

# International Processes supporting RE in Africa

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**Bread for the World**

25.02.2016

**Bread for the World – Protestant Development Service**  
Low Carbon Development and 100% RE in Tanzania

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**SUSTAINABLE ENERGY  
FOR ALL**

**AREI**  
Africa Renewable Energy Initiative



**SUSTAINABLE  
DEVELOPMENT  
GOALS**



Transforming Africa towards a renewable  
energy powered future with access for all



**IRENA**  
International Renewable Energy Agency  
Renewable Energy  
Policy Network  
for the 21st Century



**PARIS 2015**  
UN CLIMATE CHANGE CONFERENCE  
**COP21·CMP11**



**REN21**



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# SUSTAINABLE ENERGY FOR ALL

Sustainable Energy for All is focused on achieving three objectives



Universal Energy Access



Renewable Energy



Energy Efficiency

**Table 2: Tanzania's SE4ALL targets under each goal**

Universal access to modern energy services		Doubling global rate of improvement of energy efficiency		Doubling share of renewable energy in global energy mix	
Percentage of population with electricity access	Percentage of population with access to modern cooking solutions	Rate of improvement in energy intensity	Renewable energy share in Total Final Energy Consumption		
			Power	Heat	
>75%	>75%	-2.6% per year <sup>67</sup>	>50%	>10%	

from: [http://www.se4all.org/sites/default/files/Tanzania\\_AA\\_EN\\_Released-2.pdf](http://www.se4all.org/sites/default/files/Tanzania_AA_EN_Released-2.pdf)

# SUSTAINABLE DEVELOPMENT GOALS



- **1st-ever universal goal on energy** to ensure access to affordable, reliable, sustainable and modern energy **for all**.
- **Energy is central to nearly every major challenge and opportunity the world faces today.** Be it for jobs, security, climate change, food production or increasing incomes, access to energy for all is essential.

7.1 by 2030 ensure universal access to affordable, reliable, and modern energy services	50. Share of the population using modern cooking solutions, by urban/rural
	51. Share of the population using reliable electricity, by urban/rural
	7.1. Primary energy by type
7.2 increase substantially the share of renewable energy in the global energy mix by 2030	52. Implicit incentives for low-carbon energy in the electricity sector (measured as US\$/MWh or US\$ per ton avoided CO <sub>2</sub> )
	7.3. Share of energy from renewables
7.3 double the global rate of improvement in energy efficiency by 2030	53. Rate of primary energy intensity improvement
7.a by 2030 enhance international cooperation to facilitate access to clean energy research and technologies, including renewable energy, energy efficiency, and advanced and cleaner fossil fuel technologies, and promote investment in energy infrastructure and clean energy technologies	96. Official development assistance and net private grants as percent of GNI
	95. Domestic revenues allocated to sustainable development as percent of GNI, by sector
	97. Private net flows for sustainable development at market rates as share of high-income country GNI, by sector
7.b by 2030 expand infrastructure and upgrade technology for supplying modern and sustainable energy services for all in developing countries, particularly LDCs and SIDS	7.2. Fossil fuel subsidies (\$ or %GNI)
	51. Share of the population using reliable electricity, by urban/rural
	52. Implicit incentives for low-carbon energy in the electricity sector (measured as US\$/MWh or US\$ per ton avoided CO <sub>2</sub> )

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# IRENA

International Renewable Energy Agency

[www.irena.org](http://www.irena.org)

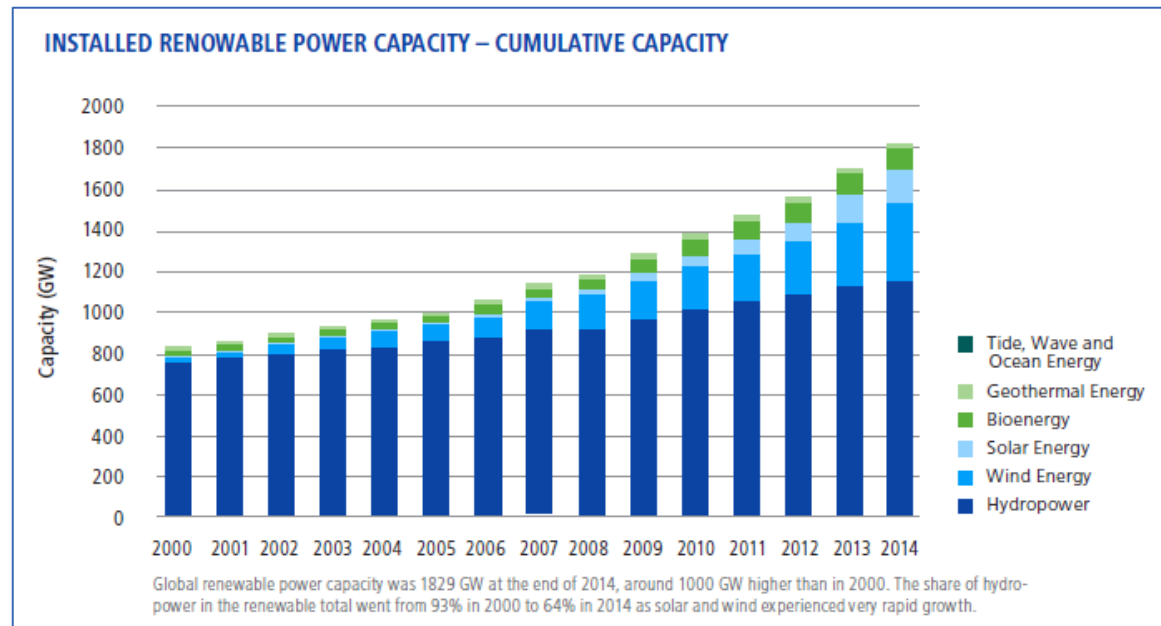
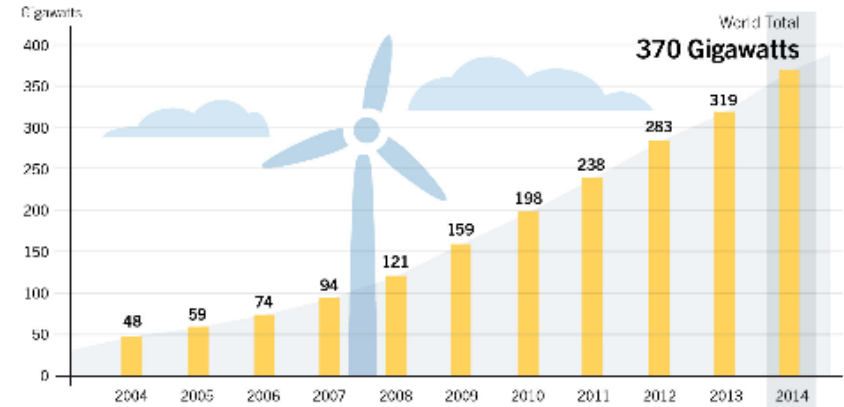


Figure 11: Renewable Energy Capacity Statistics 2015, Source IRENA



www.ren21.net

Wind Power Global Capacity, 2004–2014



REN21 Renewables 2015 Global Status Report



## REN21 Flagship Products



Renewables  
Global Status  
Report



Renewables  
Interactive Map



Regional Status  
Reports



Renewables  
Global Futures  
Report



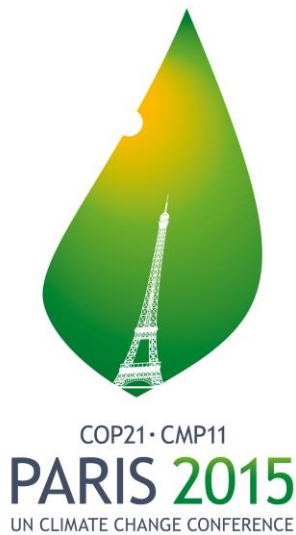
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## Paris Agreement 2015

### Long-Term Goals

- Limit Global Warming well below 2° C and undertake measures not to overstep 1.5° C
- Improve climate resilience
- Move financial streams towards low carbon development

- Countries are invited to communicate a **longer term strategy** by 2020 on how to reduce GHG emissions by 2050 to help achieve the long-term goal.
- Many initiatives were launched to achieve the long-term goals, e.g African Renewable Energy Initiative (AREI)



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# AREI

Africa Renewable Energy Initiative



AREI is a **Africa-owned and Africa-led inclusive effort** to accelerate and scale up the harnessing of the continent's huge renewable energy potential.

Under the **mandate of the African Union**, and endorsed by African Heads of State and Government on Climate Change, the Initiative is set to achieve the following **goals**:

- **Help achieve sustainable development**, enhanced well-being, and sound economic development by ensuring **universal access** to sufficient amounts of clean, appropriate and affordable energy.
- Help African countries **leapfrog to renewable energy** systems that support their low-carbon development strategies while enhancing economic and energy security.

# Thank you!

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