

IMRC



CANADA 2016

IMRC Canada 2016

*“A Model for Future
Competitions”*

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Body



Sharing and Learning



RUSSIA- Emercom Of Russia
Kryvyi Rih Mine Rescue



Introduction

- At IMRC Poland 2014 no host available for 2016 competition.
- Canada asked by several competing nations to be host.
- Contacted WSN CEO while in Katowice.
- Required BOD approval to proceed.
- Numerous conditions.
- Approval given in October 2014.
- 21 1/2 months to competition date.



Challenges/Realities

- \$80K CAD seed money.
- No internal funding available.
- Needed support from industry, government, municipality and suppliers to be successful.
- Obtained a debrief from Poland.
- March 2015, 17 months to competition date.



A New Approach



- The need to bridge language challenges
- Standardized Competition Rules
- International Judges
- Fairness and transparency.



Desired Outcomes

- 30 teams from 20 nations.
- International teams have priority over Canadian teams (2 teams per nation, maximum of 4 from Canada representing regions).
- Fairness and transparency.
- Minimizing language barriers.
- Viewer friendly.



Opening Ceremony

Awards and Closing Ceremony



Technician Competition



Theory Test



High Angle



Underground Simulation



First Aid



Fire Fighting



Cost of Hosting Exceeds Initial Estimates

- Initial Budget \$250K CAD
- Cost of realism increases overall costs.
- Support from Industry and Community continue to grow.
- In-Kind contributions from mine operators, community and suppliers/manufacturers are substantial.
- 9 months to competition date.

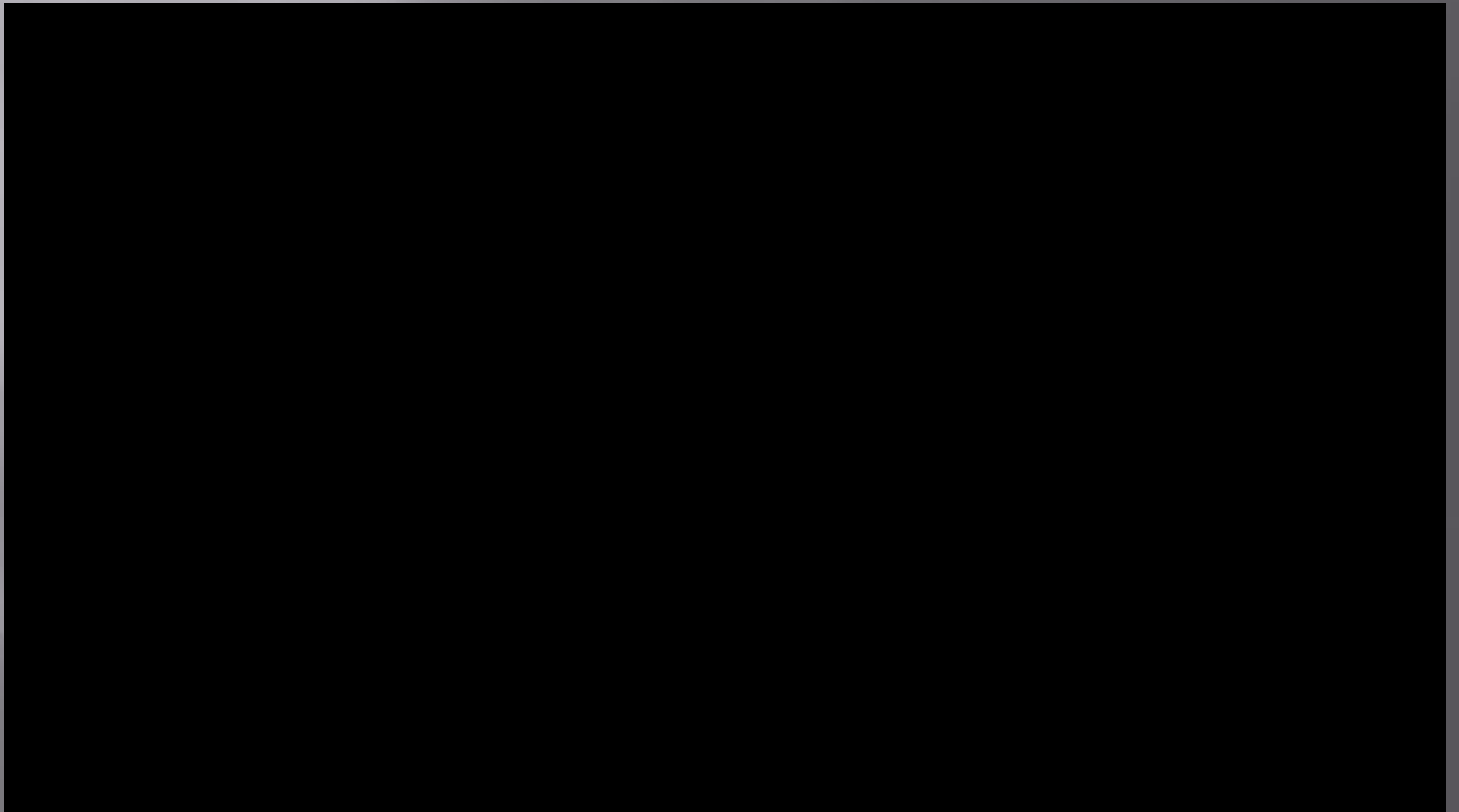


Concerns and Challenges Grow

- Number of competition teams projected to exceed capacity (January 2016).
- Team Scheduling and Transportation will be challenging and costly
- Numerous external organisations requesting to participate/assist including research
- 7 months to Competition date



Video





Competition Summary

- 350 competitors, 27 Teams, 13 nations.
- 117 Judges representing 7 nations.
- 750 participants (Competitors, judges and volunteers).
- Competition support from 81 organisations (mining operations, Academia, Government and Service/Suppliers).



Winners





Winners

Overall Winner

First – Canada, Kirkland Lake Gold
Second – Ireland, Boliden Tara Mines
Third – Poland, KGHM White Eagles

Emergency Underground Scenario

First – Canada, Kirkland Lake Gold
Second – Canada, Compass Minerals,
Goderich Mine
Third – Ireland, Boliden Tara Mines

Firefighting:

First – Poland, Bytom
Second – USA, MSHA Mine Emergency Unit
No. 1
Third – Canada, Cameco McArthur River

First Aid

First – Australia, Peabody Energy Wambo Coal
Second – Ireland, Boliden Tara Mines
Third – Canada, Cameco McArthur River

High Angle Rope Rescue

First – Poland, KGHM White Eagles
Second – Canada, Cameco McArthur River
Third – Canada, Vale Sudbury West Mines

Theory

First – Canada, Compass Minerals, Goderich
Mine
Second – Goldcorp Americas
Third – Canada, Vale Sudbury West Mines

Technician

First – Russia, EMERCOM
Second – China, Shaanxi Coal and Chemical
Group
Third – USA, MSHA Mine Emergency Unit
No. 1



Outcomes and Facts

- 21 Awards, 13 teams from 7 nations.
- First ever multinational team –Goldcorp composed of a 3 nation team.
- First ever female on an International competition winning team.
- Greatest number of competing teams 27.
- Target number of team and countries not met due to global poor economic conditions.
- International judges - 7 nations including Canada.
- Viewer friendly live telecast.
- Top 9 teams scored within 4 % of each other.



IMRC
**INTERNATIONAL
 MINES RESCUE
 COMPETITION**
 CANADA 2016

Overall			
	Country	Teams	Overall Total
1	Canada	Kirkland Lake Gold	92.66%
2	Ireland	Bolden Tara Mines	91.94%
3	Poland	KGHM White Eagles	90.35%
4	Canada	Cameco McArthur River	90.27%
5	Canada	Compass Minerals Goderich Mine	90.21%
6	Australia	Peabody Energy Wambo Coal	90.07%
7	Canada	KGHM Sudbury Basin Cobras	89.05%
8	Poland	Weglokoks Kraj Bytom	88.53%
9	Multinational	Goldcorp Americas	88.29%
10	Canada	Agnico Eagle Goldex Mine	87.65%
11	USA	MSHA Mine Energy Unit No. 1	87.45%
12	Canada	Vale Sudbury West Mines	87.22%
13	China	Guizhou Yonggui Energy Company	82.76%
14	Poland	Scorpions Team Katowice	82.19%
15	Canada	Vale Manitoba Operations	81.79%
16	Ukraine	State Militarized Mine Rescue Squad	81.48%
17	Russia	EMERCOM	80.72%
18	Slovakia	HBP	79.47%
19	Poland	Gray Wolves	76.83%
20	Russia	SUEK	76.67%
21	China	Shaanxi Coal and Chemical Group	76.31%
22	China	Pingmei Senma Group	73.27%
23	Colombia	Fiebre del Oro	69.71%
24	India	Coal India Ltd.	69.28%
25	Colombia	Colombia Coal Company	68.65%
26	India	Singareni Collieries Ltd.	67.68%
27	Vietnam	Vinacomin	58.63%



Feedback from Competing Teams

- Questionnaire sent to all participating teams.
- Teams asked to provide feedback
 - Favourable aspects of the competition , and
 - What needs to be changed or improved on at future events.
- 16 teams provided feedback (verbal and/or written).



What Teams Liked





What Teams Liked

- Canadian / Sudbury Hospitality.
- Extremely well organised event.
- Realism in rescue scenarios was fabulous.
- Equipment orientation in advance of the competition.
- Use of International Judges.



What needs to be Changed

- Need to limit the number of Canadian teams.
- Should have professional acts for opening ceremony.
- Language remains to be a challenge especially the theory competition.
- Teams must be able to use the equipment they are familiar with.
- Equipment orientation needs to be streamlined.
- Need timely competition debriefing following the event.
- Many coal rescue teams felt that a multi-level mine was a huge disadvantage to them.
- Venue for closing ceremonies much too small.
- Weather during opening ceremonies.



Recommendations to Future Hosts





Recommendations to Future Hosts

- Realism is essential and needs to be an integral component of future competitions.
- Need to continue to work towards standardized competition rules.
- Competing teams need to assign a team liaison (interpreter) as early as possible.
- Obtain structured feedback following each competition and share findings with future hosts.
- Teams need to be able to use equipment they choose.
- The knowledge test should be a stand alone event.



Спасибо!