

WORLD ENERGY OUTLOOK

2
0
1
1

Energy for all: financing access for the poor

IEA Conference, Paris, 13 May, 2011

- A full update of energy projections to 2035
 - > Oil markets – deferred investment scenario
 - > Low nuclear case

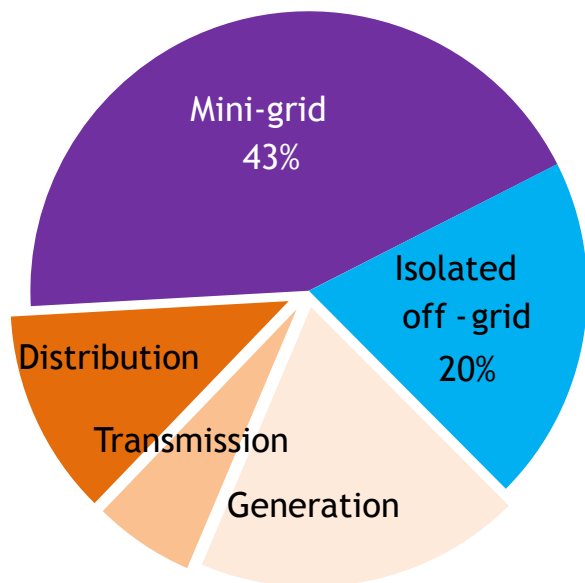
- Objective & comprehensive analysis of topical issues:
 - > “Golden Age of Gas?”
 - > Financing energy access for all
 - > Country focus on Russia
 - > Coal – in-depth market outlook
 - > Climate change – “lock-in” & the “room to manoeuvre” to meet the 2°C goal
 - > Energy subsidies

- The World Energy Outlook has consistently focused attention on the energy & development debate for over a decade
- Latest contribution : WEO 2010 – “Energy Poverty: How to make modern energy access universal? “– a joint project by the IEA, UNDP & UNIDO presented at the UN Millennium Development Goals (MDG) Summit
- So far the WEO has assessed:
 - The size of the challenge – how many people need access
 - The cost of achieving universal energy access to modern energy services
- ...and now?
 - We need to identify a new architecture for financing universal modern energy access

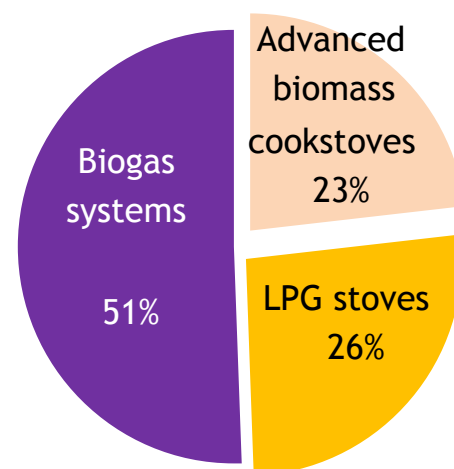
Investment needs for universal modern energy access by 2030

WORLD ENERGY OUTLOOK 2011

Universal electricity access
annual \$33 billion

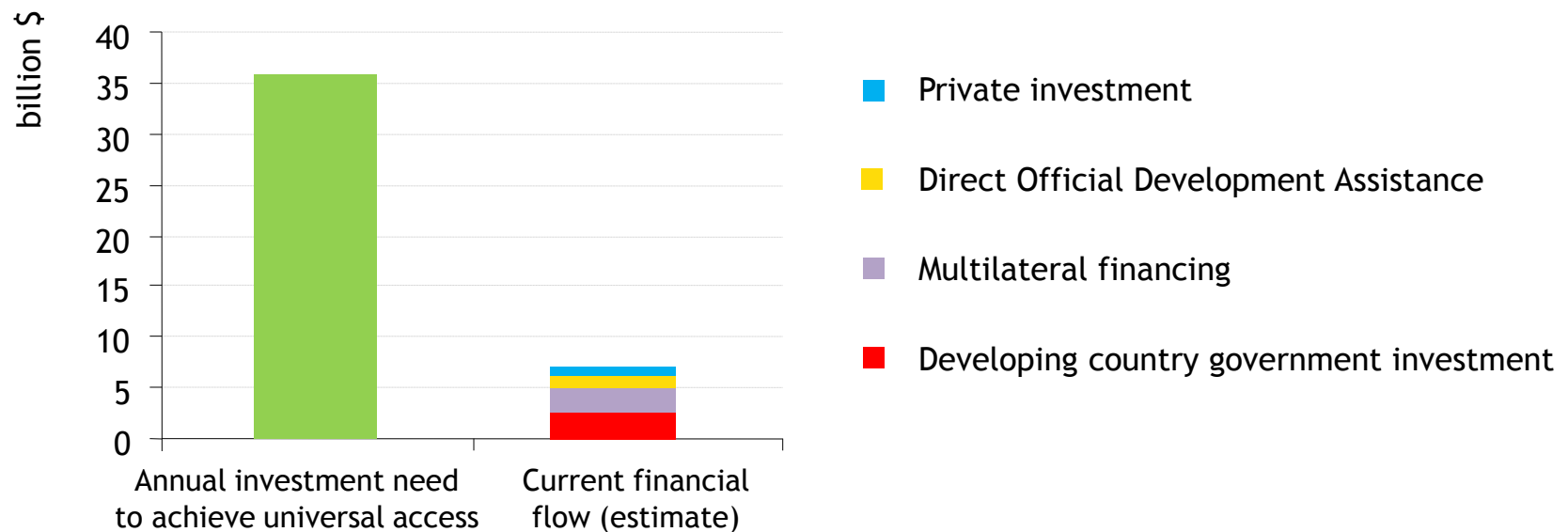


Universal access
to clean cooking facilities
annual \$3 billion



Achieving the more ambitious goal of universal modern energy access by 2030 requires investment of only \$36 billion per year over the next two decades

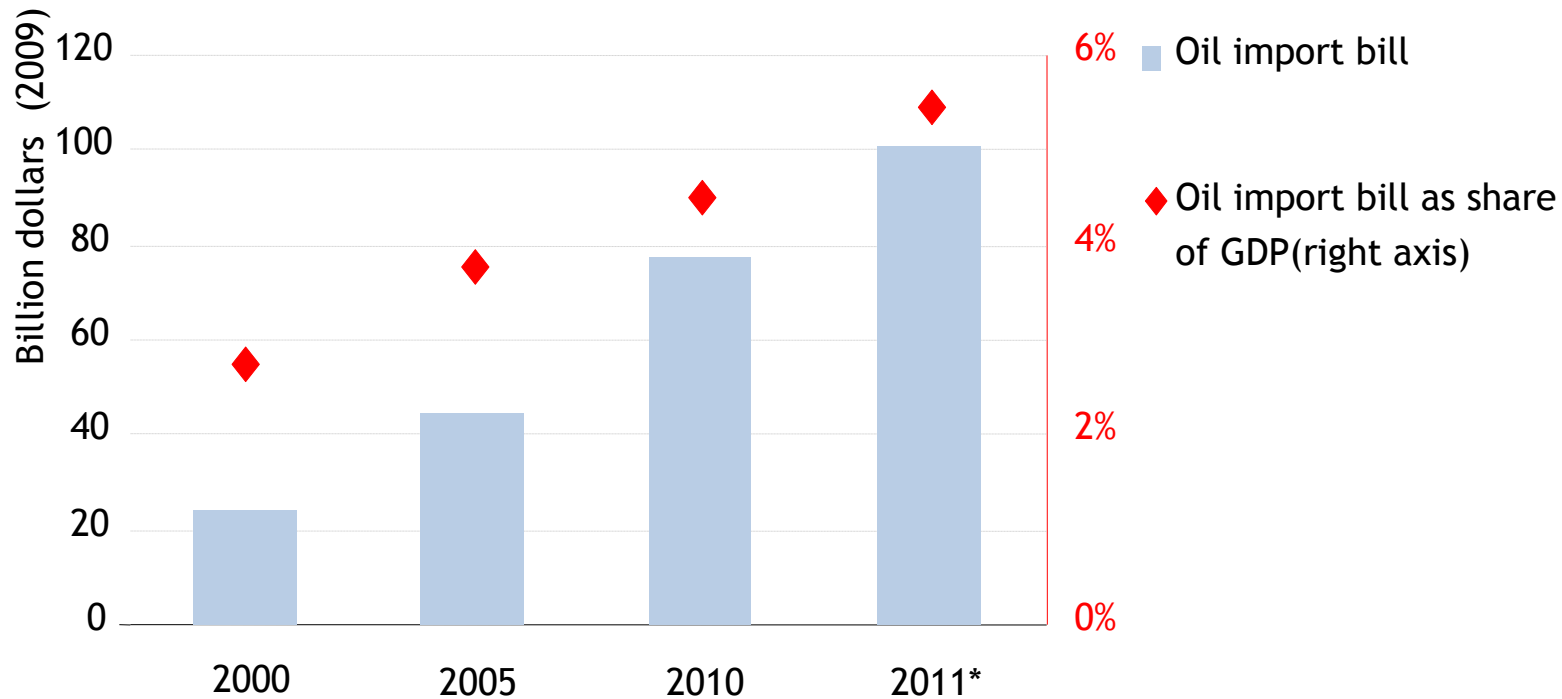
Next step : mind the “gap”!



Our preliminary estimates suggest that the current flow is only 1/5 of what is needed. As this will be a key message of WEO 2011, we would be grateful for your input to help us refine the estimate

Spending on oil imports by oil-importing less developed countries

**WORLD
ENERGY
OUTLOOK** 2011



The adverse economic impact of higher oil prices on oil-importing developing countries is generally even more severe than for OECD countries

* 2011 Estimated (average annual oil price assumption: 100\$/barrel)

WEO 2011: *Energy for all: focus on financing*

WORLD 2
ENERGY 0
OUTLOOK 1

- Special WEO-2011 excerpt “Financing energy access for all” - will be published and presented to a special high-level meeting - “The Oslo Conference” - hosted by the Government of Norway on 10/11 October 2011.
- International momentum is increasing in this area, and it links into other important debates
 - 2012 – UN “International year of sustainable energy for all”
 - UN Conference for Sustainable Development (RIO +20)
 - G20 looking at infrastructure investment in developing countries
 - Related negotiations on climate financing – UNFCCC COP 17 Durban
- Objectives of this conference:
 - Seek views on focus of WEO-2011 and where our analysis can add value
 - Results of the meeting will help shape the key findings & messages of the WEO-2011 excerpt on energy and poverty
 - Identify the key messages the WEO-2011 should deliver to the international debate on energy, development and climate in Oslo, Durban, Rio and beyond

Today's agenda

- **Special address:** "Energy Access and The Rio+20", Ambassador Cristina Narbona Ruiz, Spain

- **Session 1: Identifying what works – Successes in financing energy access**
 - Chair: Dr. Mohamed T. El-Ashry , Senior Fellow, United Nation Foundation
 - Presentation: Mr. Ismail Ali Khan, Joint Adviser, Planning Commission, India
 - Presentation: Mr. Olav Kjørven, Assistant Secretary-General and Director, UNDP
 - Presentation: Mr. Andrew Barfour, Director, Energy Development and Access Project, Ministry of Energy, Ghana

- **Session 2: Leveraging private sector finance and expertise to deliver energy access**
 - Chair: Dr. Leena Srivastava, Executive Director, The Energy and Resource Institute
 - Presentation: Dr. Steve Lennon, General Manager, Eskom
 - Presentation: Mr. Assaad Saab, Vice President, International Affairs, EDF
 - Presentation: Mr. Binu Parthan, Deputy Director General , REEEP

- **Special address:** "Energy access - the complementary roles of the public and private sectors", Ms. Eli Blakstad, State Secretary, Ministry of Petroleum and Energy, Norway

Today's agenda

2/2

- **Session 3: Government and non-governmental sector financing – what is being done and what more can be done?**
 - Chair: Ambassador Irene Freudenschuss-Reichl, Austria
 - Presentation: Ms. Hela Cheikhrouhou, Director, Energy ,Environment &Climate Change Department, African Development Bank
 - Presentation: Dr. Lucio Monari, Director, World Bank
 - Presentation: Mr. Samuel Tumiwa, Principal Specialist, Asian Development Bank
- **Special address:** Mr. Sanjit Bunker Roy, Director, Barefoot college
- **Session 4: Designing and delivering a new architecture for financing energy access**
 - Chair: Mr. Petter Nore, Director, Energy Department, NORAD
 - Presentation: Mr. Rachid Bencherif, Senior Planning Analyst, OPEC Fund for International Development
 - Presentation: Mr. Mark Dominik, Vice-president, Deutsche Bank Group
 - Presentation: Mr. Bazilian Morgan, Special Advisor on Energy, UNIDO
- **Summary and conclusions**