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SLIDES: UNIDO: Partner for Prosperity

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PARTNER FOR PROSPERITY

Dr. Kandeh K. Yumkella
Director-General, UNIDO

Boulder, 17 Sept. 2012

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

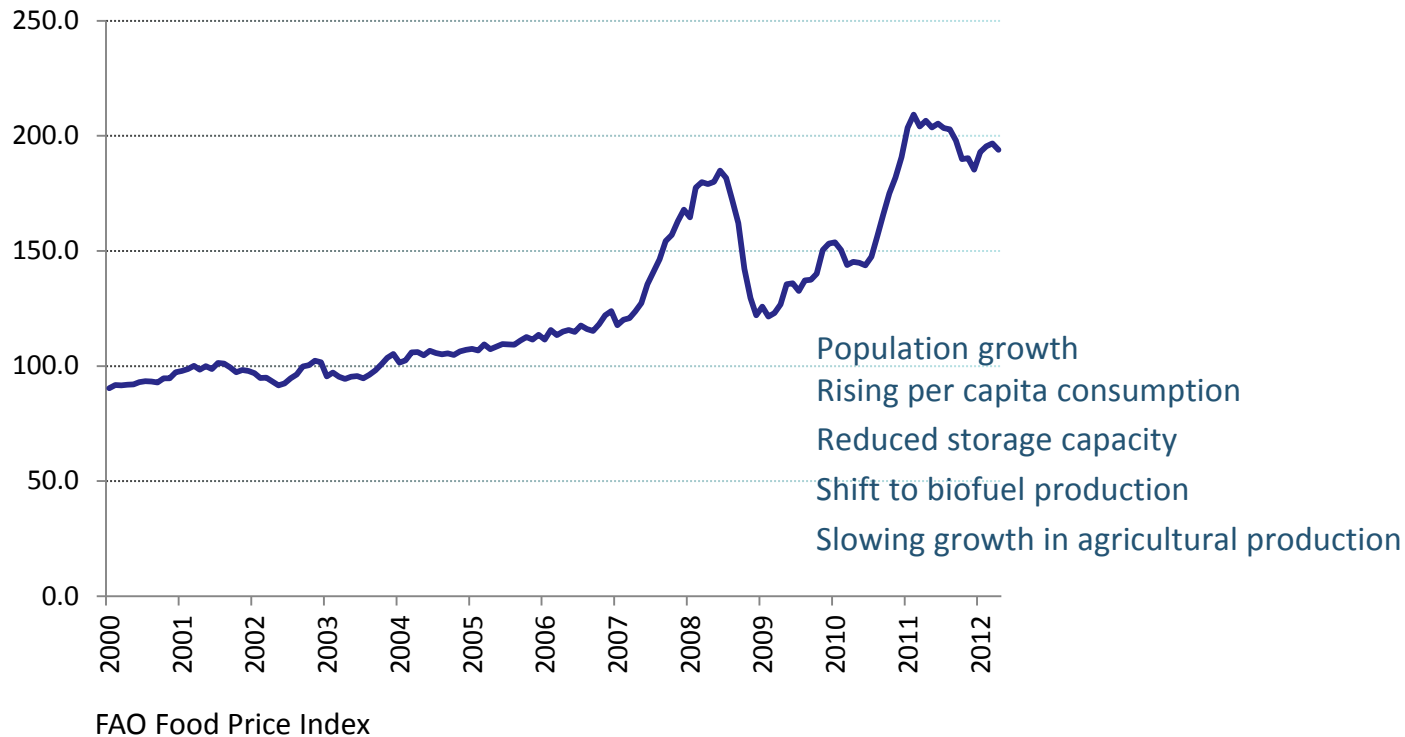
108% food price increase
in the last decade

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

Dramatic increase in food price

“Indications are that the food crisis of 2008 was a dress rehearsal for future crises” (Paul Krugman)



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

40 million more
new jobs needed per year

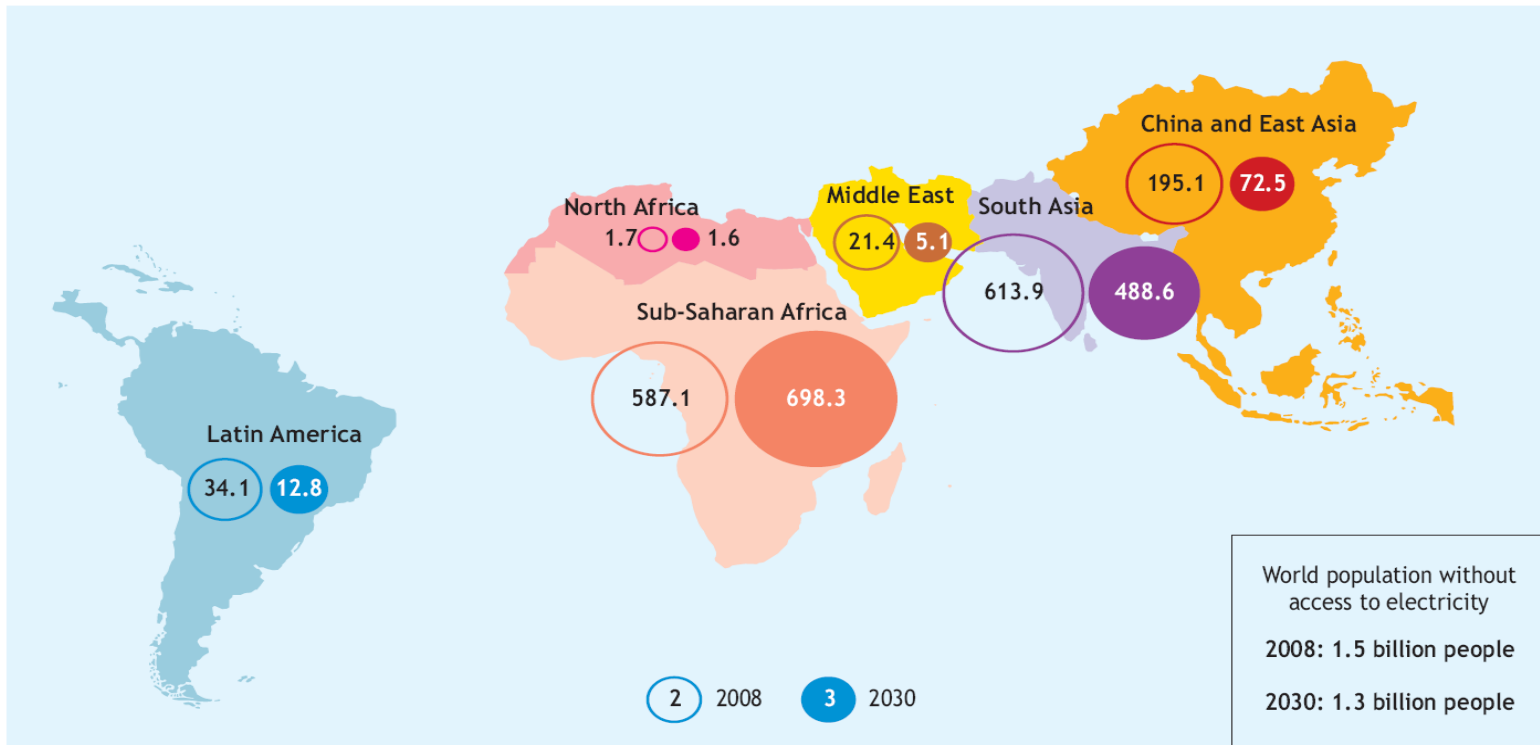
we need another
600 million jobs
in the next decade

currently
1% leads to **0.3%**
GDP growth to 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

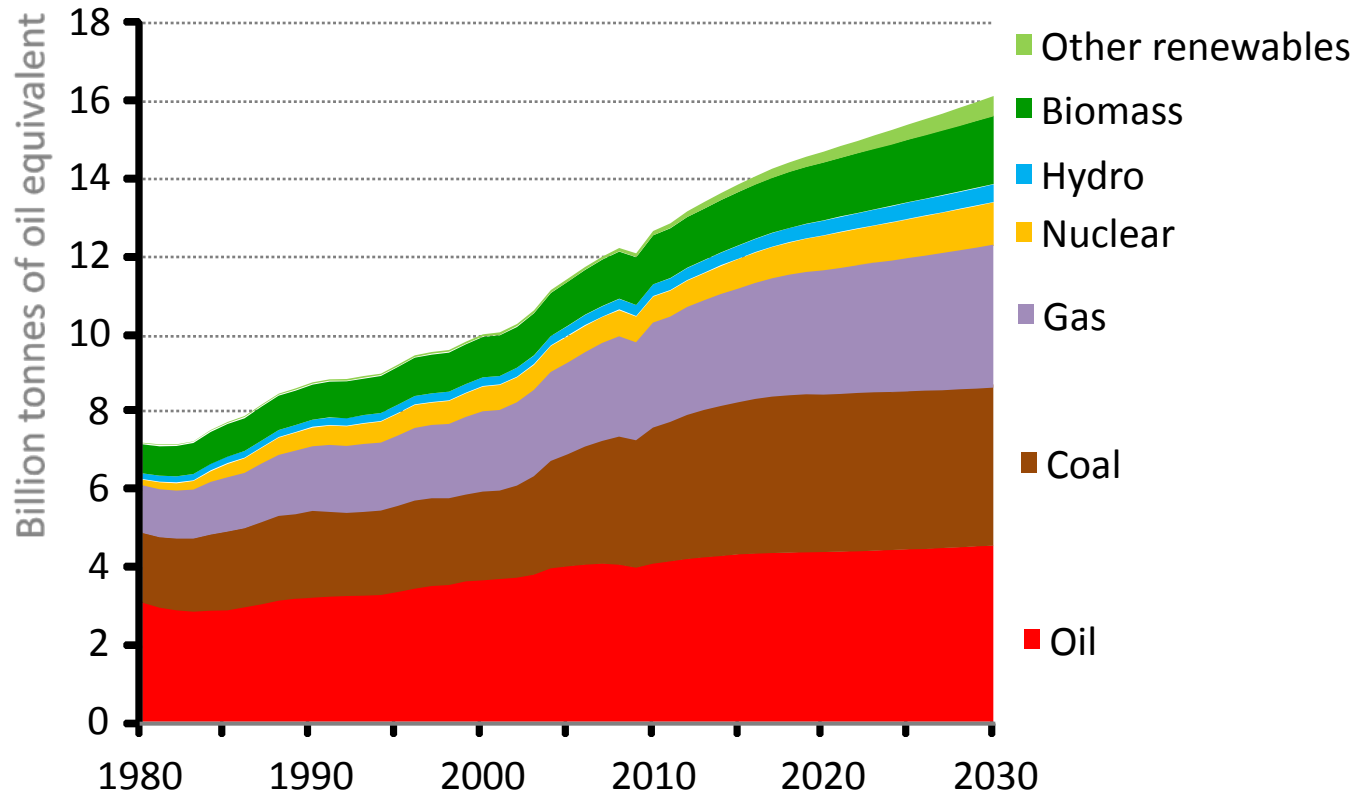


The boundaries and names shown and the designations used on maps included in this publication do not imply official endorsement or acceptance by the IEA.

Source: IEA, 2009

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



2012 INTERNATIONAL YEAR OF SUSTAINABLE ENERGY FOR ALL

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

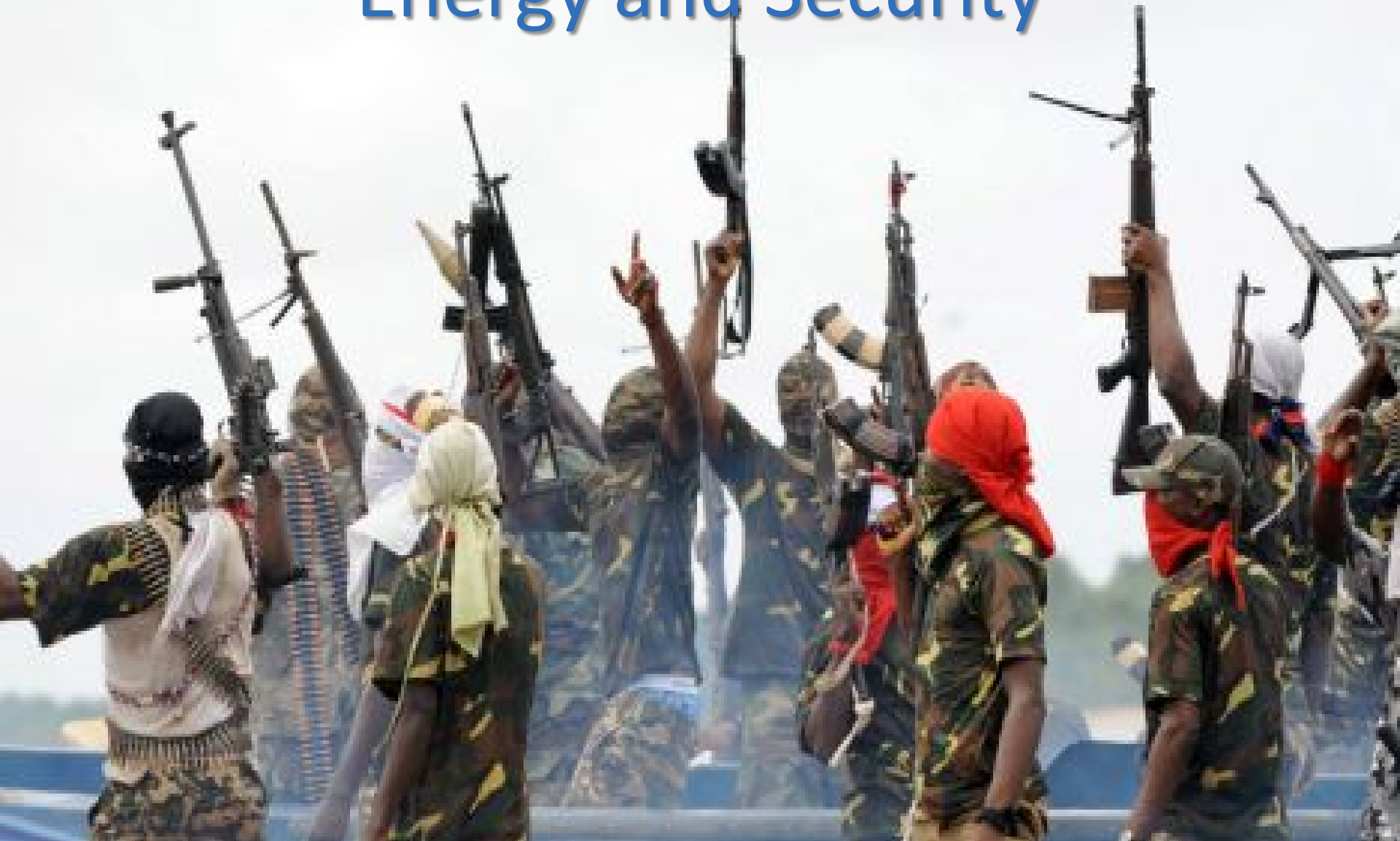
- **Clean cooking solutions**

Need USD 74-100 Billion by 2030

Need USD 20 Billion for LPG

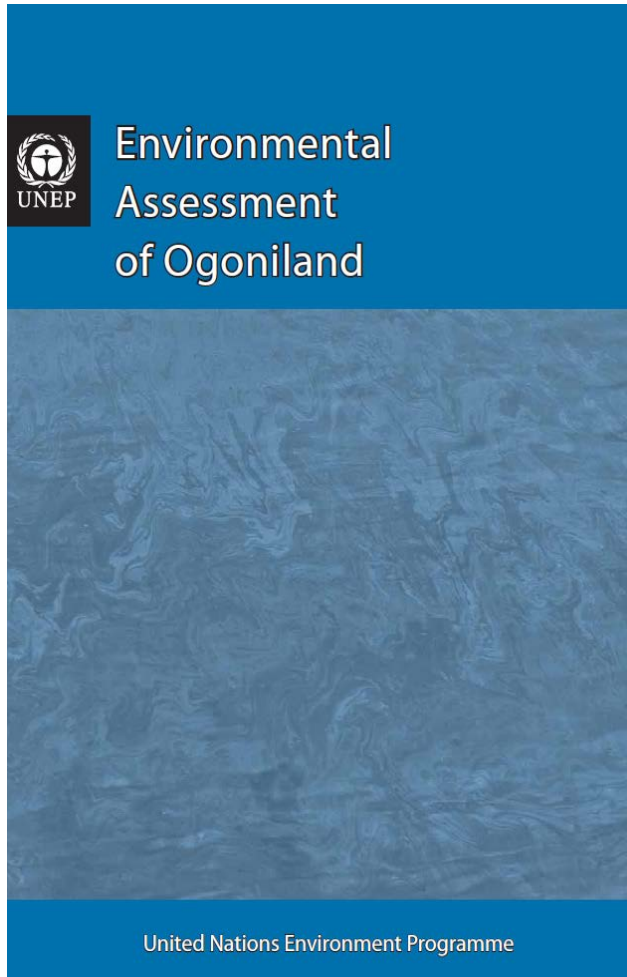
- to reach 220 million households
- to reduce 2 million premature deaths per year
- to save 20 hours per week labour for women and children

Energy and Security



Movement for the Emancipation of the Niger Delta

Energy and Security





partner for prosperity

www.unido.org