

Six Monthly Progress Report

July – December 2013



International Mining for Development Centre

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The **International Mining for Development Centre** was established to promote the more sustainable use of minerals and energy resources in developing nations by assisting governments and civil society organisations through education and training, fellowships, research and advice. Our focus is three core themes—governance and regulation, community and environmental sustainability, and operational effectiveness.

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Abbreviations

AAA	Australia Award for Africa
AAPF	Australia Africa Partnership Facility
ACG	Australian Centre for Geomechanics
AMDC	Africa Minerals Development Centre
AusAID	Australian Agency for International Development (now DFAT)
AusIMM	Australian Institute of Mining and Metallurgy
BGR	Bundesanstalt für Geowissenschaften und Rohstoffe (German Federal Institute for Geosciences and Natural Resources)
CBU	Copperbelt University
CIDA	Canadian International Development Agency
CIPL	Centre for Innovation in Professional Learning
DFAT	Department of Foreign Affairs and Trade
DMP	Department of Mines and Petroleum
EITI	Extractive Industries Transparency Initiative
EMI	Energy and Minerals Institute
ETAEMR	Education and Training Agency of the Ministry of Energy and Mineral Resources, Indonesia
GASI	General Agency for Specialized Inspection, Mongolia
IM4DC	International Mining for Development Centre
ISPT	Instituto Superior Politécnico De Tete, Mozambique
KPI	Key Performance Indicator
M4D	Mining for Development
MEF	Monitoring and Evaluation Framework
MIREM	Ministério dos Recursos Minerais, Mozambique
MOU	Memorandum of Understanding
OHS	Occupational health and safety
RET	Department of Resources, Energy and Tourism (Now Department of Industry)
SIMTARS	Safety in Mines Testing and Research Station, Queensland
SMI	Sustainable Minerals Institute

TVET	Technical and Vocational Education and Training
UEM	Universidade Eduardo Mondlane, Maputo, Mozambique
IDEP	African Institute for Economic Development and Planning
UNZA	University of Zambia
UQ	The University of Queensland
UWA	The University of Western Australia

1 Overview

This Six Monthly Progress Report reviews implementation of the International Mining for Development Centre 2013-2014 Annual Plan for the period of 1 July to 31 December 2013. It reports against key performance indicators set out in the Annual Plan as well as providing other quantitative and qualitative information. It also outlines updated plans for the following six month period of the financial year.

1.1 IM4DC program strategic focus

Following a rapid launch and ramp-up in 2011-12, IM4DC has consolidated its capacity to deliver relevant training, education and research on mining for development in a range of locations and developing country operating environments. In the first six months of 2013-14, the Centre has ramped-up its delivery of courses and other activities; refined its systems; sought to build on its experience and establish a program further tailored to each developing country's needs, demand and context. The Centre has also developed a strategic framework to better support its targeting and prioritising of the Centre's strengths against development needs (Table 1) and drawing on this, implemented a comprehensive monitoring and evaluation framework. Country needs and university capability mapping has better matched delivery to needs, while refinement and expansion of IM4DC's alumni system will ensure ongoing engagement of the growing alumni cohort. Analysis and consultation has commenced to guide implementation of the strategic programming areas, improve understanding of priority countries and refine modes of capacity-building as the basis for strategic and pedagogical approaches in the 2013-14 program.

1.2 IM4DC program delivery

1.2.1 Delivery highlights

IM4DC is on track to achieve most targets against the activities articulated in the 2013-2014 Annual Plan. By the end of June 2014, IM4DC expects to meet or be ahead of most cumulative targets for the 32 month period since operations began in October 2011. During the July to December 2013 period, the Centre has:

- Delivered 10 courses and workshops in Australia for 172 participants from 30 countries
- Delivered 8 courses overseas for 255 participants from 38 countries
- Commenced preparations for a further 21 courses before July 2014
- Received reports from 4 Action Research projects and commissioned additional 12 projects due to be substantially completed by mid 2014
- Provided support for 15 Student research activities
- Engaged a Distinguished Fellow, and progressed proposals from other potential Fellowship candidates and their host institutions

- Hosted Fellowships for two senior mines inspectors from the Ghana Minerals Commission
- Engaged with education and research institutions in developing countries in a variety of modes to design and commence capacity-building partnerships
- Provided the Secretariat for the Mining for Development Advisory Committee to the Australian Government
- Implemented an online Community of Practice to extend IM4DC's alumni engagement
- Developed and implemented a Monitoring and Evaluation system.

Chapter 2 provides more detail of IM4DC activities for the six month period.

1.2.2 Program progress against Key Performance Indicators

Selected Key Performance Indicators (KPIs) for the IM4DC program were defined in the Centre's Grant Agreement. These and additional KPIs set by IM4DC were provided in the Annual Plan 2013-2014.

Table 2 sets out performance against these KPIs for the first six months of 2013-14, for the IM4DC program since inception, and projected to the end of the 2013-14 year.

The IM4DC program has achieved most targets set out in the Annual Plan 2013-2014, as demonstrated by the delivery highlights above. Appointment of Fellows has been delayed due to ongoing difficulties with recruitment, but should move close to plan in the second half of 2013-14. Advice to government assignments are also expected to increase in the second half as more requests are received from both the Australian Government and client country governments.

1.3 Management and operations

1.3.1 Personnel and contractors

The management and operations of the Centre are supported by a team comprising 12.2 EFT positions with 9.6 located in Perth and 2.6 in Brisbane. Of these, 4.6 positions are engaged in program delivery. The balance of 8.6 EFT positions is for management and administration. The core team is supplemented by casual staff and contractors engaged as required for activity delivery. The Centre is supported by the two partner universities through provision of central administrative, financial, legal, IT and HR services.

1.3.2 Financial position

As at 31 December 2013, the Centre had spent 96 per cent of the year to date budget as detailed in Chapter 3. In November 2013, the Centre had expended more than 80 per cent of the second tranche of funding under the Grant Agreement and invoiced AusAID (now DFAT) for the third tranche.

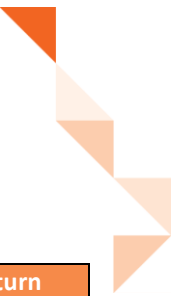
Table 1: International Mining for Development Centre Strategic Framework

Goal						
To support developing countries to transform their extractive resource endowment to inclusive and sustainable economic growth and social development						
Themes						
Governance and Regulation		Community and Environmental Sustainability			Operational Effectiveness	
Improved governance and accountability through effective and transparent regulation and management of extractive industries		Strengthened economic, social and environmental outcomes from mining in developing countries through education and training, institutional strengthening, and capacity building			Implementation of policies and processes that ensure that resources developments result in substantial, inclusive and sustainable development	
Strategic Programming Areas						
Regional and local economic and social development	Sub-national governance of the mining sector	Minerals policy, regulation and agreements	Community engagement and consultation	Health and safety of workforces and resources communities	Environmental management and regulation	
Outcome: Alignment of project economic activity with broader societal development objectives.	Outcome: Enhancement of governance capacity at local and regional levels involving multiple stakeholders.	Outcome: Development of well-designed policy and regulatory frameworks.	Outcome: Improvements in the processes used by industry and government stakeholders to engage with local communities.	Outcome: Implementation of appropriate regulatory and management approaches for occupational health and safety in the resources sector.	Outcome: Improvements in the capacity of all stakeholders to understand and manage the environmental aspects of resource projects.	
Through processes such as: regional planning and infrastructure development; local content and enterprise development; control of small-scale and artisanal mining	Focused on local accountability, understanding and monitoring of mining operations, and capacity to manage agreement negotiation and implementation processes	That establish platforms for: the management of geoscience data and exploration; the negotiation of project agreements and approvals; tax regimes and revenue management	To ensure: understanding and communication of impacts at the local level; fair and effective community agreements processes; open and transparent engagement with Indigenous communities	Including: regulatory frameworks for OHS built on modern risk management principles; community health and resource projects; operational aspects of managing and monitoring safety practices	Including: effective and inclusive environmental impact assessment processes; integration of land and water management; mined land rehabilitation practices; operational environmental management and monitoring	
Program Activities						
Education and training	Action Research	Fellowships	Advice to governments	Conference	Institutional linkages	Publications
Participants receiving training through in-country short courses and in Australia short courses and study tours	To assist with implementation and application of existing knowledge to address specific developing country issues	Current and future leaders visiting Australia for training, experience, research and collaboration, and transferring knowledge to home countries	Short reviews, advice or contributions to larger projects, to a maximum of 10 days per activity	Gather stakeholders around the performance of mining and oil and gas contribution to economic and social progress in developing countries	Capacity-building linkages with selected developing country institutions including universities and the African Minerals Development Centre	Provide target nations with practical tools and information that will assist them in facilitating development of sustainable mining industries
Target Outcome						
IM4DC alumni and partner institutions effecting change through transformational leadership in mining for development and related activities						

Table 2: Performance against Key Performance Indicators¹

	Key Performance Indicator ^a	Planned KPIs and delivery 2013-14			Delivery to date	Delivery targets and Plan KPIs 2011-12 to 2014-15 (4 years)		Comment on July to December 2013 outturn
		2013-14 Annual Plan	Delivered July to December 2013	Revised target for 2013-14	Already delivered 2011-12 + 2012-13 & to Dec 2013	Total to be delivered 2011-12 to 2014-15	Grant Agreement KPIs 2011-12 to 2014-15	
	Training – in Australia							
1.1	Number of courses	18	10	18	30	48	34	
1.2	Participant training days	3742	1287	3742	4097	8552	8270	
1.3	Total number of students Female/Male (target >20%F)	302	172 53F/119M	302	529 152F/377M	859	680	
1.4	Number of unique or repeat students	Not specified	17	Not specified	10	Not specified	Not specified	
1.5	% of participants overall satisfaction positive	80%	96%	80%	95 %	80%	80%	Feedback received for six courses undertaken in Australia in 2013-14
	Training – in country							
1.6	Number of courses*	22	8	21	23	48	34	
1.7	Participant training days	2284	909	2284	2937	6412	6850	
1.8	Total number of students Female/Male (target >20%F)	402	255 77F/178M	402	873 256F/581M	1404	1190	
1.9	Number of unique or repeat students	Not specified	24	Not specified	26	Not specified	Not specified	
1.10	% of participants overall satisfaction positive	80%	93%	80%	90%	80%	80%	Feedback received for 5 courses undertaken in-country in 2013-14
	Visiting Fellows							
2.1	Distinguished Fellows Female/Male (target >20%F)	4	1 0F/1M	4	1 0F/1M	14	24	
2.2	% of Distinguished Fellows overall satisfaction positive	80%	tbc	80%	tbc	80%	80%	
2.3	Development Fellows (target >20%F)	10	2 0F/2M	10	12 2F/10M	20	0	
2.4	% of Development Fellows overall satisfaction positive	80%	79%	80%	80%	80%	80%	Data available for only one participant
	Annual Conference							

*The separate workshops on Dialogue and EIA Processes in Latin America have been counted as one course



	Key Performance Indicator ^a	Planned KPIs and delivery 2013-14			Delivery to date	Delivery targets and Plan KPIs 2011-12 to 2014-15 (4 years)		Comment on July to December 2013 outturn
		2013-14 Annual Plan	Delivered July to December 2013	Revised target for 2013-14	Already delivered 2011-12 + 2012-13 & to Dec 2013	Total to be delivered 2011-12 to 2014-15	Grant Agreement KPIs 2011-12 to 2014-15	
3.1	Annual Conference attendance (target >30%F)	300	0	0	685 239F/446M	1285	1100	2013-14 Conference now to be held in July (ie 2014-15) Report
3.2	IM4DC supported places (target 20%F)	30	0	0	65 18F/47M	125	120	
3.3.	% of conference participants overall satisfaction positive	80%	NA	NA	86%	80%	80%	
Technical Advice								
4.1	Advice to Government (days)	25	5	25	10.5	80	120	
4.2	Timeliness / quality - % of clients rating overall satisfaction positive	80%	yes	80%		80%	80%	
Action Research / Tailored Advice								
5.1	Number of new competitive Action Research/Tailored Advice projects	10	12	16	32	tbc	44	
5.3	Student and fellowship research support	42	15	30	25	tbc	37	
5.4	% of projects that meet IM4DC quality needs	90%	yes	90%		90%	90%	
5.5	Number of publications	20			3		85	
Alumni								
6.1	Number of alumni meetings (in country)	3	0	3	2	5	6	
6.2	Alumni attending alumni meetings in-country	60	0	60	55	195	180	
6.3	Alumni attending annual conference	30	0	30	55	135	95	2013-14 Conference now to be held in July (ie 2014-15)
Institutional linkages								
7.1	Number of formal partnerships with local/regional institutions	10	0	10	1	11	0	
7.2	Activities conducted with partner institutions in developing countries	30	8	20	6	tbc	n/a	

2 Program delivery

2.1 Short course program

2.1.1 Overview

In the first six months of 2013-14, IM4DC delivered 14 courses and study tours, and also provided four one-day workshop sessions as part of programs co-ordinated by other organisations. Table 3 provides a summary. A total of eight of these were delivered in developing countries, while 10 were delivered in Australia. Course durations have ranged from four day to four week programs.

Highlights have been:

- Total of 429 participants from 51 countries, 2196 participant training days
- Sustaining overall female participation rate of 30 per cent
- Positive feedback through participant surveys, with overall positive satisfaction rate of 94%
- Identified evidence of implementation of return to work plans, and continued interaction between participants.

Courses were programmed in response to needs identified in AusAID country Scoping Studies and to specific requests from client country agencies.

Table 3: IM4DC short courses and workshops July-December 2013

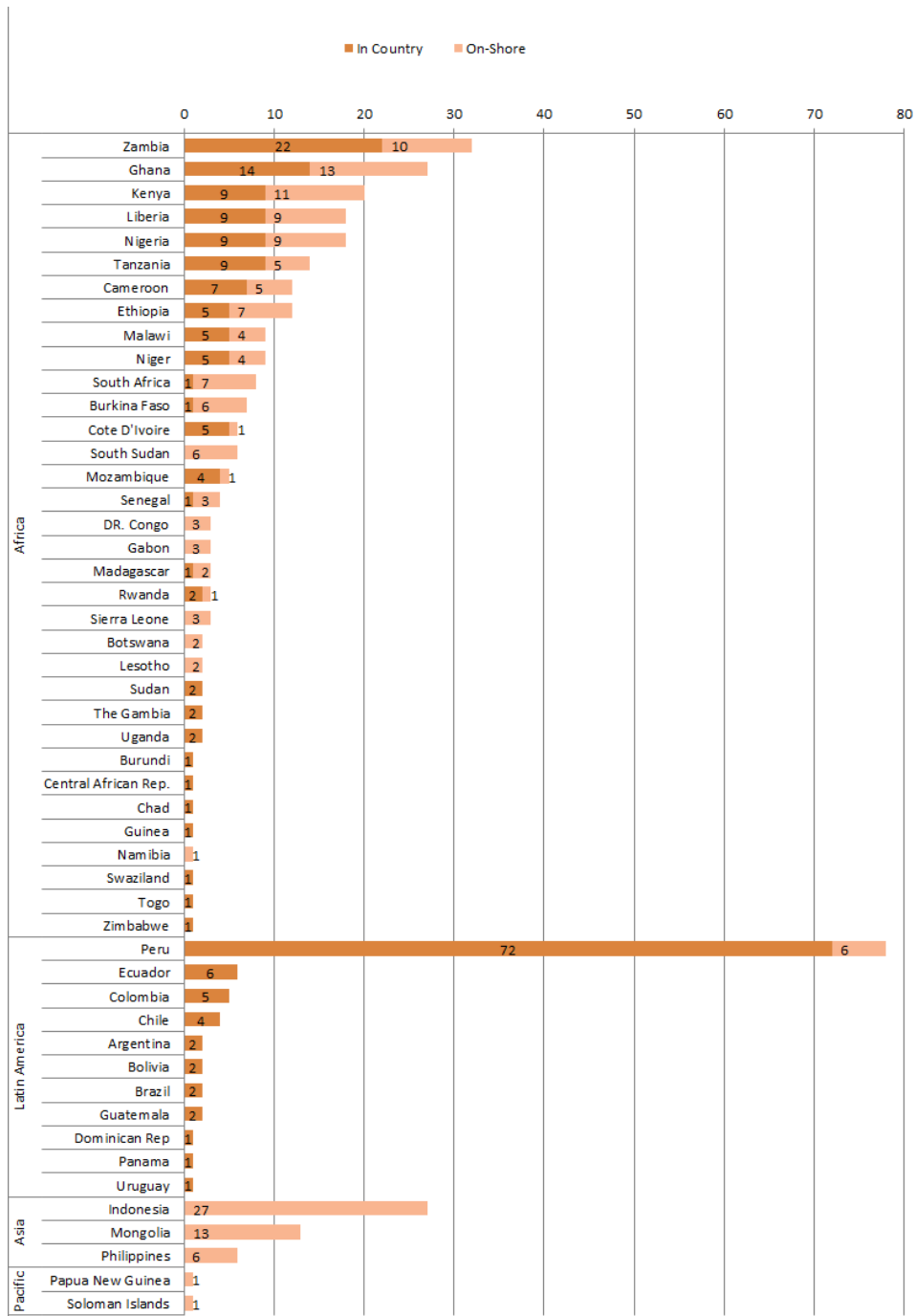
Activity	Duration (Days)	Participant number	Countries	Location	Date
Australian Flagship courses – aligned with Strategic Program areas. Generally include field trip components. All have a leadership framework and return to work planning process as part of course.					
1. Community aspects of resource developments	20	20	Global	Brisbane	July
2. Occupational health and safety leadership	20	17	Global	Perth	October
Australian other courses and workshops – responding to country program requests, and also to take advantage of opportunities to build programs around relevant conferences and study tours.					
3. African gold mining and fraud prevention workshop (with AAPF)	1	37	Africa	Perth	July
4. Agriculture and mining (with AAPF; linked to Africa Down Under week)	5	13	Africa	Perth	August
5. Water and mining (with AusIMM Conference)	15	16	Global	Brisbane	November
6. Mongolia underground mining and environmental management	9	8	Mongolia	Brisbane	November
Australian additional flexible courses/support - additional courses, workshops or study tours during the year, in particular for countries emerging as priorities.					
7. Kenyan Parliamentary Delegation	1	8	Kenya	Perth	September
8. Indonesian Coal and Minerals Policy Study Tour	4	12	Indonesia	Brisbane	October

Activity	Duration (Days)	Participant number	Countries	Location	Date
9. Indonesian Geology Study Tour	5	9	Indonesia	Perth, Kalgoorlie	October
10. Mining and Gender Study Tour	1	32	Global	Brisbane	November
In-country courses and workshops					
1. Negotiation workshop	2	17	Africa	Cameroon	July
2. Sub-national and local development of resource regions	10	20	W Africa	Ghana	August
3. GIRAF – the 3 rd Geoscience Information in Africa Workshop (with BGR / AMDC)	5	27	Africa	Ghana	September
4. IDEP Mining Negotiation Frameworks	1	25	Africa	Dakar, Senegal	September
5. Dialogue and EIA processes Workshop 1	2	51	South America	Lima, Peru	November
Workshop 2	2	54			
6. Community development (with SR Conference)	5	28	South America	Santiago	November
7. OHS incident investigation	5	13	S & E Africa	Zambia	November
8. Management of large volume waste and minesite rehabilitation	5	20	W Africa	Ghana	November

2.1.2 Participant diversity

Courses and workshops have featured participants from all priority regions: Africa, Asia and Latin America. Participants have been selected in particular from DFAT M4D priority countries, plus several other countries in Africa. Figure 1 shows the number of course participants by country.

Figure 1: Course participants by country July-December 2013



Participants have included representatives from various levels of government², academic institutions and from civil society and similar groups across the programs delivered during the reporting period. During the reporting period, the overall level of female participation was 30%.

² 53.9% of participants in the reporting period identified themselves as government, which Australian aid reports in headline results reporting on public servants trained

2.1.3 Participant feedback

Participants were surveyed at the completion of each course and two workshops using a standardised evaluation form. Feedback on four key criteria is summarised below. The scores indicate the percentages of respondents rating each criterion positively, neutrally or negatively on a five-point scale. Detailed information on participant feedback from each course is included in the Course Summaries in Appendix A.

Table 4: Summary of participant feedback at course completion

	Australia courses				In-country courses			
	+ve %	Neutral %	-ve %	No resp %	+ve %	Neutral %	-ve %	No resp %
Overall	95.5	3.8	0.7	-	92.6	4.9	1.2	1.3
Preparation	93.6	5.4	0.8	0.2	95.1	3.3	1.0	0.6
Program content and delivery	96.5	3.3	0.3	-	93.8	4.3	1.1	0.8
Workshop planning	93.8	4.7	1.5	-	86.4	9.2	2.5	2.0
Benefits	93.4	5.1	1.5	-	94.3	3.3	0.5	1.9

Participants have provided sustained positive feedback on IM4DC program. They largely recognise the program content has been relevant to their own contexts, and they have benefited from obtaining an understanding of the approaches taken by Australia in specific areas. IM4DC consistently receives feedback that a key benefit is opportunity to hear from their peers in the programs, and to share their own experiences. Increased opportunities for participants to share information and to increase the opportunities for field activity are the suggested areas for improvement.

Box 1: Samples of qualitative feedback at course completion

“I learned so much from my peers about their situation and problems regarding EITI. Also it was very helpful to learn the different tool kits, framework and acts we can use to analyse laws, CSR programs and community planning and how to monitor advances in these areas” – Peruvian participant on the Community Aspects of Resource Development (CARD) course, Brisbane, July 2013.

“I am really delighted to have learnt on the social, economic, environment and governance issues affecting the mining industry in the world with a particular emphasis on the participating countries” – Zambian participant on the Regional Development and Mining course, Ghana, August 2013.

“All sessions were interested and give me experience and new things. Class discussion and focus group discussion were very good and inspiring. ERGT [Emergency Response Training] practice good because we practice about safety and have experience to do job with safe behaviour” – Indonesian participant on the Occupational Health and Safety Leadership course, Perth, November 2013.

In addition to end of course evaluations, the Centre conducted follow-up e-mail surveys in December 2013 for courses run during the 2012-13 financial year. A total of 287 surveys were sent out, with 87 responses received – a response rate of 30 per cent. The results of this feedback are summarised in Table 5.

The follow-up surveys sent out in December 2013 complement and build on follow up surveys undertaken in January 2013 and July 2013. For the program to date, IM4DC has received 144 responses from 435 surveys (33 per cent response rate) across 19 courses. Follow up survey responses are provided in the relevant course sections of the 2011-12 and 2012-13 Alumni Reports.

Table 5: Summary of participant feedback from course alumni follow-up survey

	Not at all	To a little extent	To some extent	To a moderate extent	To a large extent	No response
Application of skills and knowledge						
To what extent are you applying the skills and knowledge you gained from the IM4DC courses?	2	1	17	34	33	0
To what extent have you shared these skills and this knowledge with others in your organisation?	0	3	24	29	30	1
To what extent have you been able to implement your return to work plan? (Only for courses with RTW component)	2	0	3	9	5	0
Alumni networks						
How much contact have you had with other course participants from your own country since the IM4DC course?	6	15	31	28	7	0
How much contact have you had with other course participants from other countries since participating in the IM4DC course?	2	32	25	7	1	0

The commentary that accompanied these responses was also positive. Respondents confirmed that they had been able to use the information gained from the courses in their own contexts, and had shared this information more widely within their organisations. All of the longer programs have engaged participants in developing individual Return to Work plans to formalise their approach to how they will use their new-found knowledge to effect changes in their own countries. Box 2 provides samples of feedback.

Box 2: Samples of qualitative feedback from follow-up survey

“Mining has now become part of our work at African Centre for Energy Policy [ACEP]. Previously we concentrated on oil but IM4DC gave the opportunity to start influencing our organization to transfer some of our energies to the mining sector. Going forward we have a programme with IBIS West Africa to do advocacy on revenue generation from the mining sector and how to link revenues to community development.”

“[Participation in IM4DC activities has] brought good changes which include: 1- Improved Inspection skills of Mining Operations; 2 - Improved risk assessment skills and now in process of formulation of risk management plan for Mining operations in Malawi; 3- Accidents prevention techniques which can be used on staff inductions of mine workers; 4- In house staff training/sharing of Risk Management skills learnt .”

“I am now handling courses in sustainable development studies at the graduate program of the university. I have integrated in the syllabus mine closure and mined land rehabilitation as important subject matter in the conservation of land and water resources. I am also a member of the research committee of the university on the area of responsible mining.”

During the period, IM4DC further developed its web-based Alumni Management system, *M4D Link*, described in more detail in 2.7 Alumni.

2.1.4 Course delivery for January – June 2014

The following tables outline plans for course delivery in the January to June 2014 period. These are substantially the same as set out in the 2013-2014 Annual Plan, with the addition of previously mooted but then unfunded courses.

Table 6: In-Australia course schedule January – June 2014

Activity	Duration	Participant number	Countries	Location	Date
Flagship courses – aligned with Strategic Program areas. Generally include field trip components. All have a leadership framework and return to work planning process as part of course.					
1. Regional and local development in resource regions	20 days	20	Global	Perth and regional WA	Feb 2014
2. Environmental management	20 days	20	Global	Brisbane	Feb
3. Mineral policy and economics (with M4D Conference)	20 days	20	Global	Perth	June/July
4. Resource governance (with M4D Conference)	20 days	20	Global	Brisbane	June/July
Other courses and workshops – responding to country program requests, and also to take advantage of opportunities to build programs around relevant conferences and study tours.					
5. Mines Inspector training	10 days	20	Global	Brisbane	April 2014
6. Indonesia mines inspectors master training	10 days	10	Indonesia (co-funding TBC)	Brisbane	June 2014
7. Indonesia Nickel Processing Study Tour	8 days	10	Indonesia (co-funding TBC)	Perth/Kalgoorlie	TBA

Activity	Duration	Participant number	Countries	Location	Date
8. Indonesia Ministry of Energy and Mines - Blasting supervision	10 days	10	Indonesia (co-funding TBC)	Brisbane	TBA
TOTAL PARTICIPANTS		130			

Table 7: Revised in-country course schedule January – June 2014

Activity	Duration	Participant number	Countries	Location	Date
Africa					
1. Indaba young leaders week (with AMDC)	10 days	20	Africa	Cape Town, South Africa	February 2014
2. Human development in mining regions	3 days	TBA	Madagascar	Madagascar	TBA
3. Revenue design and oversight	4 days	30	Africa	Johannesburg	February
4. Revenue design and oversight	4 days	30	Africa	Tanzania	May
5. Mining law (with UG, funded separately by Australian Aid)	5 days	15	Ghana	Ghana	April
6. Artisanal mining (with AMDC / AMAN/ IIEA)	3 days	30	Africa	Ghana	TBA 2014
7. Negotiation workshop	3 days	20	Africa	Cameroon	Mar 2014
Rest of the world					
8. Tailings and waste management	3 days	50	Philippines	Manila	February
9. OHS management	3 days	20	South America	Lima, Peru	March
10. OHS & geotechnical management – open cut slope stability	5 days	15	Mongolia	Mongolia	May
11. OHS Management	5 days	15	Mongolia	Mongolia	TBA
12. Sustainable mining workshop	3 days	50	Indonesia	Bandung	TBA
13. Mineral economics and resource stewardship	TBA	20	Indonesia	Bandung	TBA
TOTAL PARTICIPANTS		Min 315			

2.1.5 Coordination and collaboration with other activities

IM4DC closely coordinates with other course and study tour programs to ensure complementary course and study offerings and to minimise duplication. The other Australian Aid Mining for Development programs that IM4DC coordinated with during the period included:

- Australia Africa Partnerships Facility Study Tours
- Australia Africa Awards Short Courses
- Country-specific mining for development capacity-building activities.

Other course-related activities that IM4DC collaborated in were:

- Geoscience Resources in Africa Workshop, Accra, Ghana – with BGR (Federal Institute for Geosciences and Natural Resources), Germany
- Mineral Policy and Contract Negotiations Short Course, Dakar, Senegal – with UNIDEP.

2.2 Action research

2.2.1 Overview

The Action Research program is split into three elements: an allocation for proposals submitted by Centres and Schools across UWA and UQ on a competitive basis; discretionary funds available to be allocated to specific issues as required; and top-up funding designed to support students from developing countries focussed on mining issues to enhance and expand their research activity. Full listings of all current projects and relevant details can be found in Appendix C.

2.2.2 Competitive round research

A further competitive round was opened in August 2013, with successful applicants notified in October 2013. A particular focus of this round was the development of linkages with institutions in developing countries. Ten new projects were supported as follows:

Table 8: Supported Action Research activities

Project title	Research organisation
Mining and river ecosystem services in Peru, Ecuador and Bolivia	UQ SMI-CWiMI
Positive community engagement experiences: communities telling their stories to inform future practice	UWA School of Engineering
Best practice corporate social responsibility for mining in Africa	UWA School of Agriculture
Opportunities and challenges for local food procurement by mining companies in Southern Africa: case studies from Malawi and Mozambique	UQ SMI-CSR
Mitigating acid mine drainage in the Asam-Asam coal basin, South Kalimantan, Indonesia	UQ SMI-CMLR
Building environmental sustainability in the mining sector of the Philippines through advanced environmental monitoring, assessment and management programs	UQ SMI-CMLR
Building linkages to maximise IM4DC funding outputs in the area of health and safety	UQ SMI-MISHC, International Water Centre, UWA School of Psychology
Parliaments and mining agreements - the forgotten arm of Government	UWA School of Law
A GIS-based mineral prospectivity analysis of Central Africa	UWA-Curtin Centre for Exploration Targeting
Evaluating the attractiveness of fiscal regimes for new gold developments: African & South American peer country comparisons	UWA-Curtin Centre for Exploration Targeting

During the reporting period, four Action Research projects were completed. Action Research outputs, including those currently under review, are listed in Table 9.

Table 9: Competitive round Action Research output June – December 2013

Output	Topic	Research organisation
Final report	Sustainable Mining Development - leveraging regional mining investments for socio-economic development	UWA Centre for Social Impact
Final report	Facilitating accelerated development during IM4DC Short Courses	UWA School of Psychology
Final report	IM4DC Explorer – A Central African geodata information system - Republic of Congo, Gabon	UWA-Curtin Centre for Exploration Targeting
Final report	Developing effective mineral resource policy for sustainable livelihoods through geoscience	UQ SMI-BRC

2.2.3 Commissioned research and tailored advice

During the period, reports on two directly-commissioned research projects were received. These projects are set out in table 10.

Table 10: Commissioned Action Research output June – December 2013

Output	Topic	Research organisation
Draft report	Investigate the OHS issues associated with small scale and artisanal mining in Ghana	UQ SMI-MISHC
Final report	Scoping the potential for Enterprise Facilitation in Mongolia	UQ-SMI-CSR

2.2.4 Student and Fellows research support

During the period, IM4DC awarded top-up funding to 16 students from developing countries currently undertaking postgraduate studies relating to mining. Projects are set out in Table 11.

Table 11: Student research top-up funding June – December 2013

Project title	Student/Institution	Country
Improving Outcomes for Government-managed Resettlement in Vietnam	Mai Vo – UQ SMI-CSR	Vietnam
Photogrammetric Method of Distant Reconstruction of Displacement Fields in Deformable Solids	Ghulam Mubashar Hass – UWA School of Civil and Resource Engineering	Pakistan
Mine Planning in the Face of Economic Uncertainties	Kwasi Darkwa Ampofo – UQ SMI-BRC	Ghana
Artisanal Mining: Challenges and Opportunities for the Large-Scale Mining Industry	Isabel Buitrago-Franco – UQ SMI-CSR	Colombia
The response of wetland plants to the geochemical conditions of discharged water from nickel mining operations in eastern Indonesia	Radjali Amin – UQ SMI-CMLR	Indonesia
Controlled and monitored natural attenuation strategies for arsenic pollution	Roberto Gregorio García Fragoso – UQ SMI-CMLR	Mexico
Environmental Consequences of Airdeck Blasting in Open Pit Mining in Sudan	Abdulla – UNSW	Sudan
Mapping and Developing a Landscape Scale Ecosystem Services Metric for Promoting Sustainable Mining in SW Madagascar	Trivedi – UNSW	Madagascar
Sustainable Management Tools used in the Australian Mining Industry and applicable to an Artisanal Gold Mining Operation in the Pacific Region of Choco-Colombia	Andrea Garzon – UNSW	Colombia
Impacts of Extreme Weather Events and Climate Change on Mining Operations in Peru	Francisco Gonzalez – UNSW	Peru
Community Consultation and the New Legal Framework for Mining in Colombia	Mario Paredes – UNSW	Colombia
Compound effect of multiple potential mining projects in north west Ghana	Abdul-Wadood Mooman – Curtin University	Ghana
Non-toxic gold extraction	Benson Chanda – Curtin University	Cameroon
Feasibility of using seismic reflection surveys to discover Iron Oxide Copper Gold (IOCG) in the Gawler Craton, South Australia	Okan Evans Onojasun – Curtin University	Nigeria
Ore-body delineation using bore-hole seismic techniques for hard rock exploration	Menu Felix – Curtin University	Ghana
Joint inversion: Magnetotelluric and seismic methods	Cuong LeVan Anh – Curtin University	Vietnam

2.3 Mining for Development Conference

IM4DC will present the annual International Mining for Development Conference in July 2014 at The University of Queensland in Brisbane. Planning for this conference commenced during the reporting period.

The 2014 Conference will address mining for development challenges in the context of how best to achieve concrete, broad-based, development outcomes 'on the ground' from extractive industries. The conference will draw heavily on the experiences of practitioners from both the development and resources sectors and explore the interface between these two sectors. It will focus on four thematic areas.

- Collaborative governance for development outcomes
- Protecting and enhancing community health
- Creating pathways for human capital development
- Growing the economic base.

The Conference will consider these four key themes through a combination of keynote presentations, case studies and interactive panel discussion sessions. The program will also highlight cross-cutting issues of leadership and gender in each theme.

2.4 Fellowship program

2.4.1 Distinguished Fellow

During the period, IM4DC funded a Distinguished Fellow, Dr Wane Ousmane, Head of the Department of Geology, University of Sciences, Technical and Technology of Bamako in Mali. He undertook research with the Centre for Exploration Targeting at UWA and Curtin University with a focus on:

- Enhancing research and training links between the Universities
- Improving current approaches to understand and analyse mineral systems in Mali
- Input into the development of a new Masters program at his University.

2.4.2 Development Fellowships

In July and August 2013, IM4DC hosted two Senior Mines Inspectors from the Mines Inspectorate Division of Minerals Commission in Ghana. The program was of six weeks' duration and involved workshops and placements with State Government Mines departments and training institutions, site visits and workshops at tertiary education institutions. This was the second cohort of Senior Mines Inspectors to be hosted as Development Fellows. The first group of two was hosted in May and June 2013.

2.4.3 Future fellowships

The Fellowship program is an area of the IM4DC program that has been underutilised. In early 2013, IM4DC adjusted guidelines and provided more flexibility for appointments. A number of opportunities for appointment of Fellows are being explored by IM4DC and partner university schools and centres.

This should result in a number of additional Fellows being appointed in 2014. Three applications are currently in train, with one waiting for a visa.

2.5 Publications

IM4DC progressed development of publications during the period, with several slated for issue in the first quarter of 2014.

Table 12: Publications being developed for release Q1 2014

Activity	Authors
Australian Practice Guide to Management of Small Mines	Ms Andrea Shaw
Australian Practice Guide to Management and Use of Public Geological Information	Prof Margaretha Scott
Infrastructure Practice Guide (with World Bank)	Dr Jim Limerick Ian Satchwell
Mining and Agriculture – a summary of the Crawford Fund Conference	Ms Andrea Shaw

The outputs of the Action Research program (section 2.2) included a conference paper from Dr Kathryn Sturman: *The other side of the river: conflict risks associated with mining in Mozambique*.

2.6 Advice to governments

2.6.1 Government advisory services

The Advice to Government activity provides rapid-delivery advice of up to five days per assignment to Australian and priority country governments on policy, legislation, systems and technical matters.

Only a small number of advice requests were received during the period. IM4DC provided advice under this activity to DFAT and the Government of Kenya.

2.6.2 Mining for Development Advisory Committee

IM4DC provides the secretariat for the Mining for Development Advisory Committee to AusAID/DFAT and provides support to the Chairman and DFAT. While planning for a meeting occurred, due to the election and change of government no meetings of the Committee were held during the reporting period.

2.7 Alumni

IM4DC's alumni program assists participants in IM4DC activities to implement their learning in their regional contexts, and to develop a community of practice where participants assist each other in addressing issues of extractive resource governance. The successful ongoing engagement of alumni and development of a global 'community of practice' are critical success factors for IM4DC and the Mining for Development initiative.

The Centre has some 1200 alumni as at the end of 2013-14. IM4DC staff have had informal meetings with groups of alumni during visits to Ghana and Kenya, and has engaged alumni in follow-up surveys and interviews.

IM4DC has established a dedicated website, *M4D Link*, to facilitate ongoing interaction between individuals participating in courses between each other and with course faculty. The prototype was launched at the May 2013 Conference and *M4D Link* was further developed and refined during the reporting period. The website is being used to support the Return to Work process involved in IM4DC's course program, a key mechanism in maintaining contact with alumni and encouraging ongoing peer interactions

IM4DC has agreed in principle with DFAT for *M4D Link* to be used as a forum for all DFAT mining for development alumni. Incorporation of all DFAT M4D alumni from AAPF and AAA programs, will be a major focus for the second half of 2013-14.

A new element in the alumni program this year has been the allocation of funds to support alumni participation in other events. IM4DC has supported three such activities in late 2013:

- Gisselle Vila Benites of PUCP Peru attended a workshop on training for artisanal miners in Ecuador
- Another Peruvian alumnus, Professor Miguel Santillana, attended a VCC Seminar and workshop on infrastructure in New York
- IM4DC also supported alumnus Dr Bunda Besa of the University of Zambia School of Mines to attend the Australia Africa Universities Network Mining Workshop convened by the University of Pretoria.

Further such support is planned for the next six months.

2.8 Institutional linkages

IM4DC is facilitating collaborative linkages between Australian universities and key institutions in priority developing countries and regions, in order to strengthen the capacity of these institutions to play a key role in mining for development. There is a particular focus on co-delivery of courses with tertiary institutions, as well as the strengthening of research capacity.

In addition, IM4DC has established collaborative partnerships with policy and training institutions, notably with the Training Agency of the Indonesian Ministry of Energy and Mineral Resources and the African Minerals Development Centre.

Table 13: Institutional linkages July to December 2013

Institution and targeted linkage	Engagement in reporting period
<p>Africa Minerals Development Centre (AMDC) IM4DC has been asked to provide support to, and collaborate with the new AMDC. As the AMDC governance arrangements are finalised, IM4DC will seek to define this linkage in the context of its strategic priorities and the AMDC business plan.</p>	<ul style="list-style-type: none"> • AMDC-IMDC collaboration meeting was held for two days in October at AMDC offices in Addis Ababa. A text for a MoU was agreed at the meeting and is being reviewed by UNECA, UWA and UQ for ratification. • IM4DC worked with AMDC to select African course participants and put arrangements in place to collaborate on course presentations in 2014 • IM4DC was invited to attend the African Conference of Mines Ministers meeting in Mozambique in December. This included participation in the AMDC skills round table.
<p>University of Zambia (UNZA) Improved research capacity in relevant M4D areas, and enhanced capacity to deliver relevant postgraduate and professional development courses.</p>	<ul style="list-style-type: none"> • IM4DC sponsored Dr Buda Besa to attend the AAUN meeting at the University of Pretoria in September as an IM4DC Alumni. • Attendance of several UNZA staff at IM4DC Australia courses. • Involvement of UNZA representative in Cameroon workshop • UNZA staff involved in delivery of Incident Investigation course in Kitwe. • UNZA also attended and presented at GIRAF workshop in Accra.
<p>Copperbelt University (CBU), Zambia Improved research capacity in M4D areas; enhanced capacity to deliver postgraduate and professional development courses.</p>	<ul style="list-style-type: none"> • Attendance of several CBU staff at IM4DC Australia courses. • CBU Staff involvement in coordination of Incident Investigation course in Kitwe.
<p>University of Mines and Technology, Ghana</p>	<ul style="list-style-type: none"> • Initial scoping visit in September 2013 • Hosting of large volume waste course, including provision of case study lectures and coordination of field trip
<p>Ghana Minerals Commission</p>	<ul style="list-style-type: none"> • Continuation of Fellowship program for an additional two senior Mines Inspectors • MC Staff involved in presenting keynote session at GIRAF Workshop • Involvement of Mines Inspectors in follow-up research project scoping OHS issues in small-scale mining
<p>Mines Safety Department, Zambia Improved capacity to monitor and regulate OHS conditions in Zambian mining industry.</p>	<ul style="list-style-type: none"> • Attendance of several staff on IM4DC training courses in Australia. • Delivery of Incident Investigation training for group of new Mines Inspectors in Kitwe.
<p>Indonesia Education and Training Agency of the Ministry of Mineral Resources Improved capacity to effectively train new Mines Inspectors in the local and regional government levels.</p>	<ul style="list-style-type: none"> • Attendance of several staff on IM4DC training courses in Australia. • Hosting of Study Tour groups including ETAEMR and Ministry personnel. • Planning of full cooperation program for implementation 2013 to 2015.

Institution and targeted linkage	Engagement in reporting period
<p>Universidade Eduardo Mondlane, Mozambique (UEM) Improved capacity to deliver University programs in mining-related disciplines.</p>	<ul style="list-style-type: none"> • Involvement of UEM representative in Cameroon workshop • Involvement of UEM representative in lecturing at GIRAF workshop
<p>Mongolian University of Science and Technology Improved research capacity in relevant M4D areas, improved capacity to deliver University programs in mining-related disciplines.</p>	<ul style="list-style-type: none"> • Attendance of several staff on IM4DC training courses in Australia.
<p>General Agency for Specialized Inspection (GASI), Mongolia Increased capacity to manage social and environmental aspects of mining.</p>	<ul style="list-style-type: none"> • Attendance of several staff on IM4DC training courses in Australia. • Study Tour on Underground Mining and Environmental Management
<p>Australia Africa University Network</p>	<ul style="list-style-type: none"> • IM4DC attended the AAUN Forum on Mining and African Steering Group Meeting. Subsequently IM4DC has agreed to contribute to AAUN research on <i>Cross country comparison of labour and community enrichment in mining</i>

3 Financial analysis

3.1 Year to date income and expenditure

Table 14 shows year to date expenditure and Table 15 shows year to date income.

The financial analysis has been prepared under an accrual basis. The Centre has underspent by 4 per cent against the year to date budget as at 31 December 2013. This generally aligns with achievements against KPIs in Table 1.

The expected outturn at the end of the 2013-14 year is expected to be a surplus of some \$610,000, compared with a budgeted deficit of some \$720,000. This reflects a reduction in year to date expenditure of \$157,000 relative to budget and an increase in interest receipts of \$696,634 relative to budget.

3.2 DFAT funding tranche

In November 2013, the Centre had expended more than 80 per cent of the second tranche of funding under the Grant Agreement and invoiced AusAID (now DFAT) for the third tranche. Funds were subsequently received by UWA. It is expected that the Centre will expend 80 per cent of the third tranche of funding by end of June and invoice DFAT for the final tranche early July 2014.

Table 14: IM4DC expenditure to 31 December 2013

Expenditure Item	2013-14 Budget	Reforecast	YTD Actual	YTD Budget	Variance	Variance %	Comments
Courses	6,161,384	5,788,890	1,969,310	2,026,373	(57,063)	-3%	-
Distinguished Fellowships	288,832	266,902	72,707	110,862	(38,155)	-34%	Delay in recruiting fellows
Development Fellowships	396,528	396,528	211,343	120,648	90,695	75%	Includes expenditure from Afghanistan program (\$130K) Delay in recruiting fellows
Annual Conference	464,600	344,600	127	0	127	-	-
Advice to Australian Government	144,000	70,000	18,928	19,000	(72)	-0%	-
Action Research	1,908,904	1,906,228	489,642	709,324	(219,682)	-31%	Timing difference. Contracts in the process of being finalised.
Alumni	360,273	313,768	42,758	48,018	(5,260)	-11%	-
Publications and Guides	90,450	97,450	57,642	61,278	(3,636)	-6%	Timing difference: budget phasing.
Institutional Linkages	116,200	116,200	32,926	35,700	(2,774)	-8%	-
Core Staff (Dir and 2 x Dep Dir)	724,262	735,017	444,128	367,509	76,619	21%	Budget phasing
Board costs	31,950	31,950	2,812	7,250	(4,438)	-61%	Timing difference
Monitoring and Evaluation	109,264	109,264	36,735	30,257	6,478	21%	-
Travel	120,000	120,000	64,747	48,000	16,747	35%	Timing difference
Advisory Committee Travel and Meeting Costs	119,300	20,000	-	-	-	-	-
Independent Audit	25,000	35,000	24,000	15,000	9,000	-	Underbudgeted: now two audits Internal and one external
Other Centre Administration	1,450,209	1,526,040	669,642	695,332	(25,690)	-4%	-
TOTAL EXPENDITURE	12,511,156	11,877,837	4,137,445	4,294,550	(157,105)		

Table 15: IM4DC income to 31 December 2013

Income Item	2013-14 Budget	Reforecast	YTD Actual	YTD Budget	Variance	Variance %	Comments
2012-2013 rollover	3,639,879	3,639,879	3,639,879	3,639,879	-	-	-
Tranche of core DFAT funding	8,000,000	8,000,000	8,000,000	8,000,000	-	-	-
Estimated Interest	150,000	846,634	846,634	846,634	696634	464%	Interest income underestimated in budget
Other Income							
TOTAL INCOME	11,789,879	12,486,513	12,486,513	12,486,513	-	-	
Surplus\ (Deficit) for current year	(721,277)	608,676	8,349,068	8,191,963	(157,105)	-2%	
Net balance carried forward to next year Surplus\ (Deficit)	(721,277)	608,676					

4 Centre operations

4.1 Staff and contractors

The management and operations of the Centre have been supported with 12.2 positions (EFT basis). Of these, 9.6 positions are located in Perth and 2.6 in Brisbane. Out of total staffing, 4.6 positions undertake program delivery. Casual staff and contractors supplement the core team as needed for program delivery.

During the reporting period, IM4DC engaged the AIM-UWA Joint Venture to provide logistics support for participants in IM4DC activities. This parallels a similar arrangement existing with UQU's Uniquet for logistics support in Queensland and for UQ-originated activities.

UWA and UQ support IM4DC administration through provision of accounting, legal, IT and HR services.

4.2 Governance and reporting

Governance of the Centre is via the Management Board consisting of the Directors of SMI and EMI. During the reporting period, the Management Board met in August, October and December 2013.

The partner universities are still to establish the proposed Advisory Group to the Universities on IM4DC and related mining for development university engagement.

Regular discussions continued between the relevant AusAID/DFAT First Assistant Director General/Secretary and the IM4DC Director to support program direction and communication. Frequent communication between the IM4DC team, DFAT Mining for Development team in Canberra and DFAT country programs continued around program development, coordination and implementation.

The Centre provides activity and financial reports to both UWA and UQ, meeting the Universities' reporting and accountability requirements. This includes working with the Universities' calendar-year budgeting, and review and reporting cycle. The Centre has met these requirements, overseen by EMI.

In addition to the Six Monthly and Annual Reports provided to AusAID/DFAT by UWA, as provided for under the Grant Agreement, IM4DC provided frequent reports to AusAID/DFAT Canberra and posts.

4.3 Monitoring and evaluation

The IM4DC Monitoring and Evaluation Framework (MEF) was extensively reviewed and revised during the reporting period and is being actively utilised in the Centre's ongoing M&E activities and reporting.

In implementing the MEF, IM4DC has initiated the following during the period:

- Commissioned the Accelerated Learning Laboratory (ALL), The University of Western Australia to undertake approximately 30 semi-structured interviews with participants as the inputs to an Evaluation of Impact
- Engaged Dr Linda Kelly of Praxis Consultants to prepare and facilitate reflection workshops in Perth and Brisbane with implementers of the IM4DC education and research activities
- Compiled consolidated IM4DC Alumni Reports for 2011-12 and 2012-13
- Compiled a draft IM4DC Action Research Overview for the program life to end 2013
- Commenced early engagement with the DFAT commissioned Mid Term Review.

4.4 Operations manual and risk management

The Centre Operations Manual was reviewed, updated and supplemented during the period.

The Centre's Risk Policy and Framework is set out in the 2013-14 Annual Plan and the Risk Register is contained in the Operations Manual. The Risk Register is revised regularly and updates are reviewed by the Management Board.

4.5 Management of participant flight risk

During the reporting period, two participants in IM4DC courses failed to return to their country of origin. They were from Liberia and Ethiopia. While pastoral care arrangements were in place to support and communicate with participants at regular intervals, the nature of the programs are such that it is not possible to prevent such incidents occurring should participants make a decision to leave the program.

Procedures relating to participant selection and risk assessments around countries of origin continue to be reviewed in an effort to minimise flight risk.

4.6 Reviews

4.6.1 Rapid review of Mining for Development Initiative

IM4DC provided data input to the Rapid Review of the Mining for Development Initiative conducted in September 2013. Management Board members and management staff were also interviewed by the reviewer.

4.6.2 Mid Term Review of IM4DC

The Mid Term Review of IM4DC was commissioned by DFAT in in mid-December and will be completed by end April 2014.

5 Challenges and opportunities

This chapter identifies some key challenges and opportunities the IM4DC has identified in the reporting period that are to receive particular attention during the next six months.

5.1 Partner country and donor responses

Partner countries are universally enthusiastic about the services delivered by IM4DC and several are actively seeking to have IM4DC deliver additional courses, study tours and capacity-building activities for their personnel and institutions. In most cases, IM4DC has sought to meet requests incrementally by including personnel from requesting countries in existing course offerings. IM4DC has been able to deliver additional and tailored activities for Indonesia due to the co-funding arrangement that the Indonesian Government and IM4DC have in place under the MoU with the Education and Training Agency of the Ministry of Energy and Mineral Resources.

Donors and delivery organisations have also expressed interest in IM4DC delivering additional activities and/or hosting participants from non-priority countries on courses. In the reporting period, several collaborative activities were undertaken but no additional participants from non-priority countries were able to be accommodated.

5.2 Coordination with other mining for development activities

The Centre has continued to coordinate its activities with others under the DFAT Mining for Development Initiative, including country and regional programs. During the reporting period, the Centre has been involved in, and has advised on design studies and activity planning in Indonesia, Mongolia, the Philippines, Papua New Guinea, Liberia, Mozambique, Zambia and Ghana, as well as on sub-Saharan African activities in general. IM4DC collaborates with the Australia Africa Partnerships Facility in delivery of AAPF's mining study tours.

In addition, IM4DC has sought to coordinate its activities, and to collaborate with non-Australian donors and activity delivery organisations, including Germany's GIZ and BGR, the World Bank, UNIDEP, DFATD Canada, and the Education and Training Agency of the Ministry of Energy and Mineral Resources in Indonesia.

The new Canadian International Institute for Extractive Industries and Development, which has a similar remit to IM4DC, provides an additional opportunity for close coordination and collaboration in course planning and delivery and in other capacity-building activities.

5.3 Participant management

An ongoing challenge for IM4DC is arrangement of logistics for, and management of participants in both Australian and in-country courses. The Centre has implemented new arrangements with third party organisations during the reporting period for Perth-based and offshore, and will continue to monitor the effectiveness of arrangements in this regard.

5.4 Ongoing Alumni engagement

By the end of the grant period in June 2015, there will be more than 2000 IM4DC Alumni, in addition to some 1000 AAPF and AAA short course alumni. In addition, there are expected to be more than 80 Australian Mining Award scholarship holders. Mining for Development Alumni are current and future leaders in their home countries. The experience that the Mining for Development short course participants receive is the start of a learning journey, which IM4DC, in collaboration with the Australian Aid program, aims to continue through regular contact and facilitation of information exchange and ongoing professional development. An Alumni Coordinator is being appointed to manage ongoing liaison with Alumni.

5.5 Alignment with Government policy

It appears that IM4DC's role and activities align very well with the Government's economic diplomacy and aid for trade agenda. For many developing countries, mining, done well, offers a rapid pathway to economic growth and poverty alleviation.

As is inevitable following a change of government, however, IM4DC has experienced a period of policy uncertainty and adjustment. The Centre has maintained its program as planned while contingency planning around potential changes to thematic and geographic priorities of the Australian Government.

During the integration of the AusAID into DFAT, IM4DC maintained the delivery of its program and continued to communicate closely with AusAID/DFAT staff. Continuity of Mining for Development staffing in DFAT has facilitated the ongoing close working relationship.

5.6 Planning for transition

The IM4DC Management Board has approved a plan to manage the transition of IM4DC activities to any follow-on organisation and/or to manage closure. This includes measures to wind down IM4DC activities and staffing, sustain the Alumni network and hand-over records and systems.

A Course summaries

Gold Mining and Fraud Prevention Forum	
Course overview	IM4DC delivered a one-day workshop as part of a broader Australia-Africa Partnerships Forum (AAPF) Gold Mining and Fraud Prevention Study Tour to Australia. The study tour, which ran from 7-19 July 2013, was targeted at representatives from ministries such as Mines and Internal Affairs, finance and taxation authorities and governance and enforcement agencies involved in gold and mineral security.
Objectives	The study tour had three broad objectives: 1) to provide an overview of (a) Australia's gold mining history, and (b) the quality assurance of Australia's gold supply chain; 2) Explore the main ways gold fraud is carried out (methods and systems) and current trends in gold stealing at different levels of the process; 3) Examine Australia's system of combating gold fraud. This will include a review of anti-fraud legislation and policies as well as mechanisms put in place in order to closely monitor the security of the gold sector.
Where?	Perth, Western Australia
When?	The IM4DC workshop component of the study tour was held on 16 July 2013 (1 training day)
Who attended?	37 participants (35M/2F) from 11 countries, as follows: Burkina Faso (6), Cameroon (3), Democratic Republic of Congo (3), Ethiopia (3), Gabon (3), Ghana (3), Niger (4), Nigeria (3), Senegal (3), South Sudan (3) and Tanzania (3)
Program Lead	Ian Satchwell, Director IM4DC
Partners	AAPF
Content and delivery	Session 1 – A community development approach to Artisanal Small-scale Mining Session 2 – Government's and Industry's role in gold mining fraud prevention Session 3 – Strengthening the Policing, Security and Investigations aspects of gold mining and fraud prevention
Programming rationale	This was a synergistic opportunity to undertake an activity, at minimal cost, as part of a broader AAPF study tour. Theme: Operational Effectiveness; Strategic Programming Area: Minerals policy, regulation and agreements.
Feedback	Due to the nature of the workshop and its duration, no formal feedback was gathered solely for the purposes of this activity. Informal feedback provided by participants indicated a great deal of interest in forensic accounting/branding of gold throughout the mineral chain and how it might be implemented in developing countries.
Other outcomes	The workshop continued the strong working relationship between IM4DC and AAPF. Participants from the Democratic Republic of Congo expressed a strong desire to understand how to implement a system where gold can be tracked through the mining chain, using unique identification technologies. IM4DC will explore how further collaboration in this area might be undertaken.

Agriculture and Mining Study Tour

Course overview	The 'Mining Governance and Africa Down Under Study Tour' was coordinated by the Australia-Africa Partnerships Facility (AAPF), with support from IM4DC. In week 1, the study tour participants were split into three sub-groups with different technical focus areas. IM4DC was responsible for delivery of the 'Mining and Agriculture' sub-group. During the second week of the study tour participants attended the Africa Australia Research Forum and the Africa Down Under (ADU) Conference in Perth.																												
Objectives	The objectives of the IM4DC 'Mining and Agriculture' Study tour were: <ul style="list-style-type: none"> • Examine how agriculture and mining interact in the areas of water, land use, infrastructure, workforce, local economies and communities; • Demonstrate best practice dry land agriculture and land rehabilitation; and • Explain natural resources management, water management and land management in the context of mining and agriculture. 																												
Where?	Perth, Esperance & Ravensthorpe																												
When?	August 20th – August 23rd 2013; 27 August 2013 (5 training days)																												
Who attended?	13 participants (3M/10F) from the following countries: Botswana (2), Lesotho (2), Sierra Leone (3), South Africa (4) and Tanzania (2) Government – 13																												
Program Lead	Bridey Kerwick, AAPF																												
Partners	AAPF, AgWest																												
Content and delivery	The IM4DC component of the study tour consisted of 1 day of lectures and presentations, a 3 day field trip, and 1 day research forum. Day 1 – UWA UniClub; Presentations on Mine Rehabilitation, Alkaloam, Ravensthorpe case study, Mining and agriculture: opportunities for Africa & Mining and Agriculture An historical perspective from Western Australia Days 2-4- Field Trip and meetings with Goldfields Esperance Development Commission, Esperance Chamber of Commerce, Department of Agriculture and Food Western Australia – Esperance Downs Research Station & Shire of Esperance; Esperance Ports Sea and Lands, Shire of Ravensthorpe, Ravensthorpe Agricultural Initiative Network (RAIN); Farm visit Day 5 – IM4DC sponsored - Africa Australia Research Forum - "Mining, Agriculture and Development: Bread from Stones"																												
Programming rationale	Subnational governance of the mining sector; minerals policy, regulation and agreements																												
Feedback	A formal M&E form was used to gather participant feedback. The following responses were received from the participants. See evaluation section for analysis (Full details can be found in the appendices) <div> <table border="1"> <caption>Feedback Responses</caption> <thead> <tr> <th>Objective</th> <th>Strongly Agree</th> <th>Agree</th> <th>Neutral</th> <th>Disagree</th> <th>Strongly Disagree</th> <th>No Response</th> </tr> </thead> <tbody> <tr> <td>Did the Study Tour examine how agriculture and mining interact in the areas of water, land use, infrastructure, workforce, local economies and communities</td> <td>70%</td> <td>20%</td> <td>10%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>Did the Study Tour demonstrate best practice dry land agriculture and land rehabilitation</td> <td>65%</td> <td>25%</td> <td>10%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>Did the Study Tour explain natural resources management, water management and land management in the context of mining and agriculture</td> <td>65%</td> <td>25%</td> <td>10%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> </tbody> </table> </div>	Objective	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	No Response	Did the Study Tour examine how agriculture and mining interact in the areas of water, land use, infrastructure, workforce, local economies and communities	70%	20%	10%	0%	0%	0%	Did the Study Tour demonstrate best practice dry land agriculture and land rehabilitation	65%	25%	10%	0%	0%	0%	Did the Study Tour explain natural resources management, water management and land management in the context of mining and agriculture	65%	25%	10%	0%	0%	0%
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Other outcomes	The participants indicated that the IM4DC organised sub-group tour articulated very well into the broader AAPF study tour elements, including covered during the AARF & The Crawford Fund's events together and also better relate them to their home countries through the greater understanding derived from the study tour the previous week.																												

Kenyan Parliamentary Delegation	
Course overview	The Kenyan Departmental Committee on Environment and Natural Resources from the Kenyan National Assembly visited Australia in September 2013 to study the Australian Mining Sector. IM4DC programmed a one-day workshop to provide details of Australian mining history and context, linkages with development and IM4DC's activities in Kenya, Africa and globally.
Objectives	To deliver a one-day workshop on Australian mining history and context, linkages with development and IM4DC's activities in Kenya, Africa and globally.
Where?	Perth, Western Australia
When?	20 September 2013 (1 training day)
Who attended?	8 participants (7M, 1F) from Kenya; 7 members of Parliament and a senior research officer.
Program Lead	Ian Satchwell, Director IM4DC
Partners	
Content and delivery	Australian and Western Australian mining history; current mining context in Western Australia, Australia, Regionally and Globally; Mining and Development; Mining Regulation; social responsibility and mining; Governance issues in developing regions; Presenters: Dr Sarah Prout, University of Western Australia; John Southalan, Lawyer; Richard Slattery, IM4DC
Programming rationale	This was an opportunity to undertake a workshop as part of the Kenyan Development Committee's broader program. The Department Committee spent a number of days in Perth and visited a number of mine sites and the Parliament of Western Australia. The relevant strategic programming area was 3) Minerals policy, regulation and agreements.
Feedback	Due to the nature of the workshop and its duration, no formal feedback was gathered as part of this workshop. Informal feedback received indicated that participants were appreciative of the extent of expertise across a range of mining and development issues.
Other outcomes	The workshop built on linkages between IM4DC and the Government of Kenya. Ian Satchwell travelled to Kenya to participate in the IMF Conference on Kenya's Macroeconomic Prospects and Challenges in Nairobi from 17 to 18 September and then to attend various meetings with Government of Kenya personnel. Ian gave a presentation on the topic "The Case for Socially Responsible Mining: Lessons from Australia" at the Conference. His program also included meeting with the Cabinet Secretary for Mining, Hon. Najib Balala, and hosting a mining breakfast for Australian alumni and opinion leaders in business.

Indonesian Geology Study Tour																																				
Course overview	A study tour for representatives of the Indonesian Education and Training Centre for Geology and Education and Training Centre for Minerals and Coal to highlight Australian activities in these areas.																																			
Objectives	To provide an overview of Australian (particularly Western Australian) approaches to training and education of geologists and mining professionals. Aspects include curriculum design, articulated learning pathways, pedagogical approaches. Secondary objectives included the discussion of potential collaborative activities between IM4DC, partner institutions and the Education and Training Centre for Minerals and Coal and development of a plan for future engagement.																																			
Where?	Perth and Kalgoorlie																																			
When?	21-25 October 2013; (4 training days)																																			
Who attended?	9 participants (7M/2F) from the Education and Training Agency of the Indonesian Ministry of Energy and Mineral Resources: 4 representatives from the Education and Training Centre for Geology; 3 from the Education and Training Centre for Minerals and Coal and 2 staff from external relations and general affairs. Heads of both training centres were in attendance.																																			
Program Lead	Ian Satchwell, Director, IM4DC																																			
Partners	N/A																																			
Content and delivery	Australian mining history and context; workforce planning; training and education options and pathways; applied research for Geologists; training and research examples; Kalgoorlie field trip with site visits to Goldfields Institute of Technology, WA School of Mines, WA Mining Museum and KCGM Superpit.																																			
Programming rationale	Theme: Operational Effectiveness; Strategic Programming Areas: Minerals policy, regulation and agreements and Sub-national governance of the mining sector																																			
Feedback	<p>A formal M&E form was used to gather participant feedback. The following responses were received from the participants. Unfortunately, due to time constraints the survey was only issued after participants had returned home. As a result, only 3 responses (from 9 participants) were received. See evaluation section for analysis (Full details can be found in the appendices)</p> <table border="1"> <caption>Feedback Data</caption> <thead> <tr> <th>Statement</th> <th>Strongly Agree</th> <th>Agree</th> <th>Neutral</th> <th>Disagree</th> <th>Strongly Disagree</th> <th>No Response</th> </tr> </thead> <tbody> <tr> <td>The study tour increased my knowledge of Australian education and training practices in geology and minerals</td> <td>100%</td> <td>0%</td> <td>0%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>The study tour will lead to changes in education and training practices in geology and minerals in Indonesian training centers</td> <td>33%</td> <td>67%</td> <td>0%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>As a result of the study tour, I will take different approaches to my own work in education and training</td> <td>100%</td> <td>0%</td> <td>0%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>The study tour will lead to greater collaboration in education and training between Indonesia and Australia</td> <td>67%</td> <td>33%</td> <td>0%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> </tbody> </table>	Statement	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	No Response	The study tour increased my knowledge of Australian education and training practices in geology and minerals	100%	0%	0%	0%	0%	0%	The study tour will lead to changes in education and training practices in geology and minerals in Indonesian training centers	33%	67%	0%	0%	0%	0%	As a result of the study tour, I will take different approaches to my own work in education and training	100%	0%	0%	0%	0%	0%	The study tour will lead to greater collaboration in education and training between Indonesia and Australia	67%	33%	0%	0%	0%	0%
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Other outcomes	A planning session for collaborative activities between IM4DC and the Education and Training Centres was undertaken and provided a range of positive outcomes that will inform future activities and will help to ensure that activities align with needs and capabilities.																																			

Occupational Health and Safety Leadership Course

Course overview	The OHS Management short course provides an overview of the nature and management of occupational health and safety in the resources sector, particularly within the Australian mining context.																																			
Objectives	The objectives of the course were threefold: (1) to provide participants with greater technical understanding of safety practices relevant to mining; (2) to provide personal development opportunities to maximise learning and proactivity; and (3) to provide safety leadership development and insights into change management.																																			
Where?	Classroom activities were undertaken at the Accelerated Learning Laboratory (ALL) at the University of Western Australia. There were a number of day trips to facilities in the Perth Metropolitan Area and a 4 day field trip to Kalgoorlie, Western Australia.																																			
When?	Monday 28 October to Friday 22 November 2013, 20 Participant Training days.																																			
Who attended?	A total of 17 participants from 11 countries, as follows: Cote d'Ivoire (1), Ethiopia (1), Indonesia (4), Liberia (1), Malawi (1), Mongolia (1), Nigeria (2), Peru (2), Philippines (2), Rwanda (1), Zambia (1). There were 12 male participants and 5 female participants.																																			
Program Lead	Assistant Professor Karina Jorritsma, Accelerated Learning Laboratory (ALL), University of Western Australia																																			
Partners	N/A																																			
Content and delivery	<ul style="list-style-type: none"> The History of mining in an Australian context Occupational Health and Safety analysis tools, such as: accident causation; root cause analysis; Strength-Weakness-Opportunity-Threat (SWOT) analysis; job hazard analysis; hazard identification; behaviour-based safety and error taxonomies Personal development, goal setting, influencing and proactivity; maximising learning outcomes; Australian and International industry standards Safety leadership and culture Change management Job design and work stress Content and activities concerning the Return to Work Projects 																																			
Programming rationale	5) Health and Safety of resources communities and workforces																																			
Feedback	<p><i>A formal M&E form was used to gather participant feedback, with the following responses:</i></p> <p> ■ Strongly Agree ■ Agree ■ Neutral ■ Disagree ■ Strongly Disagree ■ No Response </p> <table border="1"> <caption>Feedback Data (Estimated from Chart)</caption> <thead> <tr> <th>Statement</th> <th>Strongly Agree</th> <th>Agree</th> <th>Neutral</th> <th>Disagree</th> <th>Strongly Disagree</th> <th>No Response</th> </tr> </thead> <tbody> <tr> <td>The program increased my ability to understand principles of occupational health and safety in the Australian context</td> <td>80%</td> <td>15%</td> <td>5%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>The program increased my ability to understand the broad legal context for safety, regulatory environments and relevant frameworks</td> <td>70%</td> <td>25%</td> <td>5%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>The program increased my ability to understand the role of leadership in process safety and managing safety</td> <td>85%</td> <td>15%</td> <td>0%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>The program increased my ability to understand the nature and development of safety culture</td> <td>85%</td> <td>15%</td> <td>0%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> </tbody> </table>	Statement	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	No Response	The program increased my ability to understand principles of occupational health and safety in the Australian context	80%	15%	5%	0%	0%	0%	The program increased my ability to understand the broad legal context for safety, regulatory environments and relevant frameworks	70%	25%	5%	0%	0%	0%	The program increased my ability to understand the role of leadership in process safety and managing safety	85%	15%	0%	0%	0%	0%	The program increased my ability to understand the nature and development of safety culture	85%	15%	0%	0%	0%	0%
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Mining Negotiation Roundtable – Cameroon	
Course overview	IM4DC, in conjunction with the Cameroon Government, hosted a Negotiation Program Roundtable. Local and regional consultants, government, university and institutional representatives attended from a range of countries and institutions to share their experiences and expertise.
Objectives	The Negotiation Program Roundtable was convened to discuss and develop a negotiation handbook and training manual to strengthen the capacity of African governments to negotiate extractive industry contracts.
Where?	Yaounde, Cameroon (4), Ghana (3) Liberia (2),
When?	3 – 4 July 2013 (2 Training Days)
Who attended?	17 participants (16M, 1F) from a range of private, academic and government institutions, across 7 African countries as follows: Cameroon (4), Ghana (3), Liberia (2), Malawi (2), Mozambique (3), Niger (1) and Zambia (2).
Program Lead	Jill Howieson, UWA
Partners	Cameroon Government.
Content and delivery	<p>The participants recognised the need for a co-ordinated approach to capacity building initiatives in resources negotiation and agreed to:</p> <ul style="list-style-type: none"> • develop and design a Negotiation Handbook which would include a roadmap of the mining negotiation process and what is required to negotiate well at each stage • develop and design a Negotiation Training Manual which would include a negotiation training curriculum and courseware • establish the African Resources Negotiation Network
Programming rationale	<p>In December 2012, Jill Howieson (UWA) and Leanne Howie (USyd) undertook a scoping mission to Africa to investigate the main issues and options that AusAID should address in the design and implementation of a Negotiation Program in, and for, Africa. In January 2013, Andrew Edge (AusAID) and Jill Howieson attended the Humboldt-Viadrina -VCC steering committee meeting in Berlin, which focussed on extractive industries negotiation support for African governments.</p> <p>The roundtable emerged from discussions between Fabien NKOT, University of Yaounde II and Office of the Prime Minister, Cameroon, IM4DC and UWA at the M4D 2013 Conference. Dr Jill Howieson's presentation at the conference was of particular relevance to the Government of Cameroon and subsequent discussions highlighted the need for assistance in this area. The Government of Cameroon partly funded aspects of the roundtable and provided in-kind support for its delivery.</p> <p>Strategic Programming Area: 3) Minerals policy, regulation and agreements</p>
Feedback	Due to the nature of the activity, no formal feedback was undertaken.
Other outcomes	<p>The Roundtable was the first instance of collaboration between the Government of Cameroon, IM4DC and UWA. The area of negotiation frameworks has received a great deal of interest and partner countries have identified it as an area where expertise and assistance is required. Subsequent activities have included the delivery of a Mining Negotiation Frameworks module at an African Institute for Economic Development and Planning (IDEP) 'Mineral Policy and Contract Negotiations' short course, held in Dakar, Senegal, in September 2013, and a Roundtable follow-up held in Cameroon in January 2014.</p>

Regional Development and Mining Course

Course overview	A two-week training course focused on how developing areas can enhance the economic and social benefits from mining. The course targeted government, private sector, academia and civil society participants and gave explicit consideration to regional investment; employment generation; enterprise development; local firm integration into resource projects; infrastructure and service development; landholder management; and regional governance																																																	
Objectives	To provide participants with a thorough grounding in the theory and practice of development planning and management practices in the mining sector within a range of international and national contexts.																																																	
Where?	GIMPA Executive Conference Centre, Accra, Ghana, West Africa																																																	
When?	August 5-16, 2013 (10 participant training days)																																																	
Who attended?	20 participants (13M, 7F) from the following African nations: Ghana (4), Kenya (6), Liberia (2), Nigeria (3), Tanzania (1) and Zambia (4). There were 12 Government representatives, 6 from the Academia and 2 NGO representatives. (See Appendix 1 for details of the participants).																																																	
Program Lead	Dr Paul Huddleston, Dr Veronica Huddleston, Dr Matthew Tonts – School of Earth and Environment, UWA (See Appendix 2A for the profiles of the UWA lecturing staff.)																																																	
Partners	Regional Extractive Industries Knowledge Hub (REIK), Ghana Institute of Management and Public Administration (in charge of course logistics and pastoral care of participants)																																																	
Content and delivery																																																		
Programming rationale	Regional and local socio-economic development																																																	
Feedback	<p>A formal M&E form was used to gather participant feedback. The following responses were received from the participants. See evaluation section for analysis (Full details can be found in the appendices).</p> <table border="1"> <caption>Feedback Response Data (Estimated from Chart)</caption> <thead> <tr> <th>Statement</th> <th>Strongly Agree</th> <th>Agree</th> <th>Neutral</th> <th>Disagree</th> <th>Strongly Disagree</th> <th>No Response</th> </tr> </thead> <tbody> <tr> <td>The program increased my capacity to make changes in my country to development practices...</td> <td>70%</td> <td>30%</td> <td>0%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>The program increased my ability to meet best practice in developing policies and/or practices...</td> <td>65%</td> <td>35%</td> <td>0%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>The program increased my ability to develop effective strategies for managing complex regional...</td> <td>70%</td> <td>30%</td> <td>0%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>The program increased my ability to deliver education and training programs related to...</td> <td>75%</td> <td>25%</td> <td>0%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>The program allowed engagement with other participants to develop cross-country collaboration...</td> <td>65%</td> <td>35%</td> <td>0%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>The program provided opportunities for continued engagement with the IM4DC.</td> <td>75%</td> <td>25%</td> <td>0%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> </tbody> </table>	Statement	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	No Response	The program increased my capacity to make changes in my country to development practices...	70%	30%	0%	0%	0%	0%	The program increased my ability to meet best practice in developing policies and/or practices...	65%	35%	0%	0%	0%	0%	The program increased my ability to develop effective strategies for managing complex regional...	70%	30%	0%	0%	0%	0%	The program increased my ability to deliver education and training programs related to...	75%	25%	0%	0%	0%	0%	The program allowed engagement with other participants to develop cross-country collaboration...	65%	35%	0%	0%	0%	0%	The program provided opportunities for continued engagement with the IM4DC.	75%	25%	0%	0%	0%	0%
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Other outcomes	<p>The exposure of, and lessons learned by, REIK Hub and GIMPA to this particular course augurs well for future IM4DC courses to be conducted in Ghana.</p> <p>The involvement of the Australian High Commissioner in the closing ceremony was also opportune not only in providing first hand exposure to the IM4DC program activities but also in terms of exposure to the facilities offered by GIMPA.</p>																																																	

IDEP Mineral Policy and Contract Negotiation Course	
Course overview	The African Institute for Economic Development and Planning (IDEP) conducted its annual Mining/Mineral Policy and Contracts Negotiation course in Dakar, Senegal, between 16 and 27 September 2013. Jill Howieson, representing IM4DC, was invited to attend to present a module on 'Perspectives on Negotiation.'
Objectives	The overarching objective of the course was to contribute to the development of a critical mass of highly skilled middle and senior policy officials and decision makers who will be suitably or better equipped to design and manage mining policy for the development of their countries, sub-regions and the continent
Where?	Dakar, Senegal
When?	24 September 2013, (1 Training day)
Who attended?	There were 25 participants (21M/4F) from the following African nations: Burkina Faso (1), Burundi (1), Cameroon (2), Central African Republic (1), Chad (1), Cote d'Ivoire (1), Ethiopia(1), Gambia(2), Guinea (1), Madagascar (1), Malawi (2), Niger (2), Nigeria (1), Rwanda (1), Senegal (1), Sudan (1), Swaziland (1), Tanzania (2), Togo (1) and Zambia (1) Participants were middle and senior ranking officials from Government departments, primarily Ministries concerning mining and minerals policy.
Program Lead	For IM4DC component, Dr Jill Howieson, UWA
Partners	African Institute for Economic Development and Planning (IDEP), Africa Mineral Development Centre (AMDC);United Nations Economic Commission for Africa (UNECA).
Content and delivery	Module 9: Perspectives on Negotiation: This module provides and introductory overview to negotiation processes. It explores the various approaches to negotiation including; strategic, structural, concession and behavioural considerations as an integral part of bargaining, conflict resolution and ensuring that the interests of all stakeholders are accommodated as much as is technically and financially feasible.
Programming rationale	The course was designed to respond to the expressed needs of African governments for a corpus of skilled mid-level and senior personnel who are adequately equipped to design, implement and evaluate policies for the operation and governance of mining activities and the promotion of national development through mining contracts agreed with private, mainly foreign companies. The module forms part of an ongoing suite of activities designed to provide assistance to African governments in the area of negotiation and contracts management. Strategic Programming Area: 3) Minerals policy, regulation and agreements
Feedback	Due to the nature of the activity, being 1 module of a much larger program, no formal IM4DC feedback was undertaken. Please see the attached report for an evaluation report completed by Dr Howieson following the delivery of the module and complementary discussions and meetings.
Other outcomes	The module builds on other activities undertaken in the area of African mineral policy and negotiation frameworks, including a scoping mission undertaken by Dr Howieson in December 2012, a Berlin negotiation summit held in January 2013, and the Yaoundé Mining Negotiation Roundtable, held in Cameroon in July 2013. Given the interest in the field, the demand for ongoing assistance and expertise, and the willingness for parties to provide financial and in-kind support, it is likely that a number of IM4DC activities will be rolled out in collaboration with its African partner institutions.

Large Volume Waste Management Course																																											
Course overview	Short course focusing on life of mine management of waste rock dumps and tailings storage facilities, including waste site rehabilitation. The course was led by Winthrop Professor Andy Fourie, School of Civil and Resource Engineering, The University of Western Australia.																																										
Objectives	To provide an understanding of design, management and monitoring principles for large volume waste facilities associated with mining operations, across the full life cycle of a mine. To provide an understanding of planning principles, design and management of rehabilitation and revegetation activities on mine sites.																																										
Where?	University of Mines and Technology (UMaT) campus, Tarkwa, Ghana																																										
When?	Monday 25- Friday 29 November 2013 – 5 Participant training days																																										
Who attended?	20 participants (18M/2F) comprised primarily of State and Federal Government employees in the field of environmental management and mining, and 5 UMaT lecturers. Participants were from: Cote d'Ivoire (1), Ghana (6), Liberia (4), Malawi (1), Niger (2), Nigeria (5) and Rwanda (1).																																										
Program Lead	Winthrop Professor Andy Fourie (School of Civil and Resource Engineering, UWA); Dr Longbin Huang (Centre for Mined Land Rehabilitation (CMLR), SMI, UQ).																																										
Partners	Dr Elias K. Asiam – University of Mines and Technology (UMaT), Tarkwa, Ghana																																										
Content and delivery	2 and a half days of Large Volume Waste Management lectures, discussions and group material, led by Prof. Fourie 2 days of mined-land rehabilitation and revegetation lectures, discussions and group activities, led by Dr Huang 2 guest presentations by UMaT Professors Elias Asiam, and Samuel A. Ndur Field trip to Goldfields Tarkwa Mine																																										
Programming rationale	Strategic programming areas: Primary: environmental regulation and management; Secondary: health and safety of resources communities and workforces; community engagement and consultation; regional and local socio-economic development. The program has been developed because there is need for improving and strengthening mine environmental management and positive mine closure outcomes in African countries where mineral resource exploration is an important part of national economic activities.																																										
Feedback	<p>A formal M&E form was used to gather participant feedback. The following responses were received from the participants. See evaluation section for analysis (Full details can be found in the appendices)</p> <table border="1"> <caption>Participant Feedback Data (Estimated from Chart)</caption> <thead> <tr> <th>Statement</th> <th>Strongly Agree</th> <th>Agree</th> <th>Neutral</th> <th>Disagree</th> <th>Strongly Disagree</th> <th>No Response</th> </tr> </thead> <tbody> <tr> <td>Increased my ability to meet best practice in mine closure.</td> <td>65%</td> <td>30%</td> <td>5%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>Increased my ability to design, develop and identify regulatory frameworks for mine closure</td> <td>50%</td> <td>45%</td> <td>5%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>Increased my ability to develop effective systems for managing knowledge related to mine closure.</td> <td>55%</td> <td>40%</td> <td>5%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>Increased my ability to support education and training</td> <td>45%</td> <td>35%</td> <td>15%</td> <td>5%</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>Allowed engagement with other participants to develop cross-country collaboration networks.</td> <td>55%</td> <td>35%</td> <td>10%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> </tbody> </table>	Statement	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	No Response	Increased my ability to meet best practice in mine closure.	65%	30%	5%	0%	0%	0%	Increased my ability to design, develop and identify regulatory frameworks for mine closure	50%	45%	5%	0%	0%	0%	Increased my ability to develop effective systems for managing knowledge related to mine closure.	55%	40%	5%	0%	0%	0%	Increased my ability to support education and training	45%	35%	15%	5%	0%	0%	Allowed engagement with other participants to develop cross-country collaboration networks.	55%	35%	10%	0%	0%	0%
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Other outcomes	The workshop was the first opportunity for collaboration with the University of Mines and Technology (UMaT). The workshop was a success and the conference facilities were appropriate for the delivery of IM4DC activities. The ability to combine classroom activities with a mine site field trip component is a particular advantage; however, there are logistical challenges with regional course locations.																																										

Community Aspects of Resource Development Course

Course overview	Four week in Australia flagship course addressing community engagement and development issues associated with mineral operations.																																										
Objectives	To equip participants to better deal with complex corporate community relations issues by developing knowledge and skills to identify and analyse, and formulate appropriate responses to these issues.																																										
Where?	Brisbane, including day excursions to nearby locations and a one week field trip to Central Queensland.																																										
When?	July 8 - August 2 2013 (20 training days).																																										
Who attended?	A very diverse group. 20 participants: 14 men and 6 women from government, academia and civil society and NGOs. A range of ages and levels of seniority from mature senior academics and administrators to younger academics and activists. 5 from Ghana, 5 from Liberia, 3 from Zambia, 1 each from Nigeria, Solomon, PNG, Indonesia, Philippines and Mozambique.																																										
Program Lead	Lynda Lawson, SMI - Centre for Social Responsibility in Mining																																										
Partners	Uniquist																																										
Content and delivery	The themes explored ranged from the global context of mining, development issues, policy, multi-stakeholder collaborations and governance to specific issues such as local content and employment, gender impacts, resettlement and community engagement. Filed trips, visits and reflective activities were integrated into the program as is the development and writing of the participants' return to work plan. An online community of practice for participants was launched to provide participants with opportunities for continuing to collaborate after the completion of course.																																										
Programming rationale	The program addressed the two strategic programming areas of Local Socio-Economic Development and Community Engagement and Consultation. The program need was identified during the IM4DC planning process and is aligned with its strategic programming areas.																																										
Feedback	<p>A formal M&E form was used to gather participant feedback. The following responses were received from the participants. See evaluation section for analysis (Full details can be found in the appendices)</p> <p> ■ Strongly agree ■ Agree ■ Neutral ■ Disagree ■ Strongly disagree </p> <table border="1"> <caption>Feedback Data (Estimated from Chart)</caption> <thead> <tr> <th>Topic</th> <th>Strongly agree</th> <th>Agree</th> <th>Neutral</th> <th>Disagree</th> <th>Strongly disagree</th> </tr> </thead> <tbody> <tr> <td>Opportunities for continued engagement</td> <td>85%</td> <td>15%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>Allowed engagement with other participants</td> <td>70%</td> <td>30%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>Deliver education and training</td> <td>65%</td> <td>35%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>Managing complex issues</td> <td>65%</td> <td>30%</td> <td>5%</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>Develop multi-stakeholder policy</td> <td>75%</td> <td>25%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>Best practice in relating to CD</td> <td>90%</td> <td>10%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> </tbody> </table>	Topic	Strongly agree	Agree	Neutral	Disagree	Strongly disagree	Opportunities for continued engagement	85%	15%	0%	0%	0%	Allowed engagement with other participants	70%	30%	0%	0%	0%	Deliver education and training	65%	35%	0%	0%	0%	Managing complex issues	65%	30%	5%	0%	0%	Develop multi-stakeholder policy	75%	25%	0%	0%	0%	Best practice in relating to CD	90%	10%	0%	0%	0%
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Other outcomes	An outstanding feature of this particular course was its diversity and the way participants engaged with each other and shared ideas. Examples include a project to compare ASM gold mining in Ghana and Peru and connections between CSR work with Liberia.																																										

Mongolian Government Large Scale Underground Mining Study Tour

Course overview	A Study Tour that included a four day field trip to North Queensland as well as presentations on environmental and OHS issues, and trends relevant to the Mongolian context.																								
Objectives	<ul style="list-style-type: none"> To outline the key environmental and occupational health and safety issues in the Australian minerals industry; To explain how these issues are managed through regulatory frameworks and the Australian inspectorates; and To help increase participants' abilities for managing these issues within the Mongolian context. 																								
Where?	Brisbane and North Queensland (Charters Towers and Townsville)																								
When?	The Study Tour was held from Tuesday 5th November to Friday 15th November 2013.																								
Who attended?	A group of 8 participants (7 M, 1F) from Mongolia's GASI attended.																								
Program Lead	Robin Evans, IM4DC, Bruce Barrie for field activity, JKTech.																								
Partners	CMLR, Simtars, MISHC, JKTech, Glencore Xstrata, Sun Metals Corporation, Charters Towers Regional Council, Resolute Mining Ltd, Citigold Corporation Ltd, DNRM, and CSRM.																								
Content and delivery	The topics addressed in the classroom sessions included regulatory approaches to managing environmental impacts and regulation of operations, and latest developments in OHS management. The field trip was designed to cover a range of environmental and social aspects associated with underground and open cut mining. Presentations were delivered in English with sequential translation, also allowing time for question and answer sessions in each block.																								
Programming rationale	The program addressed the two strategic programming areas of Environmental Management and Occupational Health and Safety. The program was structured around the needs identified by GASI in the months preceding the trip.																								
Feedback	<p>A formal M&E form was used to gather participant feedback. The following responses were received from the participants. See evaluation section for analysis (Full details can be found in the appendices)</p> <p style="text-align: center;"> ■ Strongly agree ■ Agree ■ Neutral ■ Disagree ■ Strongly disagree </p> <table border="1" style="margin-left: auto; margin-right: auto;"> <caption>Feedback Data</caption> <thead> <tr> <th>Topic</th> <th>Strongly agree</th> <th>Agree</th> <th>Neutral</th> <th>Disagree</th> <th>Strongly disagree</th> </tr> </thead> <tbody> <tr> <td>Outlined environmental and occupational health and safety issues in the Australian minerals industry</td> <td>75%</td> <td>25%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>Explained how the issues are managed through regulatory frameworks and the Australian inspectorates</td> <td>85%</td> <td>15%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>Increased participants' abilities to manage the issues within Mongolian context</td> <td>85%</td> <td>15%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> </tbody> </table>	Topic	Strongly agree	Agree	Neutral	Disagree	Strongly disagree	Outlined environmental and occupational health and safety issues in the Australian minerals industry	75%	25%	0%	0%	0%	Explained how the issues are managed through regulatory frameworks and the Australian inspectorates	85%	15%	0%	0%	0%	Increased participants' abilities to manage the issues within Mongolian context	85%	15%	0%	0%	0%
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Other outcomes	The sessions offered the opportunity to review GASI priorities for further work in a number of areas.																								

Incident and Accident Investigation Course																																					
Course overview	An offshore course that included five days training in accident and incident investigation and analysis processes and practices for participants from Zambian Mines Safety Department.																																				
Objectives	The objective of the visit was to provide a 5 day incident investigation and analysis training program for participants to increase the capacity of the MSD to effectively investigate incidents.																																				
Where?	Kitwe, Zambia																																				
When?	The course was held from Monday 28th October to Friday 1st November 2013 (5 training days).																																				
Who attended?	13 male senior mining inspectors from Zambia attended.																																				
Program Lead	Carmel Bofinger, MISHC.																																				
Partners	Dr Bunda Besa, The University of Zambia, and Mr Myiwa Songolo, Copperbelt University																																				
Content and delivery	The content of the course was equivalent to the course MINE7042 Incident Investigation and Analysis course that is provided by MISHC as both an on-line course and an intensive short course. This course is presented as part of the Graduate Certificate in Risk Management. Program topics and structure. The course included presentations, group exercises, individual exercises, video presentations, and reference materials such as examples of good practices in the application of incident investigations and analysis processes and templates. A retired Zambian judge, Honourable Magistrate C Kambanja, also presented as a guest covering the legal aspects of court.																																				
Programming rationale	The course directly targeted an IM4DC priority country and addressed the strategic programming area of Health and safety of workforces and resources communities. The AusAID Scoping Study for Zambia and the subsequent Training Needs Analysis identified a lack of formal incident investigation and analysis training and skills in the Mines Safety Department(MSD) in Kitwe, Zambia.																																				
Feedback	<p>A formal M&E form was used to gather participant feedback. The following responses were received from the participants. See evaluation section for analysis (Full details can be found in the appendices)</p> <p> ■ Strongly agree ■ Agree ■ Neutral ■ Disagree ■ Strongly disagree </p> <table border="1"> <caption>Feedback Data (Estimated from Chart)</caption> <thead> <tr> <th>Category</th> <th>Strongly agree</th> <th>Agree</th> <th>Neutral</th> <th>Disagree</th> <th>Strongly disagree</th> </tr> </thead> <tbody> <tr> <td>Robust investigation into an incident</td> <td>100%</td> <td>0%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>Understand, discuss and determine</td> <td>60%</td> <td>40%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>Selection of most appropriate technique</td> <td>60%</td> <td>40%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>Incident investigation into a significant incident</td> <td>60%</td> <td>40%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>Write and critique</td> <td>50%</td> <td>40%</td> <td>10%</td> <td>0%</td> <td>0%</td> </tr> </tbody> </table>	Category	Strongly agree	Agree	Neutral	Disagree	Strongly disagree	Robust investigation into an incident	100%	0%	0%	0%	0%	Understand, discuss and determine	60%	40%	0%	0%	0%	Selection of most appropriate technique	60%	40%	0%	0%	0%	Incident investigation into a significant incident	60%	40%	0%	0%	0%	Write and critique	50%	40%	10%	0%	0%
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Other outcomes	The course provided opportunities to strengthen the linkages with MSD, UNZA and CBU.																																				

GIRAF Geoscience Workshop

Course overview	A two day course on Sustainable Mining held in conjunction with GIRAF 2013 - The 3rd Geoscience InfoRmation in Africa Workshop.																												
Objectives	<ul style="list-style-type: none"> To outline some of the frameworks used in the area of mining and sustainable development, including the Africa Mining Vision; To help increase participants' abilities for describing some of the critical elements of mining and sustainable development; and To allow for participants to develop a broader network of contacts relevant to their roles and interests. 																												
Where?	Accra, Ghana																												
When?	The course on Sustainable Mining and the was held on Tuesday 24th September and Wednesday 25th September 2013, complemented by 3 days of the GIRAF workshop sessions (5 training days).																												
Who attended?	IM4DC provided funding for 27 participants, 8 female and 19 male, from Cameroon (1), Ethiopia (4), Ghana (1), Cote D'Ivoire (3), Kenya (3), Liberia (1), Mozambique (1), South Africa (1), Sudan (1), Tanzania (6), Uganda (2), Zambia (2) and Zimbabwe (1). Approximately 90 people attended both events.																												
Program Lead	Ian Satchwell, Director IM4DC																												
Partners	BGR and Geological Survey of Ghana.																												
Content and delivery	The Sustainable Mining workshops covered frameworks for mining and sustainable development; the use of geoscience and management systems; small-scale mining; building human and institutional capacity. It featured keynote sessions from the CEO's of the Ghana Chamber of Mines and Ghana Minerals Commission, and also included four IM4DC alumni amongst the presenters. Each session was structured around three panel presentations and interactive Q&A.																												
Programming rationale	The program aligns most with the IM4DC Strategic Programming area covering Minerals Policy, Regulation and Agreements. The GIRAF network is coordinated by BGR, and the program offered an opportunity to partner with both BGR and the Geological Survey of Ghana. It built on previous IM4DC activity in the area of geoscience policy and management.																												
Feedback	<p>A formal M&E form was used to gather participant feedback. The following responses were received from the participants. See evaluation section for analysis (Full details can be found in the appendices)</p> <p> ■ Strongly agree ■ Agree ■ Neutral ■ Disagree ■ Strongly disagree ■ No response </p> <table border="1"> <caption>Feedback Data (Estimated from Chart)</caption> <thead> <tr> <th>Objective</th> <th>Strongly agree</th> <th>Agree</th> <th>Neutral</th> <th>Disagree</th> <th>Strongly disagree</th> <th>No response</th> </tr> </thead> <tbody> <tr> <td>Frameworks in the area of mining and sustainable development, including the Africa Mining Vision</td> <td>60%</td> <td>30%</td> <td>10%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>Describe some of the critical elements of mining and sustainable development</td> <td>40%</td> <td>50%</td> <td>10%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>Develop broader network of contacts relevant to role and interests</td> <td>60%</td> <td>30%</td> <td>10%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> </tbody> </table>	Objective	Strongly agree	Agree	Neutral	Disagree	Strongly disagree	No response	Frameworks in the area of mining and sustainable development, including the Africa Mining Vision	60%	30%	10%	0%	0%	0%	Describe some of the critical elements of mining and sustainable development	40%	50%	10%	0%	0%	0%	Develop broader network of contacts relevant to role and interests	60%	30%	10%	0%	0%	0%
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Other outcomes	The program established links with the Geological Survey of Ghana, and provided the opportunity for a number of IM4DC alumni to be involved in presentations.																												

Indonesian Coal and Minerals Policy Study Tour	
Course overview	A Study Tour that included a two day field trip to Central Queensland and operations in Gladstone as well as presentations on policy approaches to the two focus areas.
Objectives	The objective of the Study Tour was to provide exposure for a group of senior officials from the Indonesian Ministry of Energy and Mines to Australian approaches to co-ordination of pit-to-port regional planning in coal regions, and policy approaches to encourage value-adding in downstream processing.
Where?	Central Queensland and Gladstone
When?	The Study Tour was held from Tuesday 1st October to Friday 4th October 2013. (4 training days)
Who attended?	11 males and 1 female from the Indonesian Ministry of Energy and Mines attended.
Program Lead	Bruce Barrie, JKTech
Partners	Yancoal, QER, GAPDL and DSD
Content and delivery	The Study Tour included presentations from State Government on policy approaches to the two focus areas of Minerals Policy and Regional Development, a two day field visit to a coal operation in Central Queensland and operations in Gladstone, and presentations from experts in regional planning and coal processing.
Programming rationale	The Study Tour directly addressed the two strategic programming areas of Minerals Policy and Regional Development. It focussed on a key stakeholder institution, Ministry of Energy and Mines, in an IM4DC priority country, Indonesia. The key stakeholder institution expressed the desire to learn from Australia's experience in the area of local processing as it has passed a new legislation addressing the question of local processing.
Feedback	No formal M&E data was collected for this activity. The participants did make a presentation on their return within their Ministry, and also provided verbal feedback to the AusAID staff in Jakarta.
Other outcomes	The study tour provided an opportunity to engage with the mainstream Ministry more deeply, on topics of significant interest to the Indonesian government. In particular, the group was very interested in the use of State Development Areas to promote development of value-adding activities.

Linking Mining Activities to Human Development Goals Workshop																																																		
Course overview	A five day program comprising two days educational workshop followed by participation in a three day conference.																																																	
Objectives	To build capacity in capturing and analysing human development outcomes for local people impacted by resource development in professionals working for government, civil society and academic institutions.																																																	
Where?	Santiago, Chile																																																	
When?	The program was held from Monday 4th November to Friday 8th November 2013.																																																	
Who attended?	28 participants; 10 women, 18 men; 15 Peruvians, 4 each from Ecuador and Colombia, 2 each from Bolivia and Chile, 1 from Uruguay, government, NGOS, community and indigenous groups.																																																	
Program Lead	Cristian Parra, CSR - SMI, UQ																																																	
Partners	Pablo Valenzuela, Fundacion Casa de la Paz																																																	
Content and delivery	<p>Day 1:</p> <ul style="list-style-type: none"> Conceptual background for understanding the relationship between 'mining development' and 'human development' in developing countries. (Cristian Parra) Evaluating the social conditions of the most vulnerable groups: Types of indicators, multidimensional indicators and the human development approach. (Cristian Parra, Pablo Valenzuela, and Fitsum Weldegiorgis) <p>Day 2:</p> <ul style="list-style-type: none"> Analysis of Potential effects on Human Development. (Cristian Parra and Pablo Valenzuela) Presenting to communities (Lynda Lawson) Case analysis about Impact on Poverty Reduction and Human Development (Cristian Parra and Pablo Valenzuela) Presentation and analysis by groups of a Regional Development Plan. Discussion and debate. (Cristian Parra, Pablo Valenzuela, Fitsum Weldegiorgis, and Lynda Lawson) <p>Days 3-5</p> <ul style="list-style-type: none"> Attendance at SR Mining Conference 																																																	
Programming rationale	The program addressed strategic programming areas of Regional and Local Socio-economic Development, Sub-national Governance of the Mining Sector, and Community Engagement and Consultation. The program addressed the failure of many mining endeavours to meet the human development needs of the most vulnerable and fragile communities in their midst. It drew on extensive research by Cristian Parra in Latin America and many years' experience of Casa de la Paz, one of Latin America's most well reputed NGOs operating in this area.																																																	
Feedback	<p>A formal M&E form was used to gather participant feedback. The following responses were received from the participants. See evaluation section for analysis (Full details can be found in the appendices)</p> <p> ■ Strongly agree ■ Agree ■ Neutral ■ Disagree ■ Strongly disagree ■ No Response </p> <table border="1"> <caption>Feedback Data (Estimated from Chart)</caption> <thead> <tr> <th>Statement</th> <th>Strongly agree</th> <th>Agree</th> <th>Neutral</th> <th>Disagree</th> <th>Strongly disagree</th> <th>No Response</th> </tr> </thead> <tbody> <tr> <td>Meet best practice in developing policies relating to Conectar actividades mineras con metas de desarrollo...</td> <td>60%</td> <td>30%</td> <td>10%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>Develop policy that takes into account multi stakeholder groups (ommunity, government, and industry)</td> <td>50%</td> <td>40%</td> <td>10%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>Develop, manage and monitor effective strategies for Conectar actividades mineras con metas de desarrollo...</td> <td>50%</td> <td>30%</td> <td>10%</td> <td>10%</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>Get involved and collaborate with other stakeholders to identify and develop collaborative networks</td> <td>50%</td> <td>30%</td> <td>10%</td> <td>10%</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>Deliver education and training programs related to Conectar actividades mineras con metas de desarrollo...</td> <td>90%</td> <td>10%</td> <td>0%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>Opportunities for continued engagement with IM4DC</td> <td>90%</td> <td>10%</td> <td>0%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> </tbody> </table>	Statement	Strongly agree	Agree	Neutral	Disagree	Strongly disagree	No Response	Meet best practice in developing policies relating to Conectar actividades mineras con metas de desarrollo...	60%	30%	10%	0%	0%	0%	Develop policy that takes into account multi stakeholder groups (ommunity, government, and industry)	50%	40%	10%	0%	0%	0%	Develop, manage and monitor effective strategies for Conectar actividades mineras con metas de desarrollo...	50%	30%	10%	10%	0%	0%	Get involved and collaborate with other stakeholders to identify and develop collaborative networks	50%	30%	10%	10%	0%	0%	Deliver education and training programs related to Conectar actividades mineras con metas de desarrollo...	90%	10%	0%	0%	0%	0%	Opportunities for continued engagement with IM4DC	90%	10%	0%	0%	0%	0%
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Opportunities for continued engagement with IM4DC	90%	10%	0%	0%	0%	0%																																												
Other outcomes	Participants were encouraged to contribute to the IM4DC online discussion forum. There were considerable opportunities to engage with the Peruvian Government for further research in the area of social responsibility and mining with senior officials. There is a possibility for potential research in collaboration with the Director of Social Affair - Ministry of Mining and Energy of Peru.																																																	

Water in Mining Course																									
Course overview	A training and knowledge exchange event on 'Water in Mining' aimed at IM4DC priority countries, consisting of a conference, workshops and field visits.																								
Objectives	1. Illustrate examples of good practice in mine water management; 2. Identify training and research needs in IM4DC priority nations. 3. Build collaborations between Australian institutions, and government and academic institutions in IM4DC priority nations. 4. Facilitate networking for delegates with a range of Australian mine water management experts. The broad scope of the proposed event is designed to bring out the important links between mine water management and governance, environmental risks and communities as stakeholders.																								
Where?	Brisbane Sofitel Hotel; The University of Queensland, St Lucia; Central Queensland mine sites.																								
When?	25 Nov – 13 Dec 2013																								
Who attended?	16 delegates (12M, 4F) attended - 3 Peru, 4 Mongolia, 3 Zambia, 3 Philippines, 1 Indonesia, 2 Ghana, representing research and training organisations and government. A table with full details is in the appendix.																								
Program Lead	Neil McIntyre, CWiMI-SMI																								
Partners	SMI-CWiMI, SMI-CMLR, SMI-CSRM, SMI, JKTech, Uniquest, The University of Western Australia, Queensland Government's Department of Natural Resources and Mines																								
Content and delivery	Week 1: 2 days welcome and induction sessions; 3 days participation in Auslmm's Water in Mining Conference held in Brisbane. Week 2: 4 days of interactive workshops at The University of Queensland including presentations by each delegate; and 1 day of seminar attendance and networking/business meetings. 4 homework assignments. Week 3: 4 days field trips to central Queensland mine sites; field trip report; ½ day feedback and reporting session.																								
Programming rationale	The programme topics were broad within the general theme of 'Water in Mining'. This was due to lack of prior knowledge of priority training needs within the theme. This dictated the need for the aforementioned partnerships in delivering the event. The event was aimed at knowledge exchange. As well as presentations and discussion aimed at training in good practice, the delegates presented and discussed their own work challenges; and time was dedicated to networking at the Auslmm conference and in SMI. The field trips were recommended, from experience of IM4DC staff, as a valuable training component. The trips were run in the last week of the 3-week event to maximise time for organisation (although feedback indicates they would have been better in week 2). 'Homework' was included to formalise the learning aspect of the event.																								
Feedback	<p>A formal M&E form was used to gather participant feedback. The following responses were received from the participants. See evaluation section for analysis (Full details can be found in the appendices)</p> <p style="text-align: center;"> ■ Strongly agree ■ Agree ■ Neutral ■ Disagree ■ Strongly disagree </p> <table border="1"> <caption>Feedback Data (Estimated from Chart)</caption> <thead> <tr> <th>Statement</th> <th>Strongly agree</th> <th>Agree</th> <th>Neutral</th> <th>Disagree</th> <th>Strongly disagree</th> </tr> </thead> <tbody> <tr> <td>The program increased my knowledge of good practice in mine water management</td> <td>75%</td> <td>25%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>The program increased my ability to exchange knowledge about current challenges, best practice and scientific research in mine water management</td> <td>50%</td> <td>45%</td> <td>5%</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>The program allowed me to develop a broader network of contacts relevant to my role and interests</td> <td>65%</td> <td>35%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> </tbody> </table>	Statement	Strongly agree	Agree	Neutral	Disagree	Strongly disagree	The program increased my knowledge of good practice in mine water management	75%	25%	0%	0%	0%	The program increased my ability to exchange knowledge about current challenges, best practice and scientific research in mine water management	50%	45%	5%	0%	0%	The program allowed me to develop a broader network of contacts relevant to my role and interests	65%	35%	0%	0%	0%
Statement	Strongly agree	Agree	Neutral	Disagree	Strongly disagree																				
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Other outcomes	<p>The event was used to facilitate a survey of training needs related to water in mining and recommendations for delivery potentially in collaboration with IWC and UWA, which will be delivered in a separate report.</p> <p>Sheyla Bethsy Palomino Ore of Peru's Ingmet government research agency has proposed a follow-up project with SMI-CMLR; and has expressed interest in applying for a Peruvian scholarship to undertake post-graduate study in UQ.</p> <p>Patricia Calderon of the Universidad Nacional de Ingeniería, continues to express interest in doing a PhD in SMI.</p> <p>SMI-CWiMI has been asked to enter into a training agreement with Pontificia Universidad Catholica Peru.</p>																								

Dialogue and EIA Processes in Latin America Workshops	
Course overview	Two consecutive two- day workshops focussed on dialogue processes in the mining sector and their role in conflict management and prevention in Environmental Impact Study (EIS) assessment and approval processes.
Objectives	The first workshop entitled “Open dialogue on mining and sustainable development in the mining sector: building on the Latin American experience” focused on the experience of multiple Peruvian and Latin American dialogue spaces for the mining sector. The second workshop on “Political and Institutional Aspects of Environmental Impact Study Approval Processes in the Mining Sector: Conflict management and prevention” dealt with how to enhance conflict management and prevention during the EIS assessment and approval process. Both workshops invited participants to reflect and share ideas based on concrete Latin American experiences and built on the results of previous CSRM research.
Where?	Lima, Peru
When?	19-22nd November 2013
Who attended?	The two workshops attracted 51 and 54 participants each respectively, with some overlap between the two. 45 of the total 105 were female. Participants came largely from Peru and also from Chile, Argentina, Colombia, Brazil, Panama, Dominican Republic, Ecuador and Guatemala. Civil society organisations, dialogue spaces on mining and sustainable development, academia, government and industry were represented. Participation was by invitation in a process managed in conjunction with local stakeholders.
Program Lead	Diana Arbelaez-Ruiz, UQ SMI-CSRM
Partners	Societas Consultora de Análisis Social and the Grupo de Dialogo Minería y Desarrollo Sostenible of Peru
Content and delivery	The workshops featured presentations from all organisations represented, and interactive dialogue sessions.
Programming rationale	This workshop arose from an earlier IM4DC Action Research project. It aligns with the Strategic Programming Area
Feedback	A formal M&E form was used to gather participant feedback. The responses were in Spanish, and the feedback is still being translated and collated – it will be available for the final 2013/14 report.
Other outcomes	The workshops were used to support an Action research project, involving individual interviews with a number of stakeholders involved in the dialogue processes around mining in Latin American countries.

Mining and Gender Forum	
Course overview	One day forum coordinated for AAPF Study Tour, focussed on questions of Mining and Gender
Objectives	As per AAPF Outline
Where?	Brisbane – Hilton Hotel
When?	October – 1 training day
Who attended?	32 participants (21 female, 11 male) from Cameroon (2), Ethiopia (3), Ghana (3), Kenya (3), Liberia (3), Madagascar (2), Malawi (3), Namibia (1), Nigeria (3), South Africa (3), South Sudan (3), Zambia (3)
Program Lead	Facilitator – Ann Harrup, IM4DC Lead Robin Evans
Partners	AAPF
Content and delivery	Three sessions on Gender Diversity – an Industry Perspective; Mining Communities and Gender; and Stories of Change
Programming rationale	Strategic programming areas, how the program need was identified
Feedback	No formal M&E data were gathered for this event, as AAPF were separately collecting feedback on the overall Study Tour. Verbal feedback from the participants was very positive. The AAPF Lead Facilitator was extremely satisfied with the event, with the format facilitating good interaction between presenters and participants.
Other outcomes	

B Course follow-up feedback

Life of Mine - Brisbane, July 2012					
Aspect	Positive	Neutral	Negative	No Response	Total
Preparation	93.3	1.7	-	5.0	100.0
Program Content and Delivery	96.2	2.9	-	1.0	100.0
Workshop Planning	95.0	5.0	-	-	100.0
Benefits	98.7	-	-	1.3	100.0
Overall	96.0	2.3	-	1.7	100.0
Indigenous Consultation and Agreement Making (LATAM) - Brisbane, September 2012					
Aspect	Positive	Neutral	Negative	No Response	Total
Preparation	98.5	-	-	1.5	100.0
Program Content and Delivery	91.4	0.9	0.9	6.7	100.0
Workshop Planning	95.6	1.5	-	2.9	100.0
Benefits	94.1	-	-	5.9	100.0
Overall	94.5	0.6	0.3	4.5	100.0
Mine Closure - Brisbane, October 2012					
Aspect	Positive	Neutral	Negative	No Response	Total
Preparation	94.4	2.2	-	3.3	100.0
Program Content and Delivery	96.2	1.9	-	1.9	100.0
Workshop Planning	94.7	2.7	-	2.7	100.0
Benefits	93.3	5.6	-	1.1	100.0
Overall	94.7	3.1	-	2.2	100.0
CARD - Brisbane, October-November 2012					
Aspect	Positive	Neutral	Negative	No Response	Total
Preparation	97.9	2.1	-	-	100.0
Program Content and Delivery	91.1	5.4	0.9	2.7	100.0
Workshop Planning	91.3	7.5	-	1.3	100.0
Benefits	97.9	2.1	-	-	100.0
Overall	94.5	4.2	0.3	1.0	100.0
Occupational Health and Safety Management - Perth, November 2012					
Aspect	Positive	Neutral	Negative	No Response	Total
Preparation	97.1	2.9	-	-	100.0
Program Content and Delivery	96.6	3.4	-	-	100.0
Workshop Planning	92.9	5.9	1.2	-	100.0
Benefits	99.0	1.0	-	-	100.0
Overall	96.6	3.2	0.2	-	100.0

Large Volume Waste Management - Zambia, November 2012					
Aspect	Positive	Neutral	Negative	No Response	Total
Preparation	87.7	9.9	1.2	1.2	100.0
Program Content and Delivery	97.0	2.2	-	0.7	100.0
Workshop Planning	85.2	8.3	2.8	3.7	100.0
Benefits	92.6	7.4	-	-	100.0
Overall	91.2	6.5	0.9	1.4	100.0
Occupational Hygiene in Mining - Mongolia (South), October 2012					
Aspect	Positive	Neutral	Negative	No Response	Total
Preparation	81.7	10.0	8.3	-	100.0
Training Content and Delivery	96.7	3.3	-	-	100.0
Benefits	98.3	1.7	-	-	100.0
Overall	93.3	4.6	2.1	-	100.0
Occupational Hygiene in Mining - Mongolia (North), October 2012					
Aspect	Positive	Neutral	Negative	No Response	Total
Preparation	90.5	6.3	1.6	1.6	100.0
Training Content and Delivery	92.9	7.1	-	-	100.0
Benefits	98.4	1.6	-	-	100.0
Overall	93.7	5.6	0.4	0.4	100.0
Regional Development - Perth, March 2013					
Aspect	Positive	Neutral	Negative	No Response	Total
Preparation	98.1	1.9	-	-	100.0
Program Content and Delivery	97.6	2.4	-	-	100.0
Workshop Planning	94.4	2.2	3.3	-	100.0
Benefits	99.1	0.9	-	-	100.0
Overall	97.5	1.9	0.7	-	100.0

Philippines Roundtable – Philippines, April 2013					
Aspect	Positive	Neutral	Negative	No Response	Total
Preparation	94.9	5.1	-	-	100.0
Program Content and Delivery	97.0	3.0	-	-	100.0
Workshop Planning	90.9	5.5	0.6	3.0	100.0
Benefits	93.9	5.1	1.0	-	100.0
Overall	94.3	4.6	0.3	0.8	100.0
Ghana MSME Local Suppliers – Ghana, April 2013					
Aspect	Positive	Neutral	Negative	No Response	Total
Preparation	93.2	3.7	1.2	1.9	100.0
Program Content and Delivery	95.8	2.6	-	1.6	100.0
Workshop Planning	91.9	1.5	5.2	1.5	100.0
Benefits	97.5	1.9	-	0.6	100.0
Overall	94.8	2.5	1.4	1.4	100.0

Mineral Economics Masterclass - Perth, May 2013					
Aspect	Positive	Neutral	Negative	No Response	Total
Preparation	98.6	1.4	-	-	100.0
Program Content and Delivery	95.2	4.8	-	-	100.0
Workshop Planning	93.3	5.0	1.7	-	100.0
Benefits	93.1	5.6	1.4	-	100.0
Overall	95.1	4.2	0.7	-	100.0

Mining Sector Governance Masterclass - Brisbane, May 2013					
Aspect	Positive	Neutral	Negative	No Response	Total
Preparation	94.6	5.4	-	-	100.0
Program Content and Delivery	94.9	5.1	-	-	100.0
Workshop Planning	87.5	7.1	5.4	-	100.0
Benefits	96.4	3.6	-	-	100.0
Overall	93.9	5.1	1.0	-	100.0

Myanmar Study Tour - Brisbane, May 2013					
Aspect	Positive	Neutral	Negative	No Response	Total
Preparation	100.0	-	-	-	100.0
Program Content and Delivery	97.7	-	-	2.3	100.0
Workshop Planning	81.8	15.9	-	2.3	100.0
Benefits	100.0	-	-	-	100.0
Overall	94.2	4.5	-	1.3	100.0

Mongolia Infrastructure Support – Perth, June 2013					
Aspect	Positive	Neutral	Negative	No Response	Total
Preparation	-	-	-	-	-
Program Content and Delivery	100.0	-	-	-	100.0
Workshop Planning	-	-	-	-	-
Benefits	100.0	-	-	-	100.0
Overall	100.0	-	-	-	100.0

Higher Education Study Tour – Perth, Brisbane, June 2013					
Aspect	Positive	Neutral	Negative	No Response	Total
Preparation	91.3	8.7	-	-	100.0
Program Content and Delivery	96.7	3.3	-	-	100.0
Workshop Planning	95.7	2.2	2.2	-	100.0
Benefits	100.0	-	-	-	100.0
Overall	96.0	3.4	0.6	-	100.0

Zambia Risk Management – Zambia, June 2013					
Aspect	Positive	Neutral	Negative	No Response	Total
Preparation	87.5	10.4	2.1	-	100.0
Program Content and Delivery	95.3	3.1	1.6	-	100.0
Workshop Planning	71.9	17.2	6.3	4.7	100.0
Benefits	96.9	1.6	-	1.6	100.0
Overall	87.9	7.9	2.5	1.7	100.0
Laos Environmental Management – Brisbane, June 2013					
Aspect	Positive	Neutral	Negative	No Response	Total
Preparation	-	-	-	-	-
Program Content and Delivery	100.0	-	-	-	100.0
Workshop Planning	-	-	-	-	-
Benefits	100.0	-	-	-	100.0
Overall	100.0	-	-	-	100.0
Indigenous Consultation and Agreement Making (LATAM2) – Peru, June 2013					
Aspect	Positive	Neutral	Negative	No Response	Total
Preparation	94.6	1.8	3.6	-	100.0
Program Content and Delivery	90.5	-	4.8	4.8	100.0
Workshop Planning	94.6	-	1.8	3.6	100.0
Benefits	96.4	-	1.8	1.8	100.0
Overall	93.7	0.4	3.2	2.8	100.0

C Current Action Research activities

Project Title	Project contact	Institution [#]	Country focus
Staff Call December 2011			
A geoscience information model for improving the efficiency and transparency of mining approvals process in North Africa	David Pullar	UWA CET	North Africa
Staff Call November 2012			
Benchmarking the “Status of safety”: Safety risks, practices, and beliefs in eight developing countries	Mark Griffin	UWA ALL	Africa, Peru, Mongolia
Mapping gender based violence and mining infrastructure in Mongolian mining communities, a comparative analysis	Isabel Cane	UQ SMI-CSR	Mongolia
Investigating approaches to working with artisanal and small-scale miners (ASM): A review of best practice and progress reports from the field	Nina Collins	UQ SMI-CSR	Madagascar, Ethiopia, Mozambique
Mining company-community conflict analysis: case studies from Indonesia	Julia Keenan	UQ SMI-CSR	Indonesia
Participatory water monitoring in Ghana	Natasha Danoucaras	UQ SMI-CWiMI, CSR	Ghana
Staff Call August 2013			
Mining and river ecosystem services in Peru, Ecuador and Bolivia	Neil McIntyre	UQ SMI-CWiMI	Peru, Ecuador, Bolivia
Positive community engagement experiences: communities telling their stories to inform future practice	Caroline Baillie	UWA SCRE	South America
Best practice corporate social responsibility for mining in Africa	Nancy Longnecker	UWA Agriculture	Africa
Opportunities and challenges for local food procurement by mining companies in Southern Africa: case studies from Malawi and Mozambique	Kathryn Sturman	UQ SMI-CSR	Malawi, Mozambique
Mitigating acid mine drainage in the Asam-Asam coal basin, South Kalimantan, Indonesia	Mansour Edraki	UQ SMI-CMLR	Indonesia
Building environmental sustainability in the mining sector of the Philippines through advanced environmental monitoring, assessment and management programs	Trang Huynh	UQ SMI-CMLR	Philippines
Building linkages to maximise IM4DC funding outputs in the area of health and safety	Danelle Lynas, Sarah Goater	UQ SMI-MISHC, UWA IWC	General
Parliaments and mining agreements - the forgotten arm of Government	John Southalan	UWA Law	Uganda and Myanmar
A GIS-based mineral prospectivity analysis of Central Africa	Arianne Ford & John Miller	UWA CET	Central Africa
Evaluating the attractiveness of fiscal regimes for new gold developments: African & South American peer country comparisons	Allan Trench	UWA CET	Africa, South America
Student Call June 2012			
Participatory action-research to evaluate and ensure community engagement and sustainable community development – A case of Thar coalfield development, Pakistan	Muhammad Makki	UQ SJQ	Pakistan
Viability of an inclined soil cover with capillary barrier effect in a high-rainfall environment	Christopher Gonzales	UQ SMI-CMLR	Philippines

Project Title	Project contact	Institution [#]	Country focus
Rural household strategies in the context of mining development in the Peruvian Andes	Gerardo Castillo	UQ SMI-CSRM	Peru
Oil and gas royalty, taxation and revenue management in East Africa: An opportunity for regional development	Don Bwesigye	Curtin University	East Africa
UNSW Student Call July 2013			
Environmental consequences of airdeck blasting in open pit mining in Sudan	Mohamed Abdulla	UNSW ACSMP	Sudan
Mapping and developing a landscape scale ecosystem services metric for promoting sustainable mining in SW Madagascar	Nayruti Trivedi	UNSW IEC	Madagascar
Sustainable management tools used in the Australian mining industry and applicable to an artisanal gold mining operation in the Pacific region of Choco-Colombia	Andrea Garzon	UNSW IES	Colombia
Impacts of extreme weather events and climate change on mining operations in Peru	Francisco Gonzalez	UNSW ACSMP	Peru
Community consultation and the new legal framework for mining in Colombia	Mario Paredes	UNSW IES	Colombia
UWA/UQ Student Call September 2013			
Improving outcomes for government-managed resettlement in Vietnam	Mai Vo	UQ SMI-CSRM	Vietnam
Photogrammetric method of distant reconstruction of displacement fields in deformable solids	Ghulam Mubashar Hass	UWA SCRE, SCSSE	Pakistan
Mine planning in the face of economic uncertainties	Kwasi Darkwa Ampofo	UQ SMI-BRC	Ghana
Artisanal mining: Challenges and opportunities for the large-scale mining industry	Isabel Buitrago-Franco	UQ SMI-CSRM	Colombia
The response of wetland plants to the geochemical conditions of discharged water from nickel mining operations in eastern Indonesia	Radjali Amin	UQ SMI-CMLR	Indonesia
Controlled and monitored natural attenuation strategies for arsenic pollution	Roberto Gregorio García Fragoso	UQ SMI-CMLR	Mexico
Curtin University Student Call November 2013			
Compound effect of multiple potential mining projects in north west Ghana	Abdul-Wadood Mooman	Curtin	Ghana
Non-toxic gold extraction	Benson Chanda	Curtin	Cameroon
Feasibility of using seismic reflection surveys to discover Iron Oxide Copper Gold (IOCG) in the Gawler Craton, South Australia	Okan Evans Onojasun	Curtin	Nigeria
Ore-body delineation using bore-hole seismic techniques for hard rock exploration	Menu Felix	Curtin	Ghana
Joint inversion: Magnetotelluric and seismic methods	Cuong LeVan Anh	Curtin	Vietnam
Commissioned Research			
Negotiation preparation framework	Jill Howieson	UWA Law	
Negotiation case studies	Caroline Baillie & Rita Armstrong	UWA SCRE	
Evaluation of Impact - support for the review of IM4DC educational programs	Mark Griffin	UWA ALL	General
Investigate the OHS issues associated with small scale and artisanal mining in Ghana	Danellie Lynas	UQ SMI-MISHC	Ghana

Project Title	Project contact	Institution [#]	Country focus
Dialogue groups on mining and sustainable development in Latin America	Diana Arbelaez-Ruiz	UQ SMI-CSR	Latin America

D Action Research university staff project updates

Investigating approaches to working with artisanal and small-scale miners (ASM): A review of best practice and progress reports from the field

Delivery organisation and personnel	Centre for Social Responsibility in Mining, Sustainable Minerals Institute, University of Queensland Nina Collins, Research Analyst Lynda Lawson, Senior Project Manager Kathryn Sturman, Senior Research Fellow		
Collaborating Organisation(s) and Key Personnel			
Summary of Action Research Activity	<ul style="list-style-type: none"> This research investigates and documents approaches to working with Artisanal and Small Scale Mining (ASM) from a governance and training perspective. It will also provide an opportunity to work in partnership with and learn from alumni on AusAID-funded courses who are working with ASM. This research will provide a foundation for the development of further work and training materials to assist governments and associations dealing with these complex issues. The findings will also inform the ongoing development of Return-to-Work Plans and build IM4DC's ability to deliver training in areas related to ASM. 		
Relevant IM4DC Key Theme	<input checked="" type="checkbox"/> Governance and Regulation	<input checked="" type="checkbox"/> Community and Environmental Sustainability	<input type="checkbox"/> Operational Effectiveness
Keywords (Maximum 5)	ASM, artisanal, small-scale mining, governance		
Dates of activity	Commencement		Completion
	March 2013		28 February 2014
Status	<input type="checkbox"/> Yet to commence	<input checked="" type="checkbox"/> On Going	<input type="checkbox"/> Completed
Progress in activities	Planned		Undertaken to date
	Completed review of current best practice in working with the range of issues associated with ASM (focus on criteria and methods used for evaluation). Literature review and additional interviews where necessary (March 2013)		Endnote library with 120+ articles and reports. Draft 30-page review at an advanced stage; complete by end January. 10 interviews completed with individuals involved with working with governance issues related to ASM.
	Initial contacts established for Return-to-Work plans and some interviews conducted (March 2013).		Complete (see below)
	Data from Return-to-Work plans collected and interviews transcribed where necessary (April 2013).		Data includes: <ul style="list-style-type: none"> Collected a total of 23 Return to Work Plans focused on ASM from 12 different countries: Burkina Faso, Burundi, Central African Republic, Ghana, Ethiopia, Madagascar, Mozambique, Nigeria, Rwanda, Senegal, Zambia and Peru. Progress data collected for 15 Return to Work Plans focused on ASM, from 8 different countries: Burundi,

		<p>Ghana, Ethiopia, Madagascar, Mozambique, Rwanda, Zambia and Peru.</p> <ul style="list-style-type: none"> • Interviews with 10 individuals involved in working with governance issues in ASM in Africa. • Interview notes/transcriptions complete.
	Completed progress reports of Return-to-Work plans (May 2013).	<ul style="list-style-type: none"> • Draft detailed progress reports and summary of ASM for two countries – Madagascar and Ghana – to be completed end of January. • Summary of all RTWPs, supplemented with information from interviews and literature review, to be completed 7th February (focused on 22 Return to Work Plans, progress report, interviews, supplemented with information from literature review).
	Delivery of project at IM4DC Conference (21-22 May).	<p>Conference in 2013 was not attended, but some of this funding went towards Nina Collins' time facilitating the 'Challenges' section on M4D Link, and additional time will be spent assisting in the Return to Work section of M4DLink.</p> <p>If additional funding is available, findings will be presented at an alternative conference in 2014.</p>
	Database of contacts of professionals working in ASM established. Newsletter about project distributed (July 2013).	M4D Link has been established independently from this project (with Small Scale Mining Linkages as the first posted 'Challenge'), but will be used to maintain contact and disseminate findings. This project will build on M4D Link and other networks established as a result of the project (e.g. IIED, ODI, UNDP).
	Article completed before end 2013.	Article on findings to be completed end of February and submitted to journal.
Budget	<i>Total budget</i>	<i>Payments to date</i>
	\$45,190 plus GST	50% (TBC)
Summary of findings to date	<p>ASM is largely poverty-driven, and the problems that miners face (and potential solutions) are context specific. One of the major challenges facing the respective governmental authorities, key stakeholders and researchers attempting to address issues related to ASM is the lack of reliable data – both on ASM communities and in understanding the needs of miners. Developing countries also face a severe lack of resources to monitor ASM activities and enforce regulations. Some key initiatives in managing the various issues associated with ASM include the following, each with their own specific challenges:</p> <ul style="list-style-type: none"> • Multi-stakeholder research and engagement on ASM policy - sharing knowledge on ASM's diversity of causes, motivations and outcomes • International-level virtual knowledge programme/network • Country-level network • International Policy improvements • Voluntary Standards, Codes and Certification • Improved local-level baseline information • Increased local-level community consultation, dialogue and participation (including feedback loops) • Regularization and Formalization of ASM • Forming cooperatives and associations • Taxes as a way of ensuring environmental sustainability • Training/skills development programmes • Increased monitoring • Technical assistance/Techniques to ensure that ASSM's operate more efficiently and economically to ensure sustainability • Programmes supporting the beneficiation of resources • Assistance Centres 	

	<ul style="list-style-type: none"> • Processing Centres • Clean/No-mercury technologies • Large-scale mining employing artisanal and small-scale miners • Demarcating areas for ASM • Reclamation of lands mined by small-scale miners • Financial assistance to miners, e.g. microcredit • Alternative livelihoods approaches
<p>Key regions and/or countries visited or involved and key people and organisations engaged to date</p>	<ul style="list-style-type: none"> • Government officials working with ASM in Sub-Saharan Africa (Madagascar, Ghana, Ethiopia, Mozambique, Rwanda, Zambia, Senegal, Central African Republic, Burundi, Nigeria, Burkina Faso and Peru) and academics working in the area in Peru. • Countries visited: Madagascar, Ethiopia, Mozambique (through other projects but information on return to work plans was collected for this project). • Contact established and information shared with: <ul style="list-style-type: none"> ▪ International Institute for Environment and Development (IIED), who are in the processing of developing a 5-year knowledge programme in the area of ASM (Sarah Best, Senior Researcher, Sustainable Markets Group) ▪ Overseas Development Institute (Carolyn Williams, Private Sector and Markets) ▪ Sustainability Pty Ltd (Amy Sexton, Senior Advisor) ▪ Ministry of Mines Madagascar (Mr Tamrat Mojo). ▪ Gavin Hilson • SMI has developed a working group in the area of ASM, focused on health and safety, nominally led by David Cliff (MISHC) – further synergies will arise as a result.
<p>Summary of activities still to be completed and expected completion date</p>	<p>Refer to Gantt chart at end of document.</p>
<p>Outputs, such as publications, software, systems, databases, webpages and training programs</p>	<p>All outputs are still to be finalised:</p> <ul style="list-style-type: none"> • A review documenting current best practice in working with a range of issues associated with ASM, focusing on the conditions under which they are likely to be effective, as well as the criteria and methods used for evaluation. The review will be based on academic and grey literature, and supplemented with formal or informal interviews with key stakeholders, for example IM4DC alumni and academic contacts. • Two progress reports of the Return-to-Work projects (around 5-8 pages each) and summary of all 23 RTWPs. • A compendium of approaches and strategies being used in relation to ASM with a particular focus on governance issues and training – this consists of literature review, review of all RTWPs, detailed progress reports of two RTWPs, and recommendations. • A journal article in a peer reviewed journal. • A Community of Practice to share insights and strategies amongst those who are working with ASM (e.g. selected M4D alumni). This will build upon M4DLink and contacts made through the research to disseminate findings and continue work in the area. • While not directly outputs of this project, the work undertaken here has led to: <ul style="list-style-type: none"> - A training session on ASM to be conducted in February for course in Environmental Management in Mining for IM4DC. - The submission of a NextMine Proposal looking at the intersection of large-scale mining and ASM. - Potential training/research for UNDP under extractive industries strategy.
<p>In-kind contributions provided to the project/activity</p>	<ul style="list-style-type: none"> • Around 13 days of Research Analyst's time.

Dialogue Groups on Mining and Sustainable Development in Latin America

Delivery organisation and personnel	Diana Arbeláez-Ruiz, Centre for Social Responsibility in Mining		
Collaborating Organisation(s) and Key Personnel	Societas Consultora de Análisis Social, Laura Soria Grupo de Diálogo Minería y Desarrollo Sostenible, Peru, Jose Luis Lopez Follegatti		
Summary of Action Research Activity	The project analyses the experience of key national level Latin American dialogue spaces/tables on the mining sector and sustainable development, identifying strengths and weaknesses of existing models, as well as strategic opportunities, advantages and contextual factors that might hinder or enhance dialogue outcomes. The relationship between dialogue and conflict in regulatory processes will be explored as a test topic to analyse dialogue results on the ground. The research will be based on (mostly) face-to-face interviews with key national level mining and sustainable development dialogue space stakeholders and participants mainly from Peru. It will also draw on documented outcomes of two IM4DC financed workshops on dialogue and on conflict and dialogue in EIA approval processes.		
Relevant IM4DC Key Theme	<input type="checkbox"/> Governance and Regulation	<input type="checkbox"/> Community and Environmental Sustainability	<input type="checkbox"/> Operational Effectiveness
Keywords (Maximum 5)	Dialogue, mining, conflict, EIA, regulation		
Dates of activity	Commencement	Completion	
	October 2013	March 2014	
Status	<input type="checkbox"/> Yet to commence	<input type="checkbox"/> On Going	<input type="checkbox"/> Completed
Progress in activities	Planned	Undertaken to date	
	Interviews and engagement – November 2013	80% completed	
	Analysis and report writing	To be completed	
Budget	<i>Total budget</i>	<i>Payments to date</i>	
	\$42,343		
Summary of findings to date	<ul style="list-style-type: none"> Dialogue spaces on mining and sustainable development have emerged in Latin America at different points in time. There is a set of such groups that has only been created in the last 2 to 3 years and their experience is therefore nascent. On the other hand, the Peruvian group is well established and has adopted a very supportive role towards other spaces. These dialogue spaces are well connected and provide opportunities for experience sharing across the region. Seeing EIA as a test topic, the spaces with most experience are Pantanal (a dialogue table from Brazil) and Peru. Other spaces have accumulated less experience, because they are young. Nevertheless this is a topic of interest to many research participants. An important question in understanding the nature of the dialogue spaces relates to who participates and why, and who is invited. The participants expressed an affinity of values in many cases and a willingness to promote dialogue as an overall approach to issues. Amongst the advantages of these dialogue spaces are flexibility in terms of participants and agendas and allowing relationship building and debate on key issues in a non-threatening or confrontational environment. A common difficulty is maintaining ongoing government participation or interest, however this does not apply to all dialogue spaces. Some issues that limit the dialogue spaces' work or capacity to draw interest from some actors are the lack of institutional arrangements or legal certainty or outcomes. 		

	<ul style="list-style-type: none"> The work of the dialogue spaces needs various forms of support including support for knowledge exchange, and financial and human resources.
<p>Key regions and/or countries visited or involved and key people and organisations engaged to date</p>	<p>Names or details that will identify research participants will be reported after participant approval of the draft report in accordance with UQ Ethics clearance granted for the project.</p> <p>Activities so far undertaken in Peru and Australia. The research will draw on results of a workshop where experiences from Chile, Brazil, Argentina, Peru, Guatemala, Panama, Dominican Republic and Ecuador were covered (most workshop participants are also research participants). Representatives from these countries are part of the Latin American Dialogue Group on Mining and Sustainable Development.</p> <p>Two focus groups were conducted one with three males and one with three females from the leaders' network of Peru's Dialogue Group. These six people present perspectives from outside Lima including regions like Arequipa, Cajamarca and Ancash.</p> <p>Individual interviews were undertaken with Dialogue Group members from Peru representing media (1), industry (1), civil society organisations (2), and regional government (1).</p> <p>A Peruvian mining operation participated in an interview on a confidential basis (2 participants). There was also independent comment from one government organisation.</p>
<p>Summary of activities to be completed and expected completion date</p>	<p>Analysis and reporting of outcomes expected completion date end of March 2014.</p>
<p>Outputs, such as publications, software, systems, databases, webpages and training programs</p>	<p>Findings report.</p>
<p>In-kind contributions provided to the project/activity</p>	<p>CARE Peru (provided financial support for some international participants of the workshop component of the overall project, thus contributing to data gathering)</p>

Participatory Water Monitoring in Ghana

Delivery organisation and personnel	Centre for Water in the Minerals Institute (CWIMI), SMI: Alan Woodley and Natasha Danoucaras		
Collaborating Organisation(s) and Key Personnel	Centre for Social Responsibility in Mining (CSRMI), SMI: Nina Collins, Kathryn Sturman and Julie Kim		
Summary of Action Research Activity	<p>The objective of this project is to pilot the SWAP (Social Water Analysis Protocol) on a mining region in Ghana in order to understand the social context of the region and to assess the region's suitability for participation in a participatory water monitoring program. The SWAP was applied to the Bogoso/Prestea mine site operated by Golden Star Resources. Information was gathered via desktop research and a field trip to the region to conduct interviews with local government authorities, mine site employees and community members surrounding the mine site concession. Also, the field trip allowed the research team access to government and company documentation not easily accessible via the internet. Seventy – five participants were interviewed over 25 interviews. The stakeholders that were interviewed were company representatives, a women's group, men's groups, a community based organisation, farmers group, chiefs and sub-chiefs, artisanal scale miners, local government authorities, key informants and a broad cross section of the community.</p>		
Relevant IM4DC Key Theme	<input type="checkbox"/> Governance and Regulation	<input checked="" type="checkbox"/> Community and Environmental Sustainability	<input type="checkbox"/> Operational Effectiveness
Keywords (Maximum 5)	Participatory water monitoring		
Dates of activity	Commencement		Completion
	April 2013		Planned for end of February 2013
Status	<input type="checkbox"/> Yet to commence	<input checked="" type="checkbox"/> On Going	<input type="checkbox"/> Completed
Progress in activities	Planned		Undertaken to date
	Task 1- application of SWAP desktop review/phone/emails. Due by mid August		Done
	Write up the results of task 1 into report by mid September.		Done
	Anticipate trip to Ghana will take place last week of Sep/ first week of October		Done
Task 3 - Incorporate results of field trip into report. Tailored summaries. Report By End of February.		On-going	
Budget	<i>Total budget</i>		<i>Payments to date</i>
	\$80,330.80 including GST \$73,028 without GST		\$36,514
Summary of findings to date	The result of the field trip showed that environmental monitoring of the surface water was not of interest to the community and was not appropriate for a participatory monitoring approach due the severe degradation of surface water in the region. The area of most concern for the community was the water quality of the groundwater that they consumed and used for household tasks.		
Key regions and/or countries visited or involved and key people and organisations engaged to date	Bogoso/Prestea region in Ghana. Main contact at Golden Star Resources: Akwasi Owwusu-Bi on site and Mark Thorpe at corporate office. Main contact for the community: Justice Oppong.		

<p>Summary of activities still to be completed and expected completion date</p>	<p>Task 3 – Report with an executive summary. The executive summary will be rewritten to tailor to the three stakeholder groups – community, government . Tailored summaries. Report By End of February.</p>
<p>Outputs, such as publications, software, systems, databases, webpages and training programs</p>	<p>Report to IM4DC, tailored summaries to identified stakeholder groups, pilot trial of SWAP</p>
<p>In-kind contributions provided to the project/activity</p>	