INTERNATIONAL RENEWABLE ENERGY AGENCY

IRENA

International Renewable Energy Agency

Renewable Energy Technology for Rural and Remote/Island Areas

Global Perspective

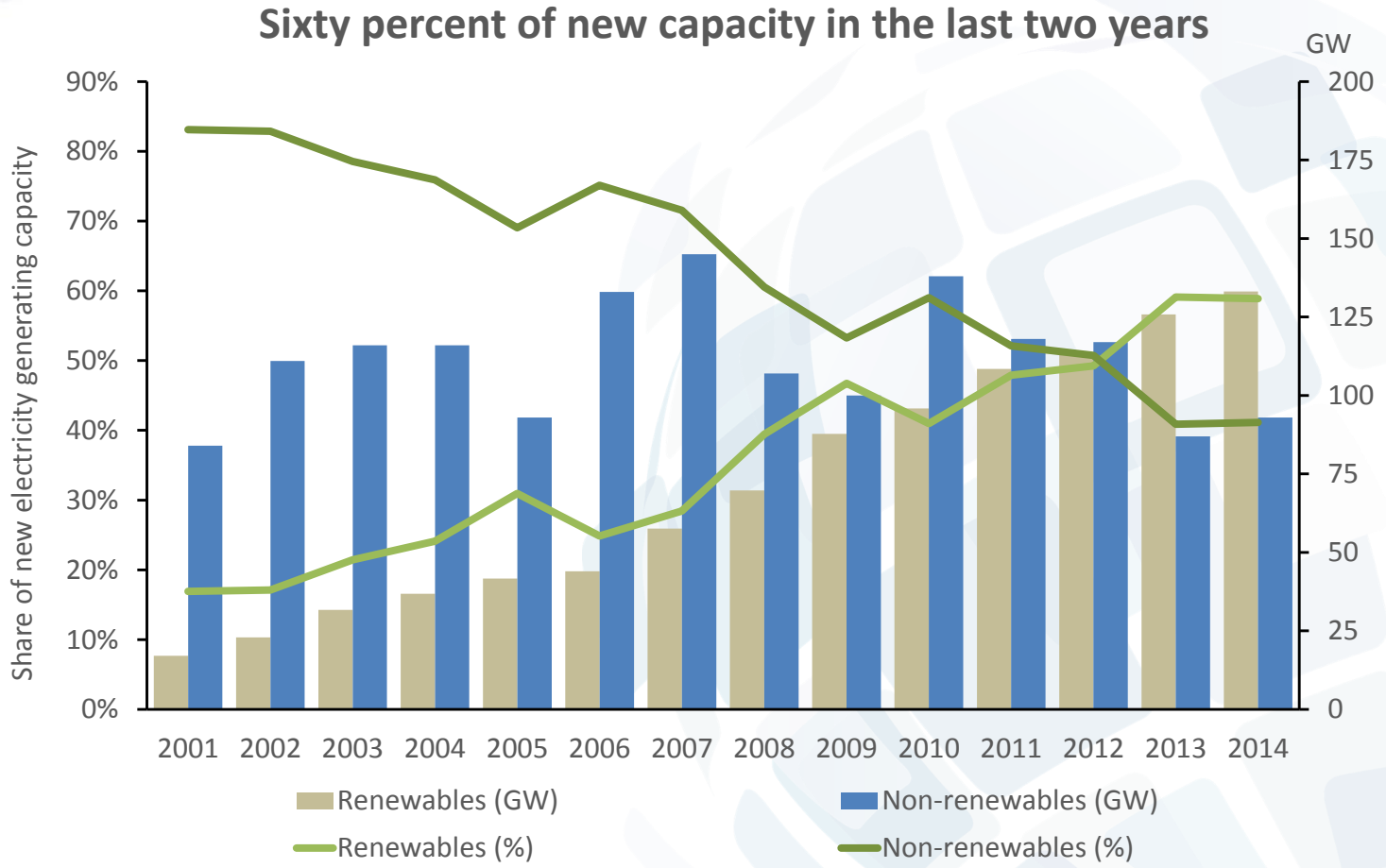
Bangkok, 21 June 2016

Global Trend
Renewable Energy Development

2015: a record year for renewables

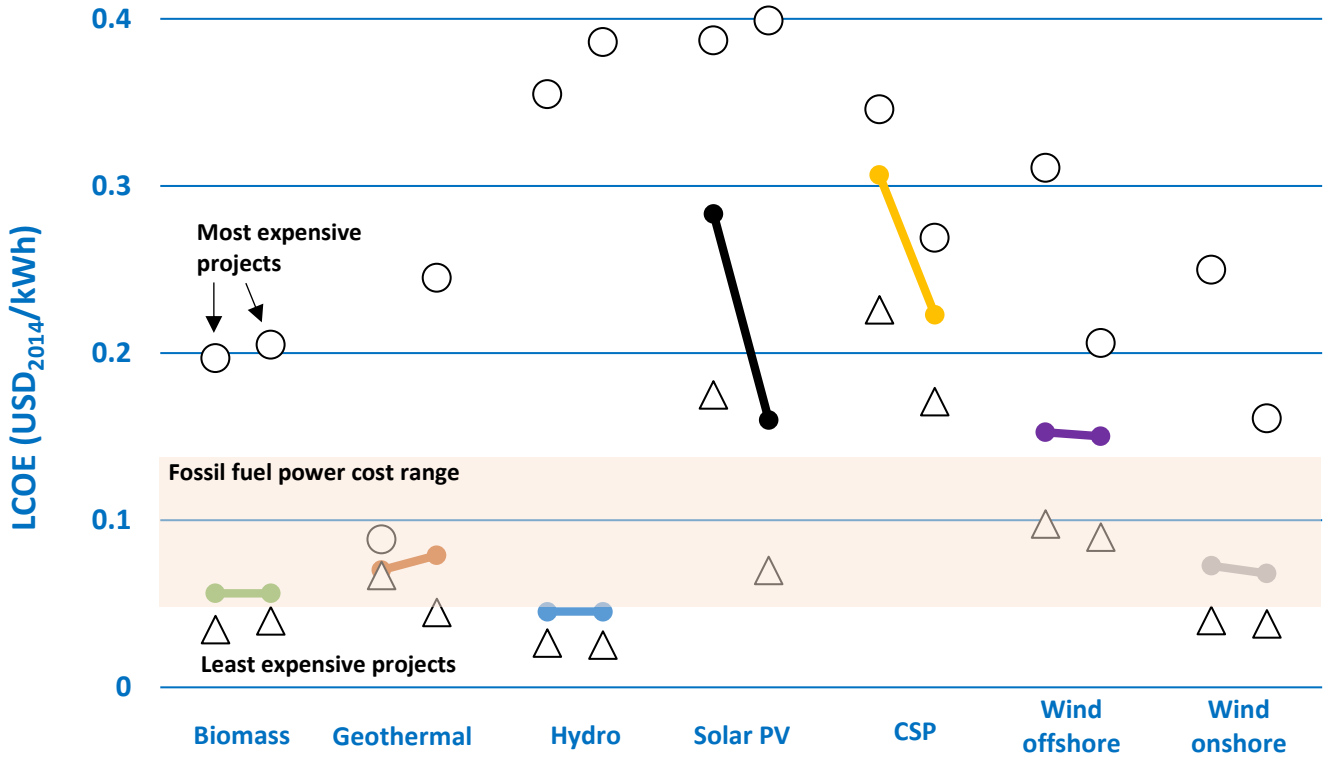
- **156 GW of renewable energy capacity** added, including **51 GW PV, 64 GW wind power,** representing more than half of the global added power generation capacity
- Investment into renewables, excluding large hydro, has risen from USD 55 billion dollars in 2004 to **more than USD 285 billion in 2015**, at an annual growth of over 16%
- Solar **PV USD 29/MWh** in Dubai; **wind USD 40/MWh** in Egypt
- The wide adoption of the **Paris Agreement**
- **Emissions from the energy sector trends to flatten out** largely attributable to the increased use of renewables

Renewables investments have overtaken non-renewables



2015 record year in installations of solar PV (51 GW) and wind (64 GW)

Falling costs of renewables



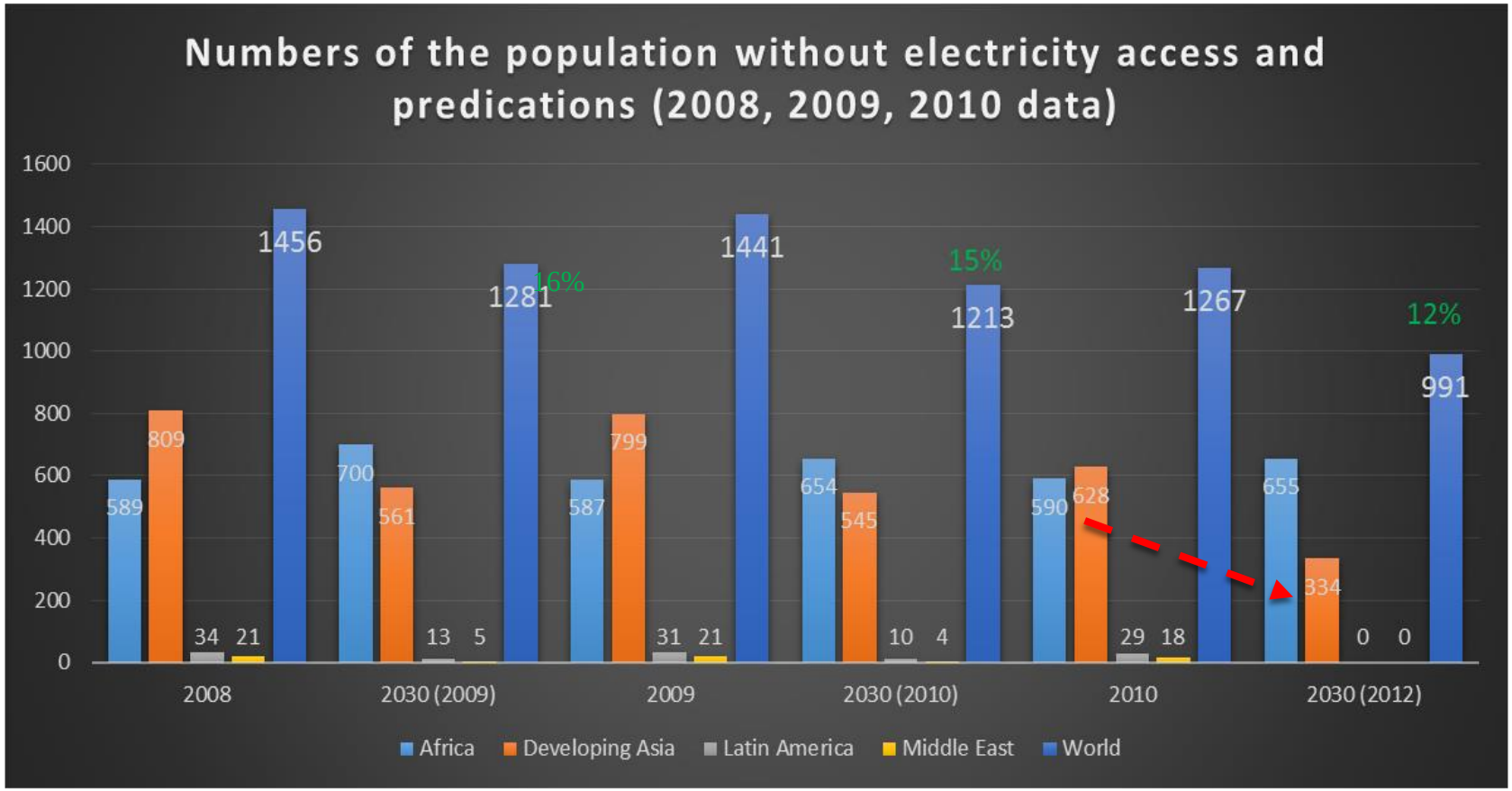
Left side: 2010
Right side: 2014

Solar PV module prices have dropped by more than three-quarters since 2010, while global wind turbine prices have declined by around 30% since the same year

What does it mean to rural and remote areas?

The Challenge

- By 2030, despite of 1.7 billion of new electricity users, still about 1 billion people without access to electricity
- By 2050, energy demand is set to more than double



The Main Grids