

How the regional networks can support sustainable communities

The case of CASM-China

Lei Shen

Presented by AJ Gunson, Fluor Canada

Center for Resources Science Research (CRSR)

Institute of Geographic Sciences & Natural Resources Research (IGSNRR)

Chinese Academy of Sciences (CAS)



ASM in China



ASM in China:

- ❖ Employs at least six million miners;
- ❖ ASM takes place in every province of China (except Shanghai).
- ❖ Mine almost all economic minerals.
- ❖ China is the leading world producer of coal, antimony, iron, lead, manganese, phosphate, tin, tungsten and zinc, among others.
- ❖ Between 30 to 65% all this production is by ASM.

ASM in China



Extent of ASM Gold Mining

Reducing the environmental impact of ASM in China



- ❖ CASM-China is drafting a new amendment to China's Mineral Law and Land Law, and has included articles on:
 - Environmental Protection;
 - Mine Safety;
 - Mine Closure;
 - Effective Resource Use.
- ❖ CASM-China actively promotes the importance of protecting the environment while mining and concentrating;
- ❖ During local meetings and field trips, CASM-China has advised and taught ASM owners why and how to use environmental friendly methods in their practical business.

Reducing poverty



- ❖ CASM-China encourages the ASM owners to carry out integrated community development, including agriculture development and diversification into other industries and increasing local employment;
- ❖ CASM-China works to provide some technological support and consultation for ASM during local field studies.

Improving health and education



- ❖ CASM-China is including legal articles into the new amendments the mineral resources laws which emphasize health and education;
- ❖ CASM-China has and will continue to translate best practice and mine safety booklets and documents from organizations such as the ILO and CASM-Global;
- ❖ CASM-China will carry out short courses on health and education during local meetings and field surveys.

Developing sustainable communities



- ❖ CASM-China will advocate best practices for ASM of China, working toward of developing sustainable mining communities;
- ❖ CASM-China will aim to work with some leading mining companies toward developing more sustainable mining communities.



Thank you!