SOCIAL RISK IN THE EXTRACTIVE SECTOR: DO MINERS NEED NEW SKILLS?

Jocelyn Fraser & Andre Xavier, PhD.
THE COST OF CONFLICT IN THE EX extructive SECTOR

UP TO $10,000 PER DAY DURING INITIAL EXPLORATION

UP TO $50,000 PER DAY DURING ADVANCED EXPLORATION

UP TO $20 MILLION PER WEEK DURING OPERATIONS

www.csrm.uq.edu.au/conflict-costs
GLOBAL MINING COMMUNITY CONFLICTS

- **2014:**
  - Incidents: 45
  - Companies: 37
  - Countries: 25

- **2013:**
  - Incidents: 44
  - Companies: 38
  - Countries: 24

- **2012:**
  - Incidents: 43
  - Companies: 39
  - Countries: 23
CAUSES OF CONFLICT

1. Land use
2. Failure to benefit to local communities
3. Lack of consultation
4. Human rights
NON-TECHNICAL COURSES

1. Sustainable resource development (3rd)
2. Front line supervision (3rd)
3. Mine management (4th)
4. Mining & the environment (4th)
5. Mining & sustainability (4th)
“The Engineering profession expects of its members competence in engineering as well as an understanding of the effects of engineering on society. Thus, accredited engineering programs must contain not only adequate mathematics, science, and engineering curriculum content but must also develop communication skills, an understanding of the environmental, culture, economic and social impacts of engineering on society, the concepts of sustainable development, and the capacity for life-long learning (CEAB, 2015).
STRONGER INTERNAL ALIGNMENT ALLOWS FOR BETTER MANAGEMENT OF RISKS AND OPPORTUNITIES

Source: Globescan
CONCLUSIONS
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