

SUSTAINABLE MINING IN THE ARCTIC REGION - INDUSTRY PERSPECTIVE

October 21st 2014, Brussels (Meeting organised by Counties of Norrbotten and Västerbotten and Northern Sweden European Office)

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SOCIETY

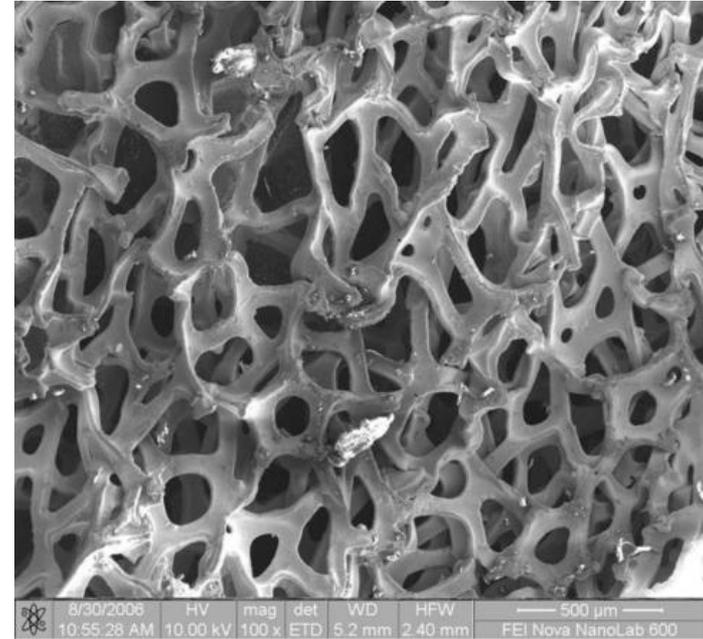


Interface



Necessity?
Treasure?
Threat?

MATERIALS



CURRENT VIEWS MATERIALS - TREASURE OR THREAT?

Renewable



Metals are chemical elements that
do not disappear



Steel is recycled to 75-90%

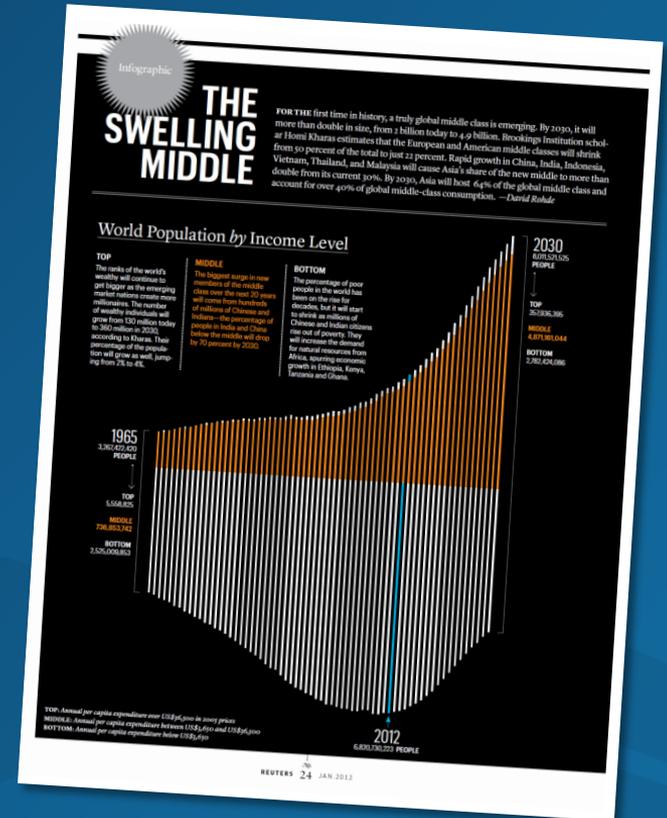
UNEP, 2011. Metal recycling Rates – A Status Report.
International Resource Panel, UNEP.DTI/1381/PA

Non-renewable



3 BILLION CITIZENS MOVE FROM POVERTY TO MIDDLE CLASS BY 2030¹

¹ McKinsey Global Institute 2011: Resource revolution. Meeting the world's needs of energy, material food and water. Extracted from Kharas, K, 2010: The emerging, middle class in developing countries OECD Working Paper 285, DEV/DOC (2010)2



RAW MATERIAL SUPPLY – A GLOBAL SOCIETAL CHALLENGE. EU CAN CONTRIBUTE

124 YEARS

1890

2014

OF SUSTAINABLE COMPETITIVENESS BY
COMMITMENT, FRESH THINKING AND RESPONSIBLE ACTIONS

LKAB IN SHORT

- Supplier of climate-smart high-grade iron ore products for the steel industry.
- Technological and environmental leadership, 4 400 employed, 18% women.
- 90% of the production in EU 2013: 25.3 Mton, 23.1 Mton iron ore pellets = 250 000 pellets per second or 1 000 pellets per year, per capita.
- LKAB presently consumes around 4 TWh of energy annually. Emits around 750 000 tonnes of CO₂. Our energy and climate strategy for 2012-2020 includes savings of 1 TWh annually by 2020, and by phase out of coal and oil (50% of the energy used). We strive to become CO₂ neutral by 2050.
- One of Sweden's major investors, €6 billion 2004-2013, to grow the company, increase resource efficiency and further limit the environmental footprint.

Regional growth started with mining

