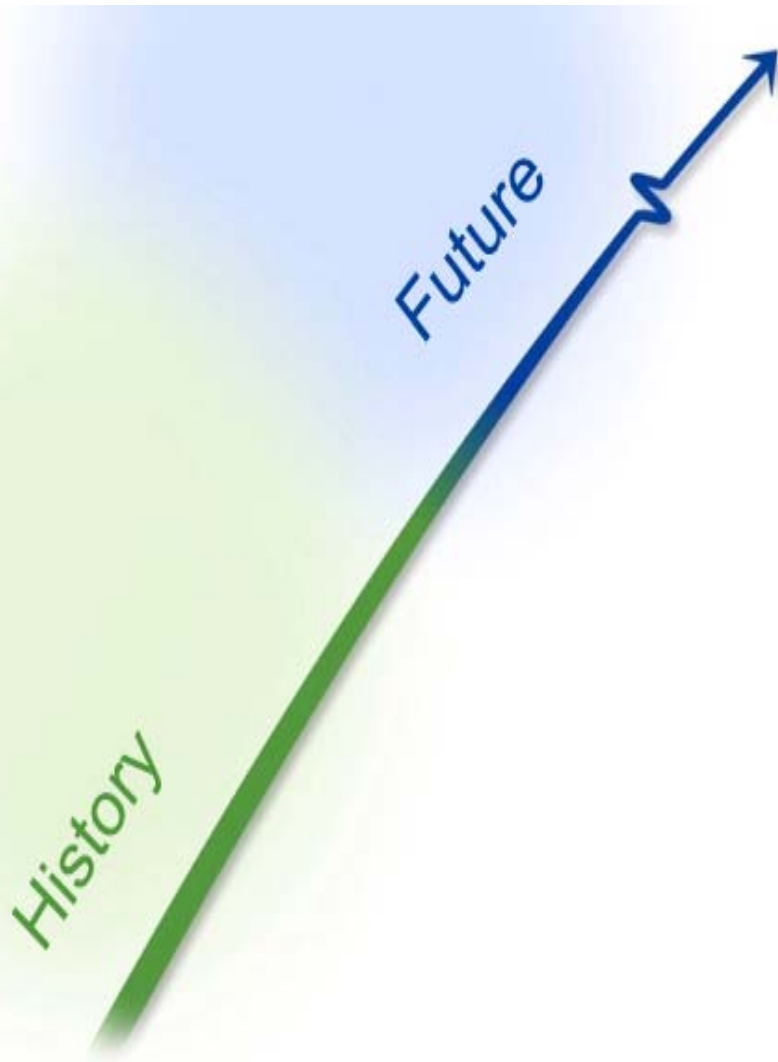


**R&D for sustainable growth.
How to create effective solutions for
R&D in the globalised world?**

Plenary session
Bergforsk June 8th, 2006

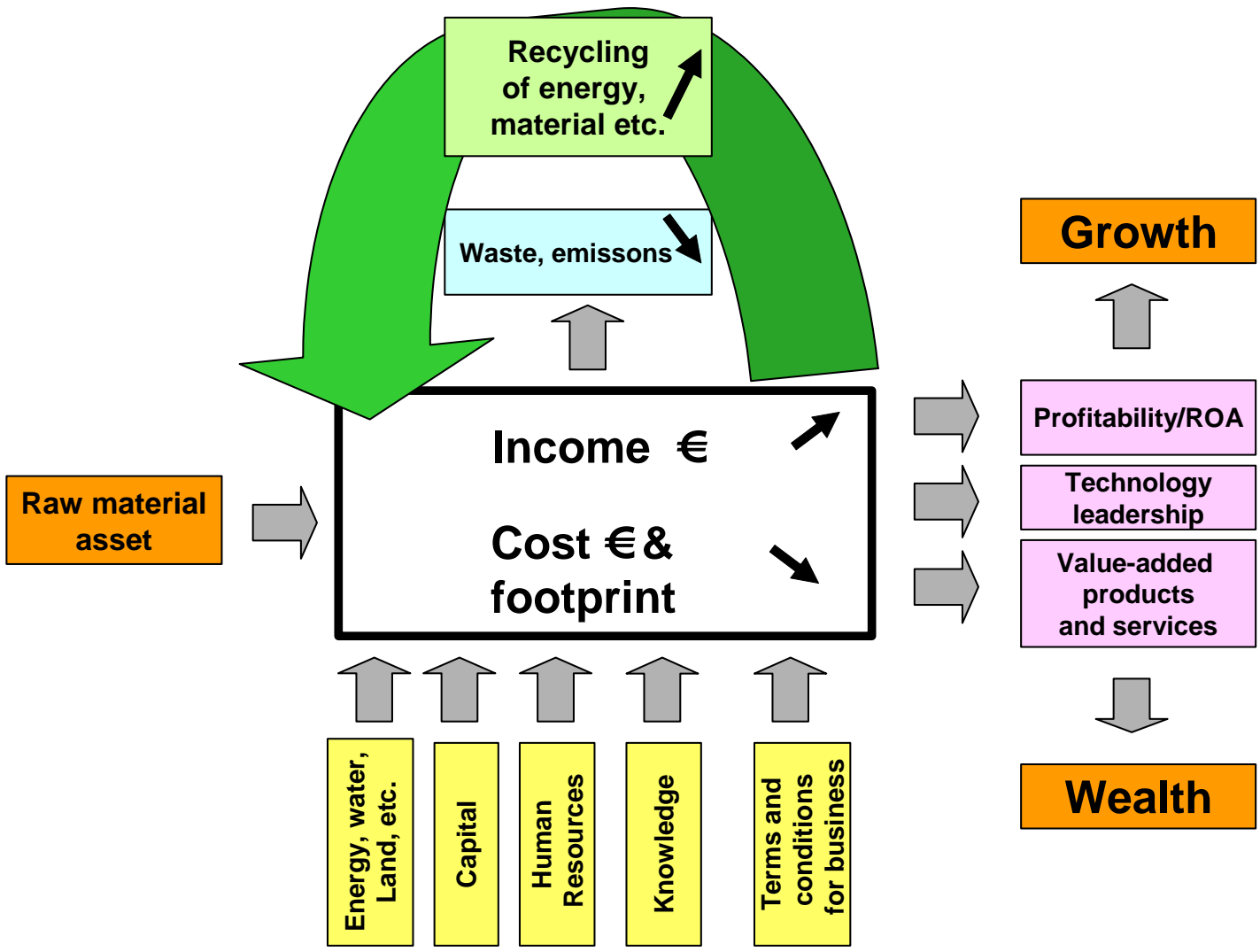
Introduction
Göran Bäckblom, MITU



- 1 There is a mine for silver
and a place where gold is refined.
- 2 Iron is taken from the earth,
and copper is smelted from ore.
- 3 Miners put an end to the darkness;
they search out the farthest recesses
for ore in the blackest darkness.
- 4 Far from human dwellings they cut a shaft,
in places untouched by human feet;
far from other people they dangle and sway.
- 5 The earth, from which food comes,
is transformed below as by fire;
- 6 lapis lazuli comes from its rocks,
and its dust contains nuggets of gold.
- 7 No bird of prey knows that hidden path,
no falcon's eye has seen it.
- 8 Proud beasts do not set foot on it,
and no lion prowls there.
- 9 The miners' hands assault the flinty rock
and lay bare the roots of the mountains.
- 10 They tunnel through the rock;
their eyes see all its treasures.
- 11 They search [a] the sources of the rivers
and bring hidden things to light.

Use of minerals

- US citizens use 20 tons of minerals/year
- Citizens in western world use 1, 700 tonnes of minerals during his/her lifetime
- Increasing demands due to growth of global economy and growth of population



Current trends

- Increasing demand for minerals due to global economical growth
- Globalisation of markets and technology
- Consolidation of companies through mergers and acquisitions

Plenary session

- How to create effective solutions for R&D in the globalised world?
- What are the barriers for effective R&D?
- Ideas to make R&D more effective?