



The GARD Guide Best Practices for ARD Management & Prevention

Part 4 : Path Forward

Jim Robertson, Barrick Gold Inc.

8th ICARD & Securing the Future

**June 23, 2009
Skelleftea, Sweden**

Summary of Current Progress

- ❑ Over the past 3 years INAP has applied its savings and membership fees to develop the GARD Guide
- ❑ The members and consultants have done a fantastic job in producing a sound reference document for the application by all stakeholders in the future.
- ❑ Sincere thanks go to all contributors



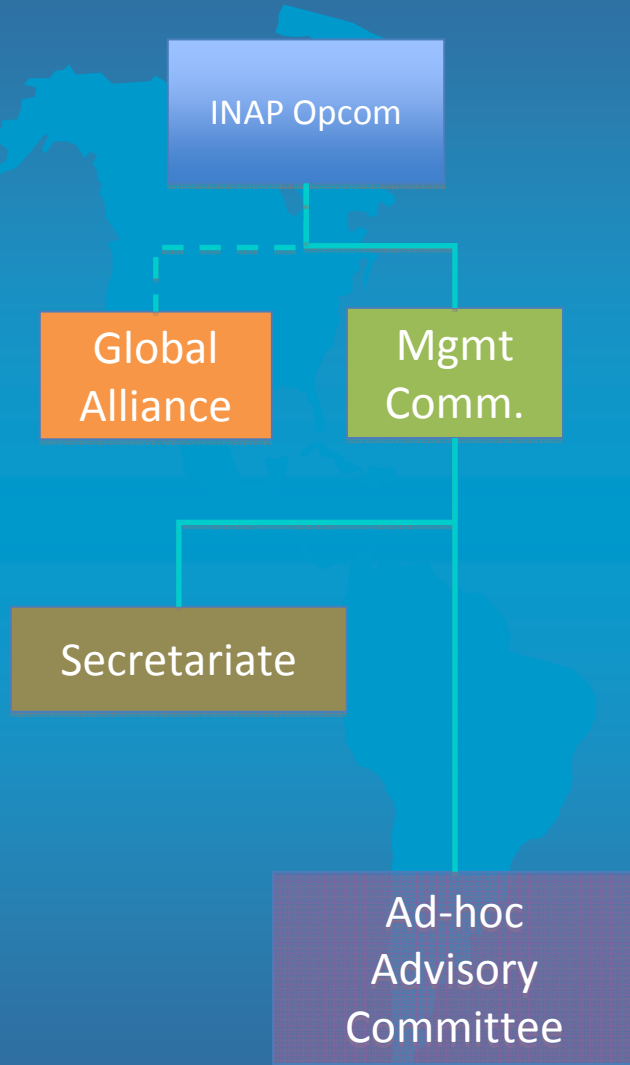
Next Phase Activities

1. Organization Engagement
2. Focus of INAP for promotion of the GARD Guide
3. Training Programs
4. Facilitating Research
5. Added Future Challenges
6. GARD Guide Development

NEXT PHASE GARD GUIDE ORGANIZATION OPTIONS



Current



Option 1



Option 2





Adaptive Management Plan

- ❑ The results of the program will be reviewed annually by the INAP Opcom
- ❑ Where needed the structure may be expanded or modified
- ❑ Financial needs and possible resources will be identified to allow the program to be financially self sustaining



2. INAP Areas of Focus

1. Meeting with IFC to discuss how to integrate the GARD Guide into the IFC Environmental Guideline on Mining
2. Developing a working relationship with ICMM for providing technical support facilitation
3. Work with Mining Associations to provide technical support where requested

2. INAP Areas of Focus cont.

4. Add new INAP members
5. Facilitate new members of Global Alliance
 - ❑ Brazil, China recent interest
6. Publish a hard copy of GARD Guide
7. Facilitate translation by others to other languages
8. Assist regulatory agencies when requested with generic information
9. Promoting how the Guide can be integrated into company EMS programs



Application of Computer Resources

1. Review what platform is the best for all aspects
 - Continue to develop wikipedia ?
 - Assess cost and resources ?
2. Review the use of INAP web site for some information and aspects
3. Address language needs over time

3. Elements of Training Program

- ❑ Develop a program with others to provide basic education training sessions and workshops on fundamentals of the guide – developing countries
- ❑ Work with INAP Members and Global Alliance to develop focused technical workshops
- ❑ INAP will compile feedback from the training programs of specific areas that need more research or tools to address issues
- ❑ Annual review of progress, funding and planning priority areas for next year



4. Research Planning

- ❑ INAP does not have a budget to perform or sponsor major research projects independently
- ❑ INAP has contributed to collaborative research projects in the past
- ❑ Research projects need to be promoted, planned and financed by the end users



4. Research Planning cont.

- ❑ INAP and the Global Alliance members can assist the stakeholders in planning research for focused projects
- ❑ INAP can assist others in planning by :
 - Identifying interest parties that may collaborate
 - identifying credible experts
 - Identifying institutions with past experience
 - Advice to prevent redundant work
 - Advice on priority areas where work is needed
 - Where appropriate, adding results into GARD tool boxes



5. Added Future Challenges

1. Engaging next generation for succession planning for INAP members
2. Encouraging consultants hired by INAP members to use and contribute to the Guide development
3. Developing and adding mini-case histories to the Guide
4. Develop a program to use retired experts for focused projects and advice

6. Improvements to the Guide

- o The Guide is a dynamic document that is intended to be improved continually over time.
- o In the near term the Guide needs to be applied through training programs
- o Feedback from stakeholders will define the priority needs for improvement
- o Annual reviews will be conducted to plan for additions and improvements



Thanks for your attention

QUESTIONS?