

INTERGOVERNMENTAL FORUM on Mining, Minerals, Metals and Sustainable Development

New Tech, New Deal:

Findings and new directions for the changing face of mining

IGF Report Launch Webinar

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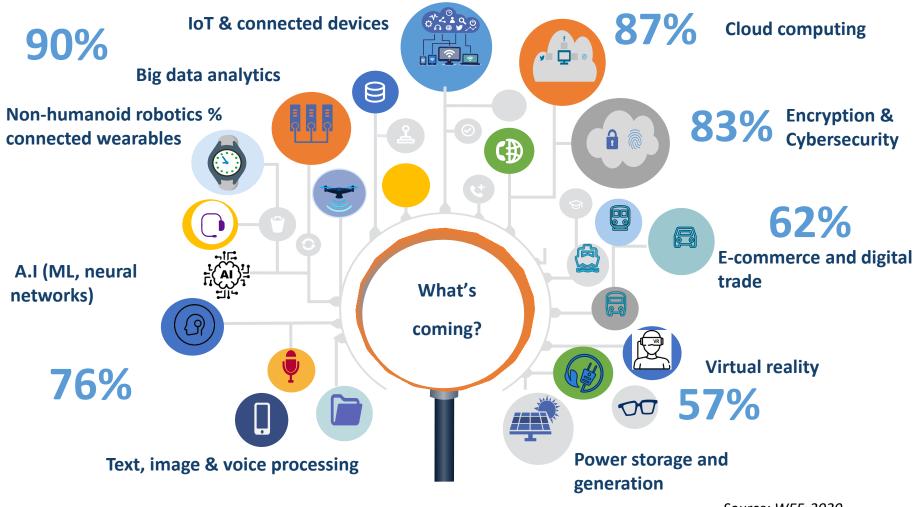


THE COMING NEW TECHNOLOGIES





TRENDS BY 2025



Source: WEF, 2020



LIKELY IMPACTS: STAKEHOLDERS SPECIFIC

For mining industry:

- ✓ Improved efficiency (labour; assets; operation)
- ✓ Higher productivity
- ✓ Improved work & workers safety

For communities:

- ✓ Changes in occupations and jobs
- ✓ Ripple effects on local economies
- ✓ Gendered implications

For Governments:

- ✓ Balance of socio-economic benefits
- ✓ Revenues
- ✓ Possible implications for ASM



Expect fundamental changes:

✓ New actors as strategic

investors

- ✓ Innovation and R&D hubs more prominent
- ✓ Different expertise and
 - knowledge needed







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ELEMENTS OF A NEW DEAL



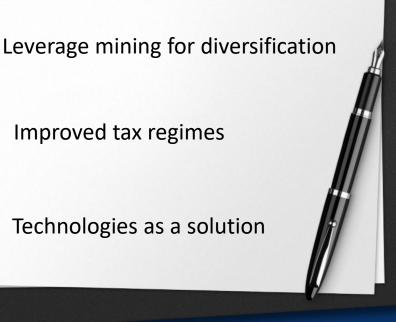
Employment in the mine of the future



Improved tax regimes



Technologies as a solution





1. EMPLOYMENT

Skills and education

- National policies:
 curricula including basic
 education + lifelong
 learning + more STEM
- ✓ (Re/up) skilling and (re) training

Partnership Approach

- Need timely info on investment plans, skills needed
- Partnerships between mining companies & educational institutions

Supporting policies

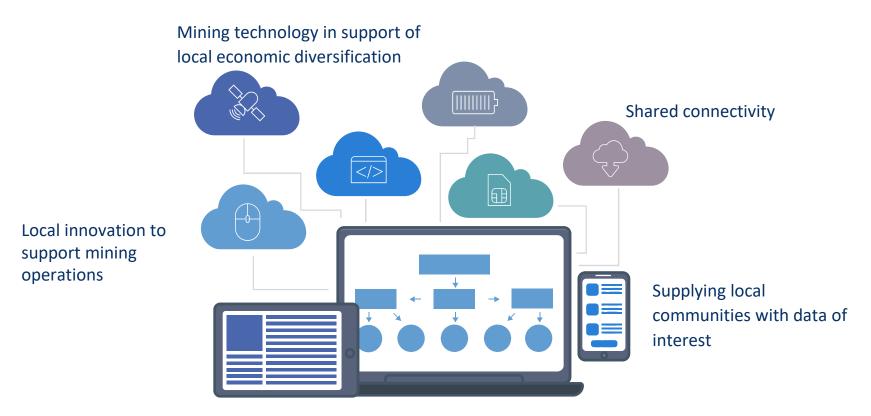
Local procurement
 policies and
 accompanying supply
 chain development
 support
 Training

incentives/mandates

Need baseline information: skills gaps, curriculum gaps



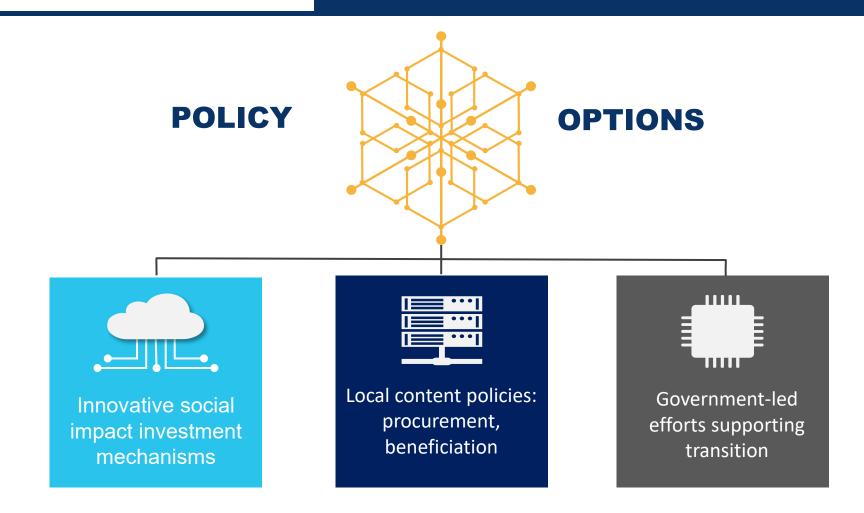
2. TECHNOLOGY AS A SOLUTION



Using mine-level data to support tax authorities



3. LEVERAGING MINING FOR DIVERSIFICATION

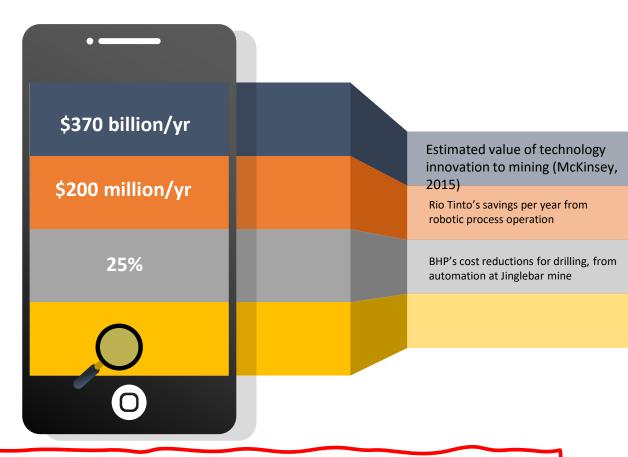




4. IMPROVED TAX REGIMES

Can taxation make up for the loss of employment-related benefits?

- Tax excess profits for benefit of communities, displaced workers
- May be no excess profits to tax



BUT: Increased taxation can't be the only policy pursued – misses all the other opportunities, collaborations, described above.





CONCLUSIONS



Disruptive changes are coming quickly

- Governments need to adapt laws, regulations, institutions, fiscal regimes
- Mining companies need to be proactive on e.g. skills, social investments

Prerequisite for success:

- Baseline data: job impacts, existing & needed skills
- Partnership approach: governments, companies, communities/workers

Important to get it right:

- ✓ Development issue
- ✓ Social licence issue.

So much we still don't know.

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02

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THANK YOU

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