

Energy for Development:

Measurement, **Finance**, Infrastructure, and a Campaign



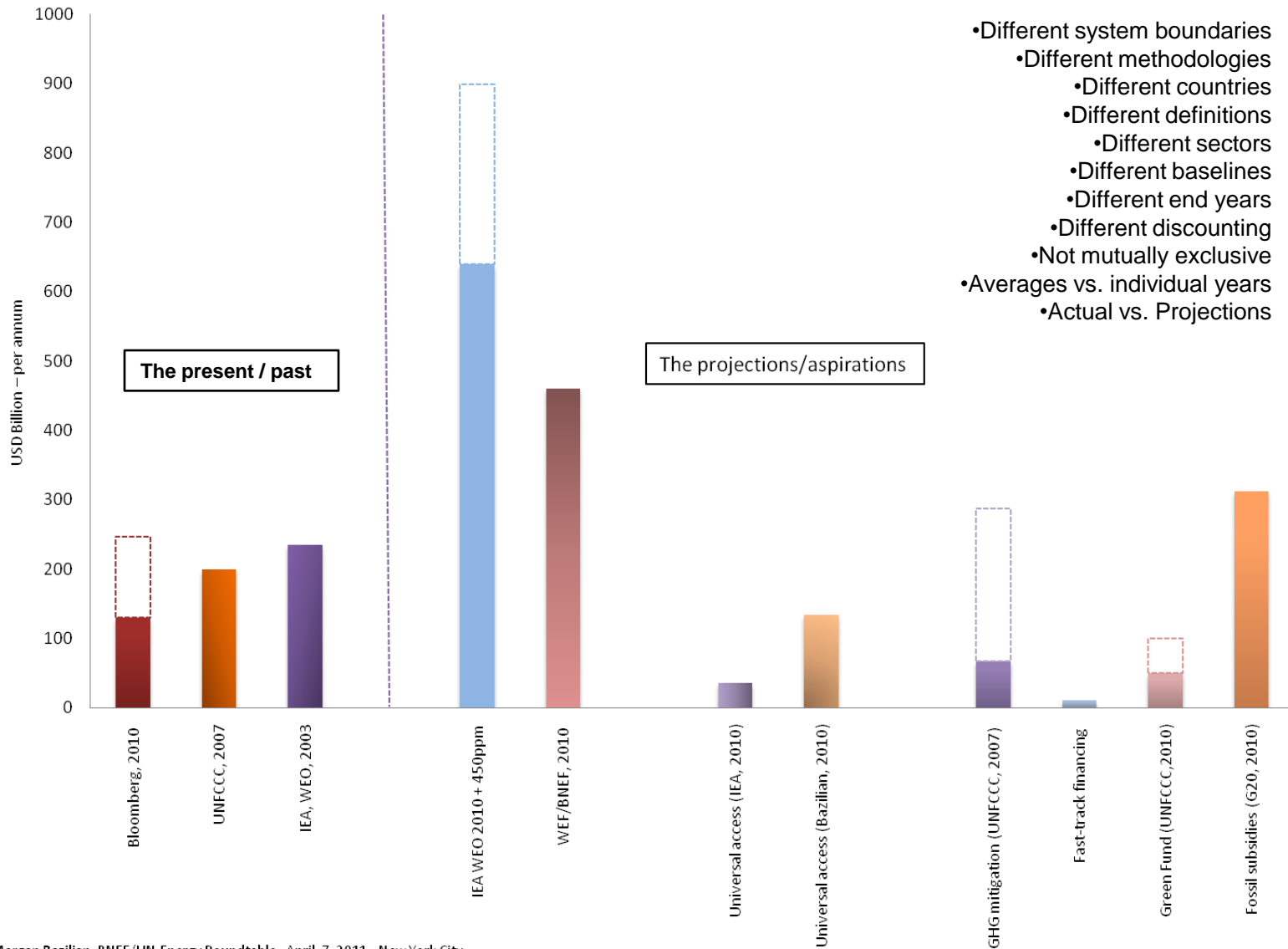
Morgan Bazilian, UNIDO

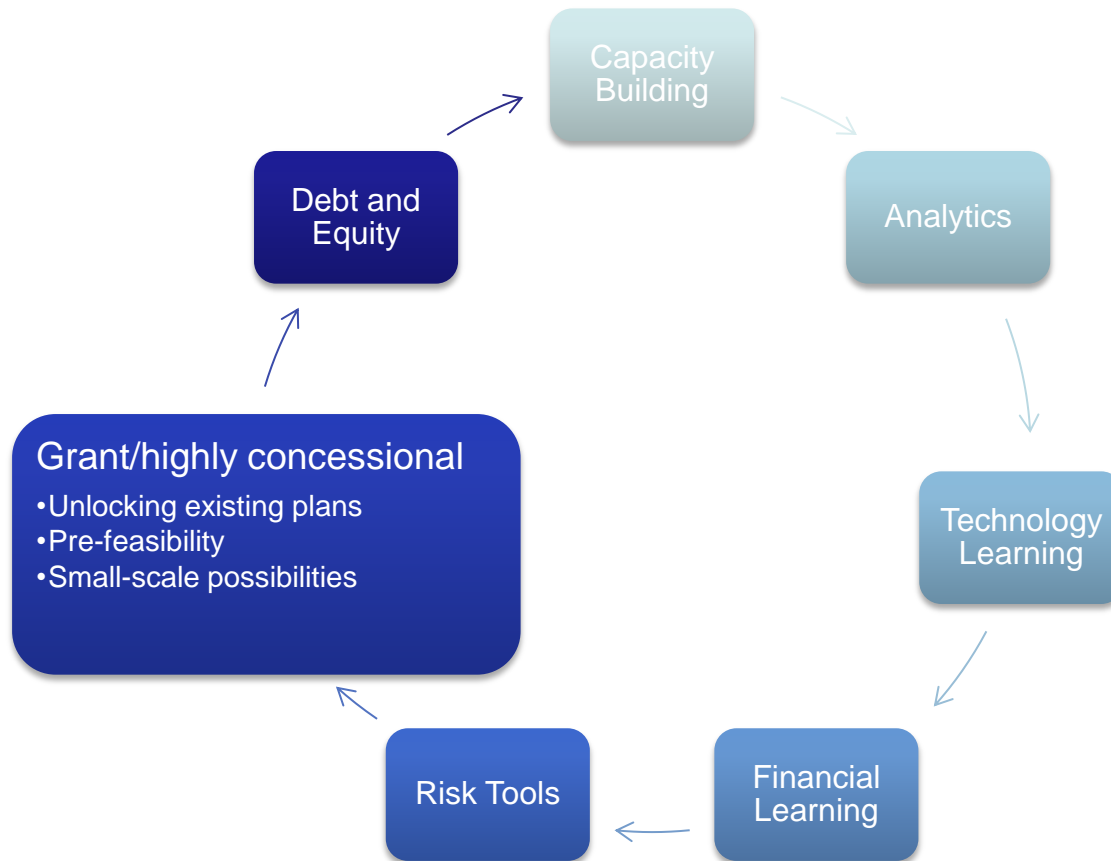
May 13, 2011 :: IEA WEO Workshop :: Paris, France

“Beautiful” Numbers...

...but difficult to interpret and compare:

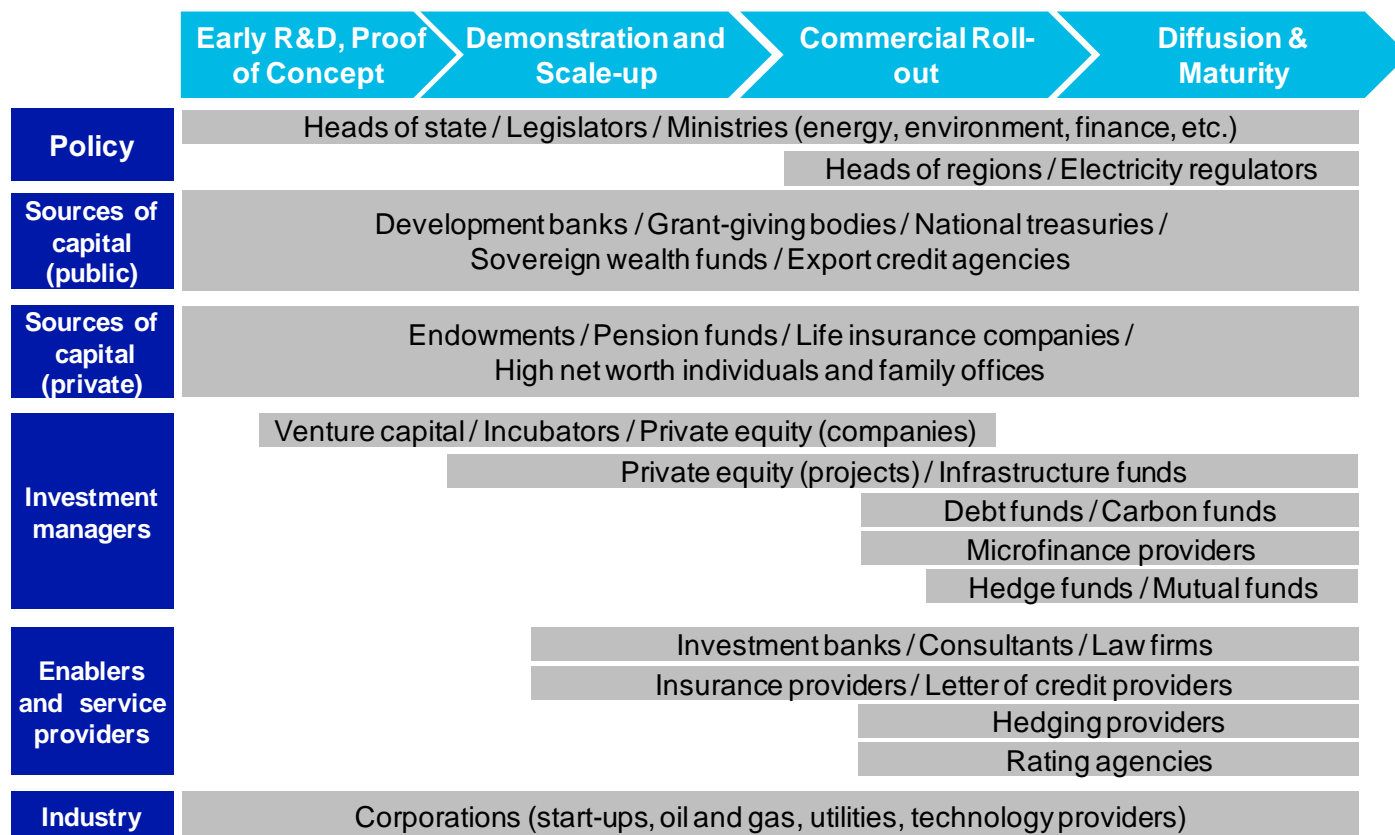
- Different system boundaries
- Different methodologies
 - Different countries
 - Different definitions
 - Different sectors
 - Different baselines
 - Different end years
 - Different discounting
- Not mutually exclusive
- Averages vs. individual years
- Actual vs. Projections





We don't have to have some 'grand' international architecture. The variations in situations is vast. The public role is central (we are allowed to recognise this)– and not just in cliché (leveraging private finance).

'Wiring diagram' of finance stakeholders



Source: Bloomberg New Energy Finance (the Boathouse sessions, 2011)

International support for national/regional action

- **Empower and Implement National and Regional Action Plans**
 - Many good plans exist!
 - Finance needed at design and early- implementation stage
 - Energy planning tools exist
- **Massively scale-up useful business, regulatory and policy models**
 - Models exist – Morocco, Vietnam, Ghana, South Africa, etc.
 - Develop SME markets
 - In-country manufacturing possibilities
- **Establish risk finance instruments at scale**
 - Rely on MDBs, national development finance, ExIm, etc.– with augmentation
 - Pilot on key large scale projects in pipeline
 - Utilities have key leadership role here
- **Address power system design and distributed generation in parallel**
 - Infrastructure funds at different scales – recognise need for large public role here.
 - Solutions required for rural, but also urban and peri-urban
- **Train/educate people and build good institutions**
 - Policies cannot be implemented in a void
 - Financiers also need training
 - Looking beyond basic needs
- **Take advantage of political momentum**
 - Many initiatives – ensure some coherence
 - Topical subjects change rapidly
 - Don't rely solely on poverty or climate as drivers

UN General Assembly Resolution 65/151

2012 International Year of **Sustainable Energy for all**

IEA WEO 2011 & Oslo Conference (2011)

Key foundations of the “Action Agenda”



UN Energy Access Facility (UN-EAF)

*Expanding access to modern and clean energy services
for the poor “beyond the grid”*

