



Circular economy What's in it for mining?

Mining and Mineral Industry of the Future 2015

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Mining has been a 'linear economy' activity:

- Replacing materials used and discarded by society
- Extracting fossil fuels that accumulate as greenhouse gases
- Spoiling unspoilt ecosystems
- CSR improvements but no systemic change

Will the future of mining be linear or circular?



Mining in a circular economy:

- What about mining materials that are carefully preserved within tomorrow's resource cycles?
- What about mining new materials essential to tomorrow's renewable energy economy?
- What about mining that makes net-improvements to ecosystems?

Mining can choose a circular future!

The logo for the event 'Framtidens Gruv & Mineral 2015' is displayed in a black rectangular box. The text 'FRAMTIDENS GRUV & MINERAL' is in white, with '2015' in a larger, bold, yellow font. To the right, the dates '26-27/1' and the location 'GRAND HOTEL STOCKHOLM SWEDEN' are listed in white. The background of the logo features a dark, atmospheric image of a mine interior.

FRAMTIDENS
GRUV & MINERAL 2015

26-27/1
GRAND HOTEL
STOCKHOLM
SWEDEN

Circular economy: what's in it for mining?

- A vision for mining that embraces the whole society
- Offer a high-value product, not a throw-away product
- Show society how to actually do #circulareconomy
- Ensure continuing 'social licence to operate'
- Minimise land conflicts, operating costs and delays
- Maximise profits from both existing mines and new circular resource opportunities



How?

- How we've tried it over 40+ years hasn't worked
- Meaningful change means changing the economics
- Every product has a waste-risk, ie a risk of becoming wastes in ecosystems
- **Circular economy is achievable by 'insuring' waste-risk, with premiums spent cutting waste-risk**
- No taxes, no prescriptive regulation
- Let's do it!