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SLIDES: UNIDO: Partner for Prosperity

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PARTNER FOR PROSPERITY
A Period of Volatile Transitions

- Global Economic crisis continues “intensified economic cycles”
- Developing countries going through energy intensive growth
- Fossil fuel price volatility
- Massive urbanisation
- The Japanese Tsunami/Nuclear disaster
- US unconventional natural gas bonanza
- A shift in geopolitical and economic power from west to east
- Increased environmental stresses
- Solar PV prices crash
- Food prices
- The Arab spring
The Age of Planetary Boundaries

3 billion more middle class consumers expected to be in the global economy by 2030

147% increase in real commodity prices since the turn of the century

108% food price increase in the last decade

80% rise in steel demand by 2030

100% increase in the average cost to bring a new oil well into production in the past decade
“Indications are that the food crisis of 2008 was a dress rehearsal for future crises” (Paul Krugman)

Population growth
Rising per capita consumption
Reduced storage capacity
Shift to biofuel production
Slowing growth in agricultural production
Recent Headlines in 2011

- **Foreign Policy: January 10, 2011 (Lester Brown)**
  *The great food crisis of 2011: It’s real, and it’s not going away anytime soon.*

- **Foreign Policy: May/June 2011 (Lester Brown)**
  *The new geo-politics of food. From the middle east to Madagascar, high prices are spawning land grab and ousting dictators. Welcome to 21st Century food wars.*

- **New York Times: June 6-12, 2011 (Justin Gillis, Josh Honer, Gindad Obregon)**
  *Food for a warming planet: Global population would be 10 bn by the end of the century, and food output will have to double.*
By 2050 we will need three planets...

“We are using 50 percent more resources than the earth can support. Today we are living as if we had 1 1/2 planets. If we continue like this, by 2050 we will need three planets. Our pattern of consumption is unsustainable.”

(“2012 Living Planet Report”, WWF)
European Resource Efficiency Platform

Importance of resource efficiency recognized by EU through the establishment of the “European Resource Efficiency Platform” (EREP).

First meeting set to take place in June 2012.

The Resource Efficiency Roadmap includes

- Resource efficiency indicators and targets
- Transforming the economy: internal market for green products
- Annual growth survey / “European Semester”
- Eco-Innovation Action Plan
Increasing demand for jobs

Currently 200 million unemployed

Of which 75 million are unemployed youth

Currently 1% GDP growth leads to 0.3% job growth

We need to move to 0.5% job growth per 1% GDP growth

We need another 600 million jobs in the next decade

We need another 40 million more new jobs needed per year

200 million currently unemployed

75 million of which are unemployed youth

1% GDP growth leads to 0.3% job growth

We need to move to 0.5% job growth per 1% GDP growth

We need to support SME development and job-intensive investment in manufacturing

75 million are unemployed youth

40 million more new jobs needed per year

200 million currently unemployed

600 million jobs in the next decade

1% GDP growth leads to 0.3% job growth

We need to move to 0.5% job growth per 1% GDP growth

We need to support SME development and job-intensive investment in manufacturing
Energy Poverty

Under business as usual, 1.3 billion people – or 16% of the world’s population – still lack access to electricity in 2030, despite more widespread prosperity & more advanced technology.
Outlook for world energy demand

Without major policy change, we will face three major challenges: energy security, energy access and climate change.

Source: IEA
Objectives to be achieved by 2030:

- Ensuring universal access to modern energy services.
- Doubling the global rate of improvement in energy efficiency.
- Doubling the share of renewable energy in the global energy mix.
Key role of natural gas

• Low-carbon transitional fuel towards clean, sustainable energy

• Key for expanding clean energy access around the world
  - in combination with coal
  - facilitating the growth of renewable energy
  - replacing polluting fuels in transportation and buildings.
Role of gas

- **Clean cooking** solutions

  Need USD 74-100 Billion by 2030

  Need USD 20 Billion for LPG

  - to reach 220 million households
  - to reduce 2 million premature deaths per year
  - to save 20 hours per week labour for women and children
Energy and Security

Movement for the Emancipation of the Niger Delta
Energy and Security

Environmental Assessment of Ogoniland

United Nations Environment Programme
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