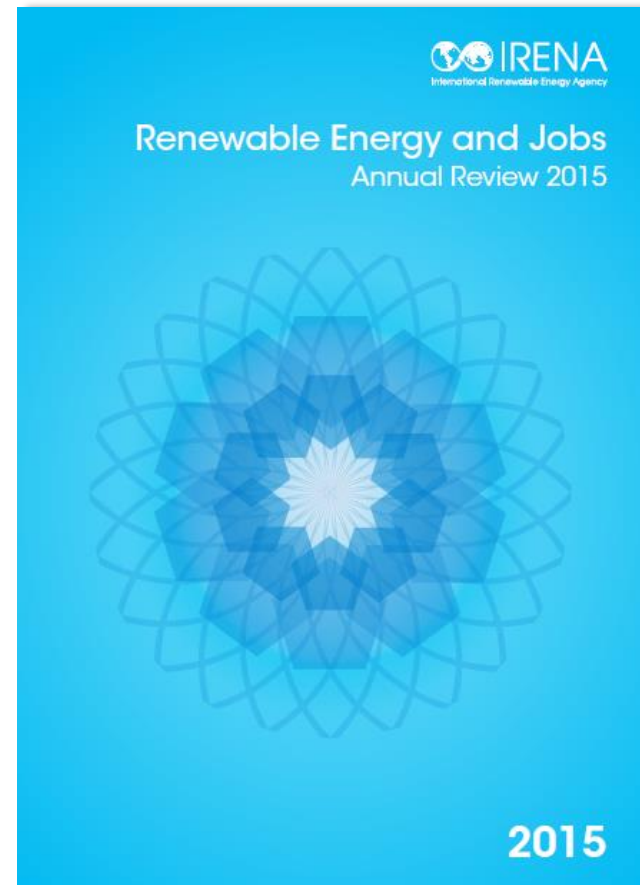
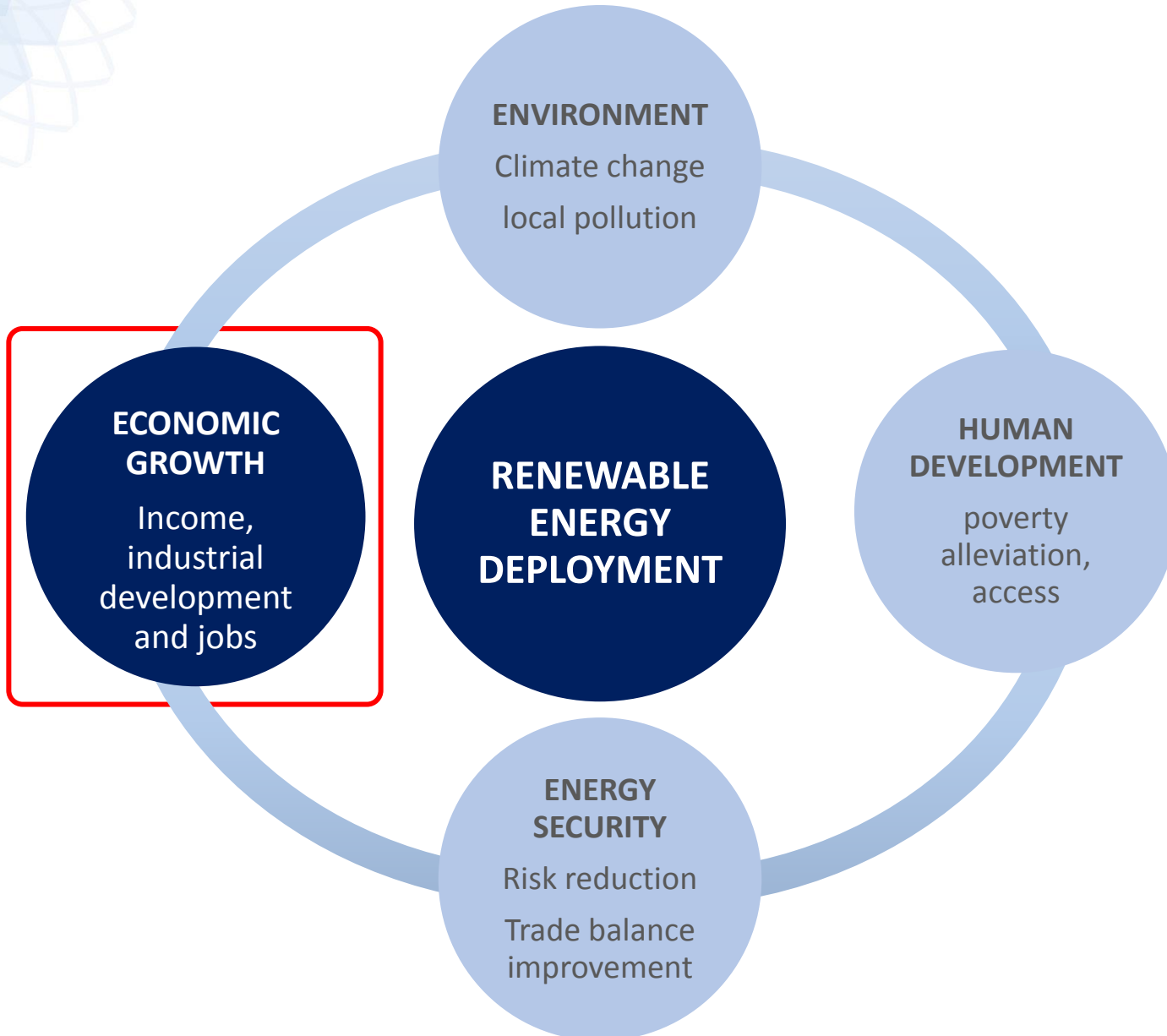


# Renewable Energy and Jobs Annual Review 2015

**SE4JOBS Workshop**  
**10 September, 2015**

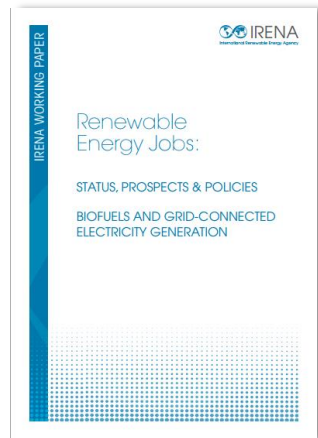


# Benefits of Renewable Energy

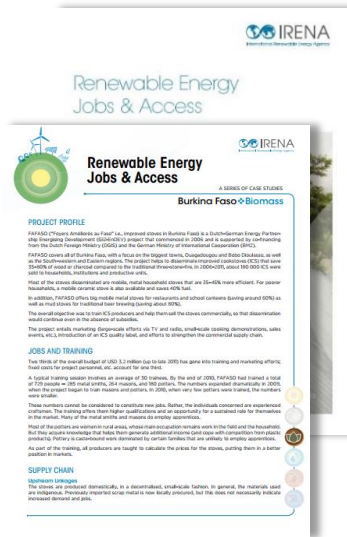


# IRENA's Knowledge Base on Employment

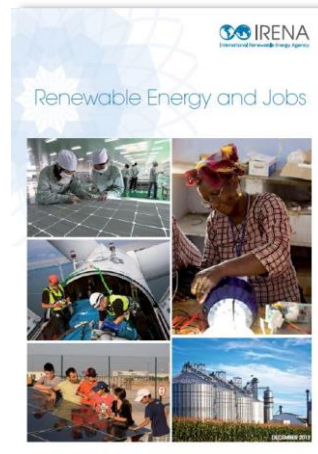
Leading the work on jobs since 2011



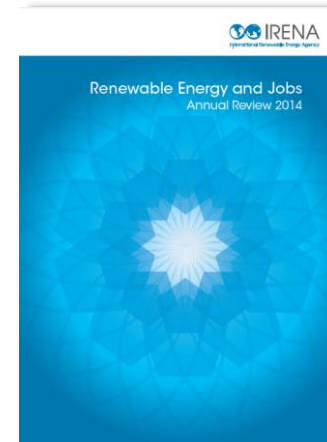
2011



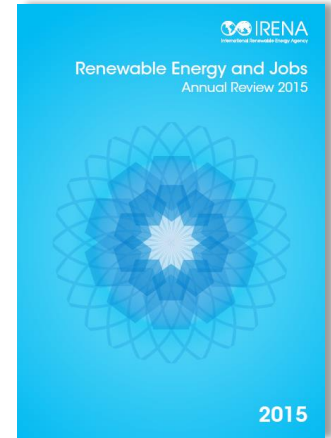
2012



2013



2014



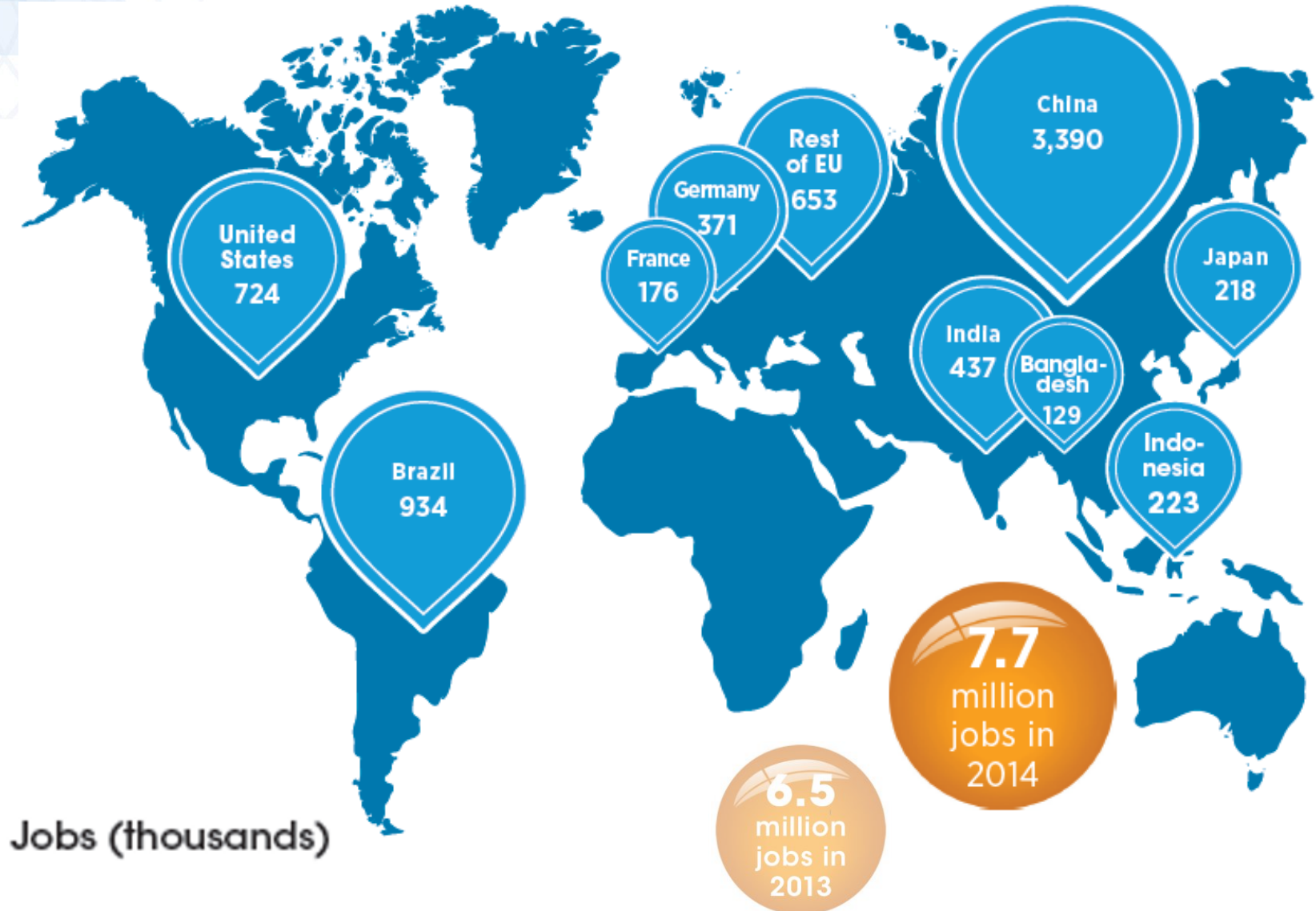
2015



Jobs Sidebar in the *Global Status Report*

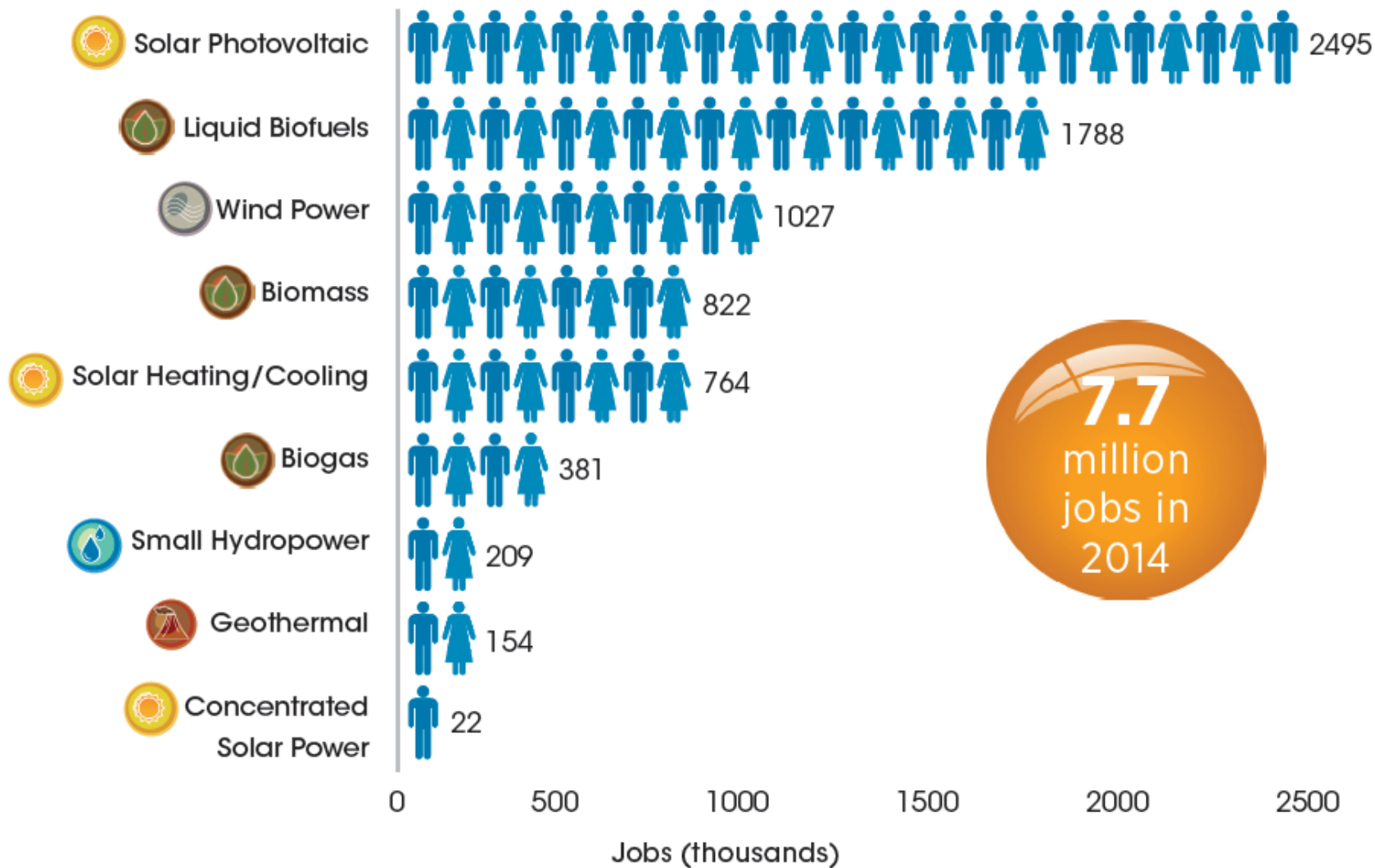
# Renewable Energy Jobs

*Employment in Selected Countries*

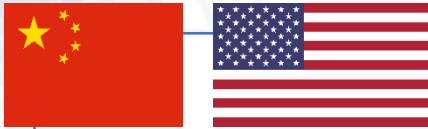


# Renewable Energy Jobs

## Employment by technology



# Renewable Energy Jobs - Solar PV



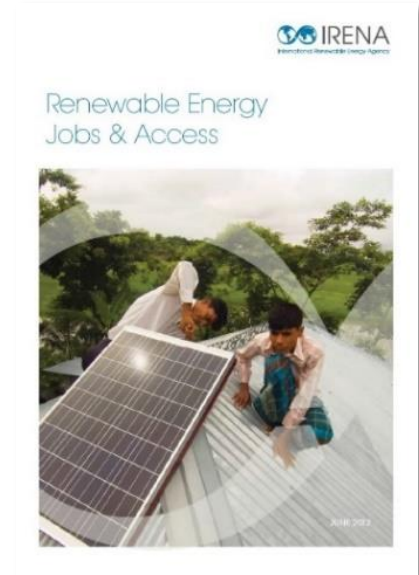
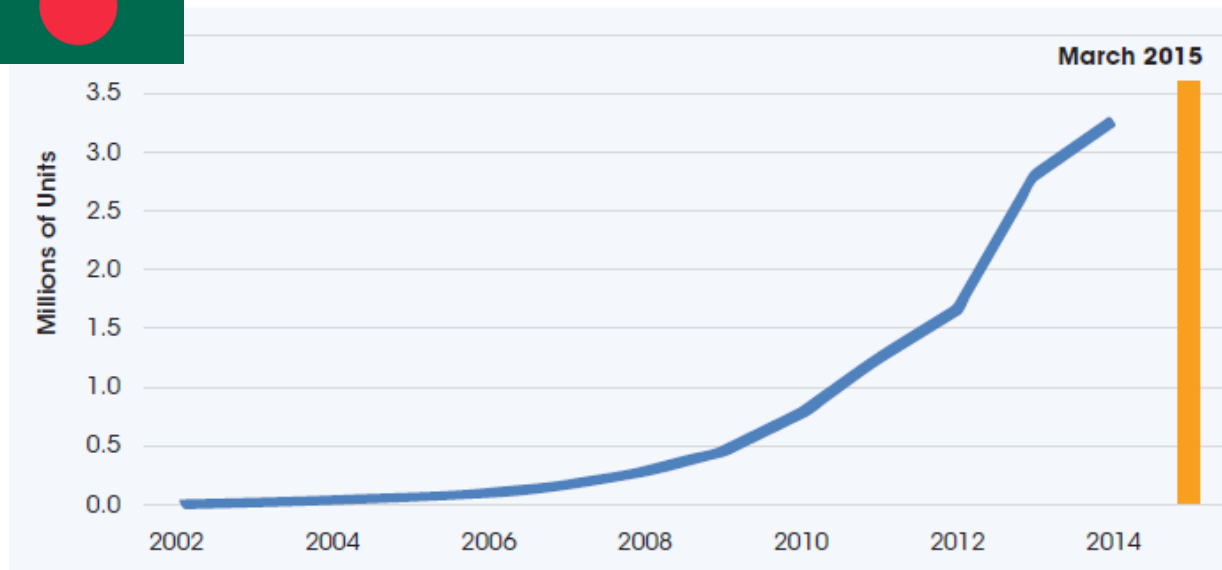
**China** is the global leader  
**US** employment in solar up by 20%



Solar PV employment in **Japan**  
tripled between 2012 and 2013

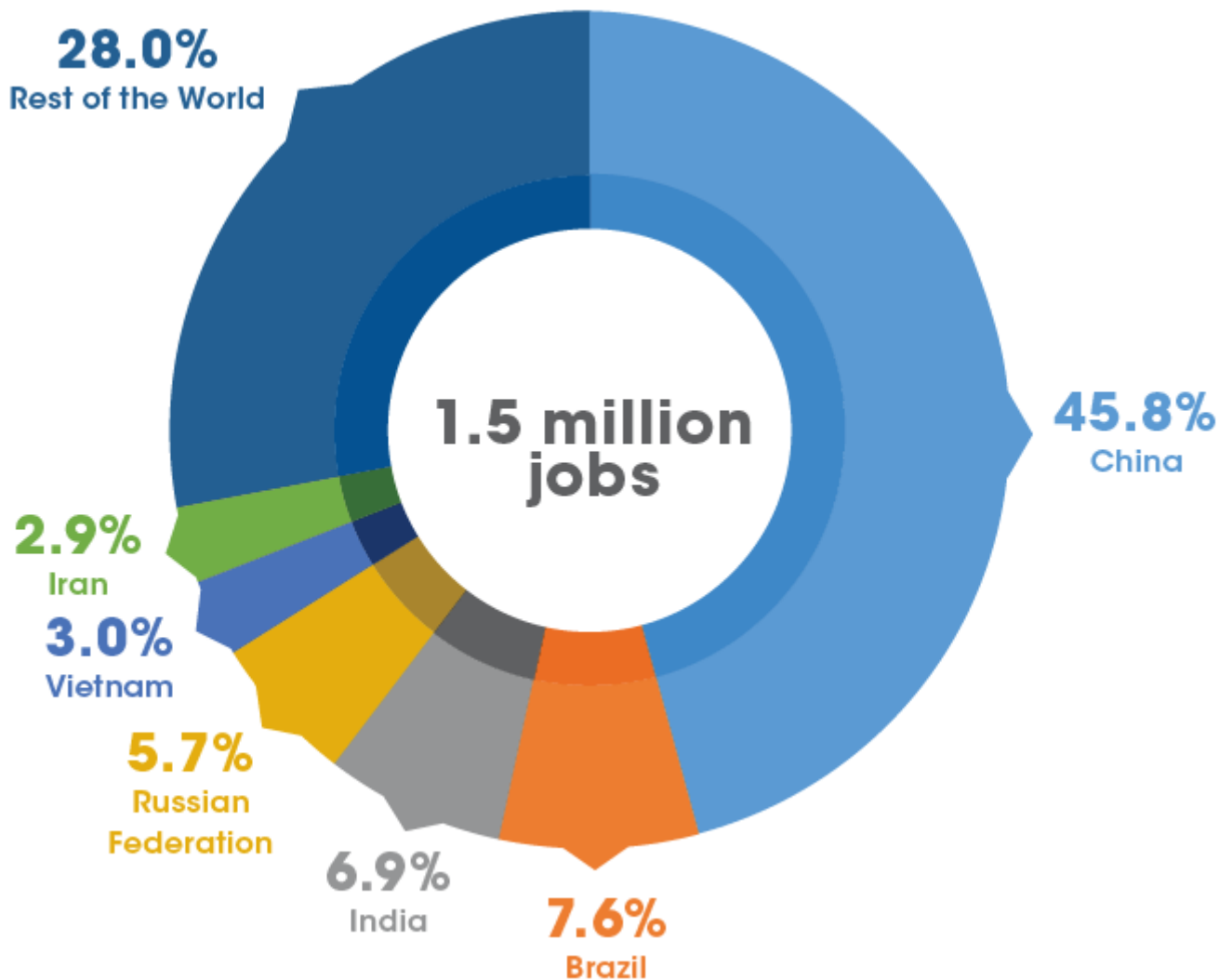


**Energy Access: 3.8 million solar home systems – 115,000 jobs in Bangladesh**





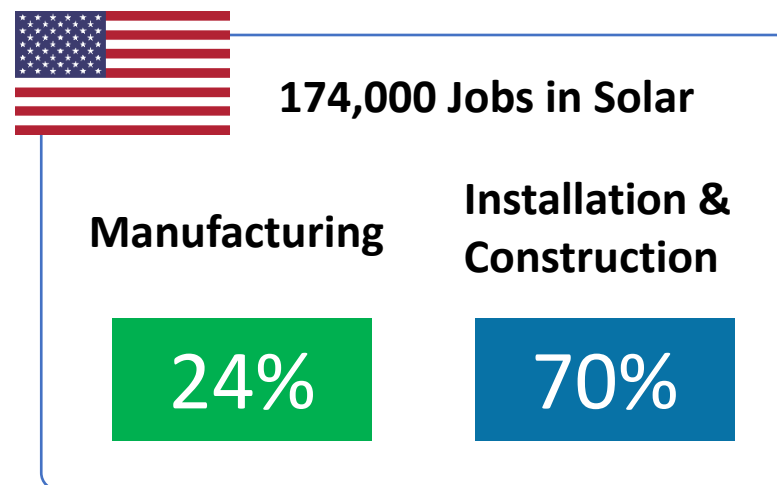
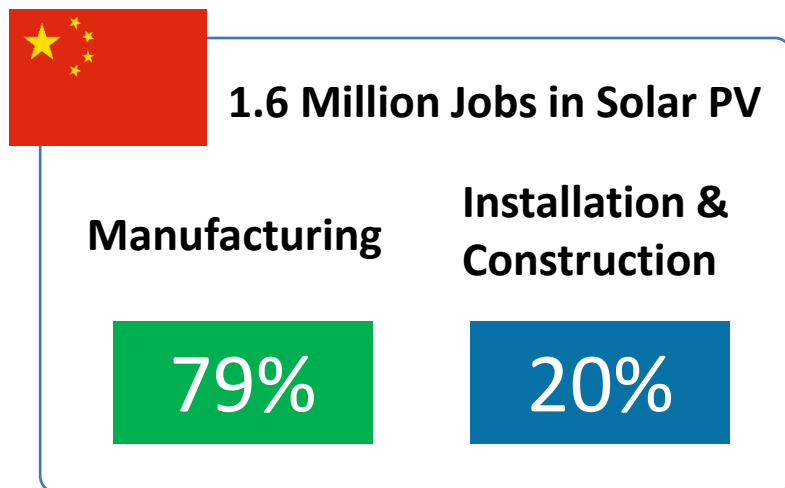
# Renewable Energy Jobs – Large Hydro



# Renewable energy jobs and the segments of the value chain



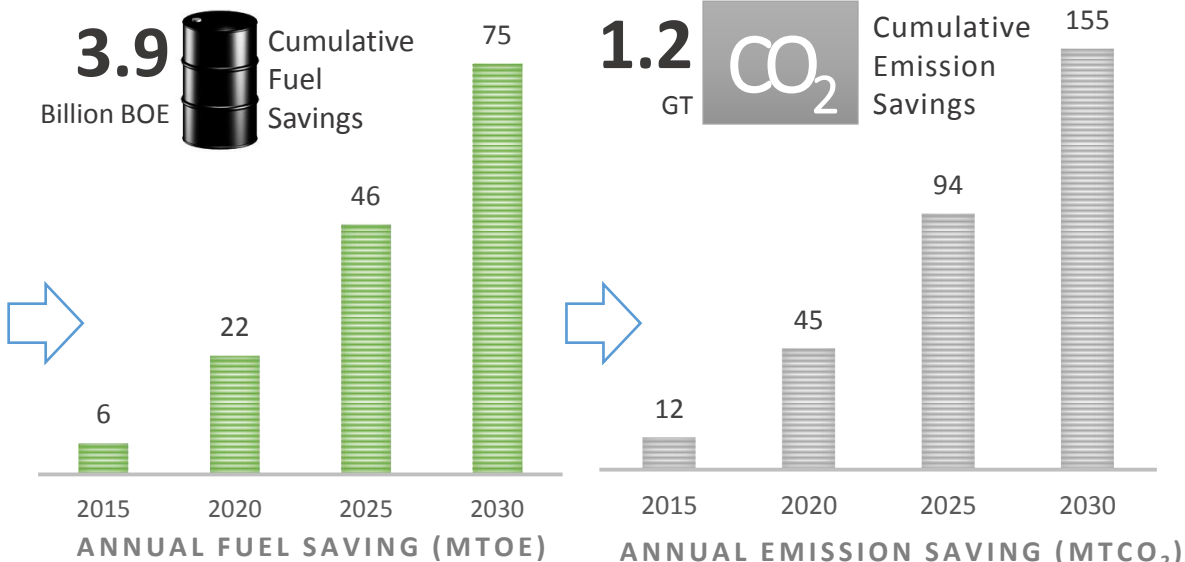
## BREAKDOWN OF EMPLOYMENT BY SEGMENTS OF THE VALUE CHAIN





# Renewable energy benefits in the GCC

	Target	Year
Bahrain	5%	2020
Kuwait	10%	2030
Oman	10%	2020
Qatar	2%	2020
KSA	54GW	2032
UAE		
Abu Dhabi	7%	2020
Dubai	5%	2030



**137,000**  
Jobs Every Year  
(on average)

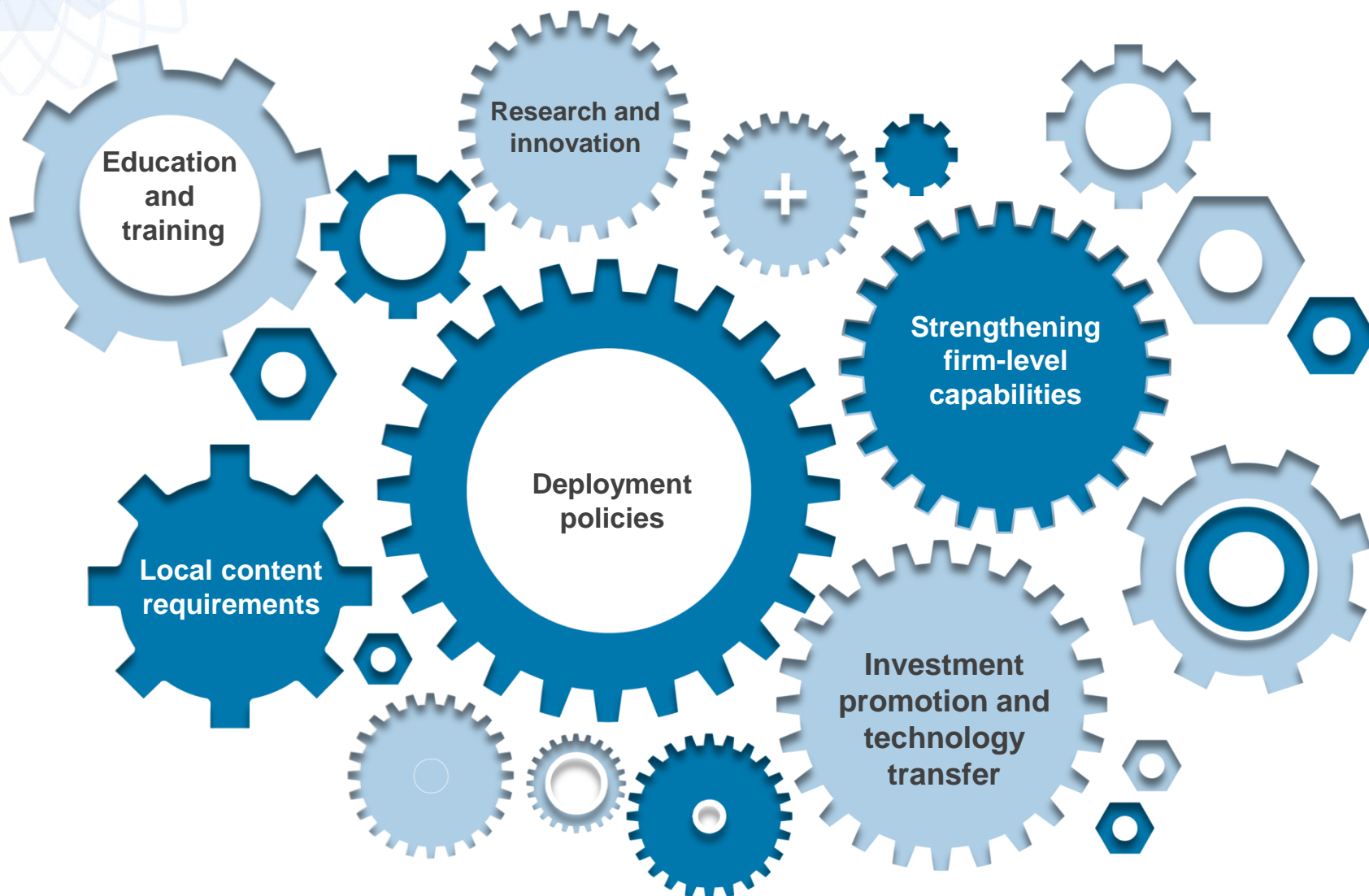


**115-150** Billion **\$** Discounted\* Fuel Savings



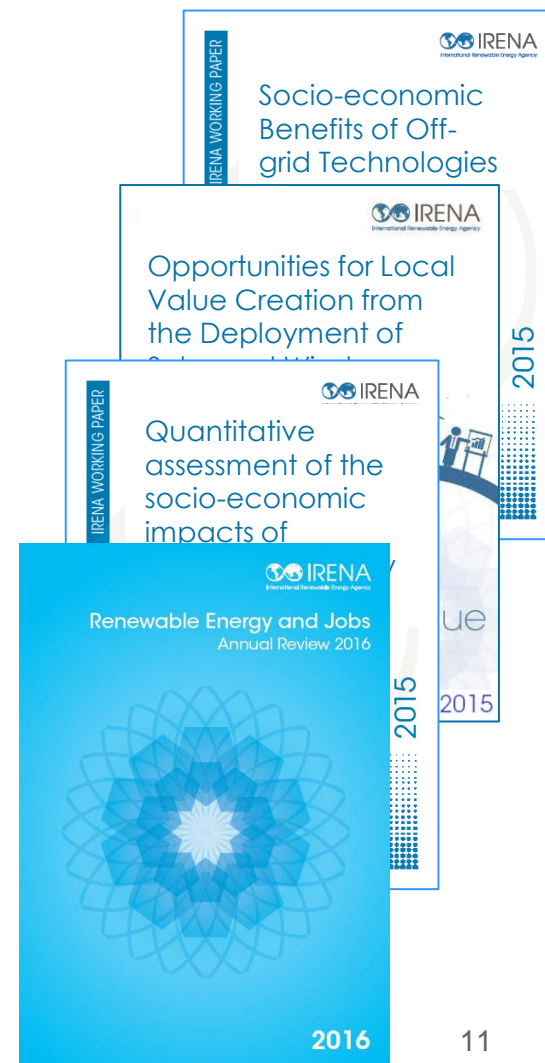
**6.4** Billion **\$** Monetized and Discounted\* CO<sub>2</sub> Savings  
Discount rate = 5%

# The right policy mix can maximise value creation (including jobs)



# The way forward

- *Renewable Energy and Jobs: Annual Review 2016* – will update estimates and further improve coverage and data quality
- Major gaps in renewable energy employment data.
- Crosscutting sector makes it difficult to gather information.
- Data gathered only in a few countries, from various sources, using heterogeneous methods, assumptions and time frames.
- Sound information is essential to enable informed policy choices.
- The most valuable data distinguishes between direct and indirect employment in different segments of the value chain, disaggregates across different parts of the renewable energy sector, provides occupational details and differentiates between domestic and export-driven employment.



# The message to take home

Renewable Energy and Jobs  
Annual Review 2015

#rejobs



**RENEWABLE ENERGY EMPLOYS 7.7 MILLION PEOPLE WORLDWIDE**





# IRENA

## International Renewable Energy Agency

### Thank you!



IRENA @IRENA · 21 mai  
Are you 1 of the 7.7 million renewable energy jobs? Tweet a photo of you in action! [bit.ly/1L4Ry8g](http://bit.ly/1L4Ry8g) #REjobs



RENEWABLE ENERGY EMPLOYS 7.7 MILLION PEOPLE WORLDWIDE



IRENA @IRENA · 21 mai  
Jobs in the renewable energy sector keep growing with increases in #solar pv #wind #bioenergy #hydropower [bit.ly/1L4Ry8g](http://bit.ly/1L4Ry8g) #REjobs  
Voir le résumé

IRENA @IRENA · 24 mai  
RT @DirkVansintjan: @H2020EE here the Ecopower team in 2013, now another 30 of the 7.7 million working in #REjobs



ACCIONA (English) @ACCIONA\_EN · Follow  
We are part of the 7.7M renewable energy employees #REjobs @IRENA

