



# Renewable Energy Statistics

# Processes and calendar

## Data Collection

- IRENA RE Statistics Questionnaire
- Electricity capacity, production, RE balances
- Other research (government, industry, news)

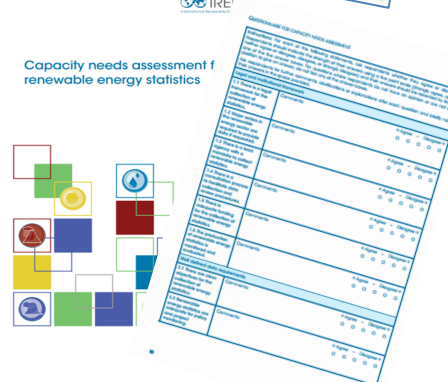
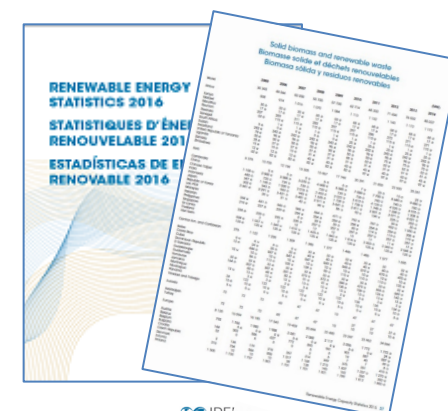
## Dissemination

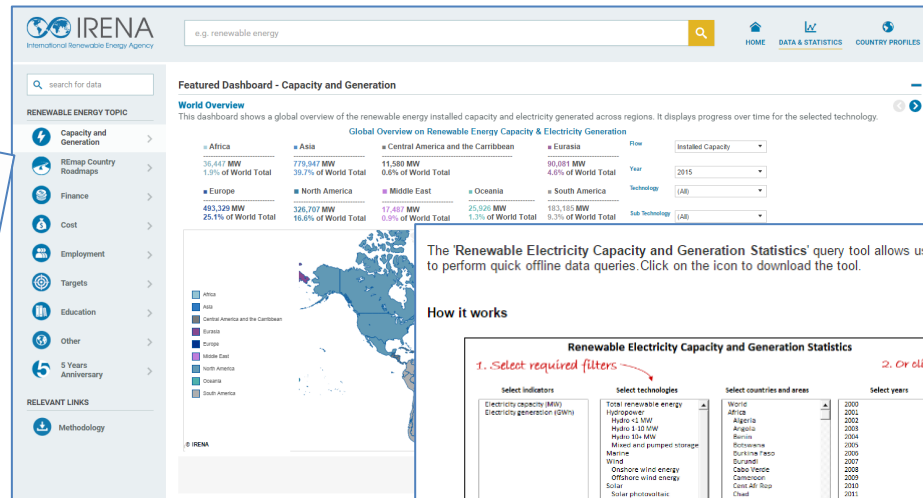
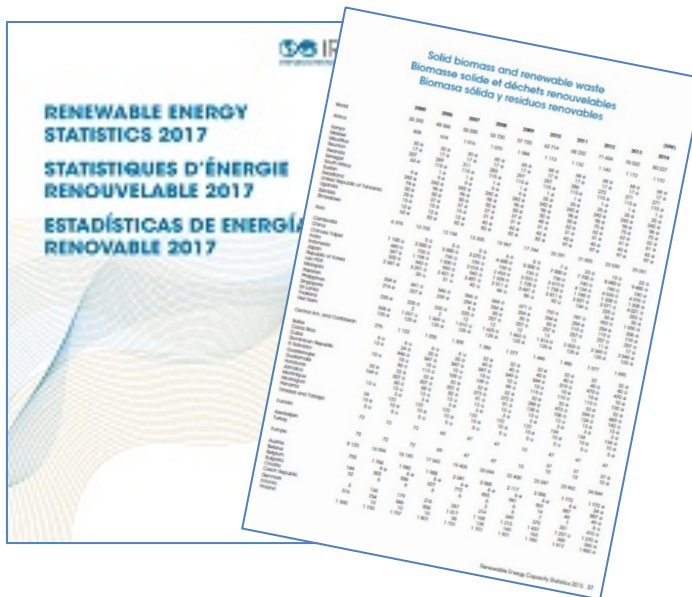
- Capacity statistics: Y+3 months
- Statistics yearbook: Y+18 months
- Detailed off-grid data: Y+24 months
- Website (charts, maps) and offline query tool

## Capacity Building


- Capacity needs assessment tool
- Data collection guidance and pilot studies
- Regional trainings
- Other activities to improve data

Supply and consumption	GWh	TWh	TWh	TWh	Renewable		Non-renewable		Total	Change	Share	Share	Share	Share	Share	Share	Share	Share	Share	Share	
					Hydro	Other	Fossil	Nuclear													
Electricity																					
Heat																					
Transport																					
Industrial																					
Buildings																					
Total																					





The Renewable Electricity Capacity and Generation Statistics' query tool allows users to perform quick offline data queries. Click on the icon to download the tool.



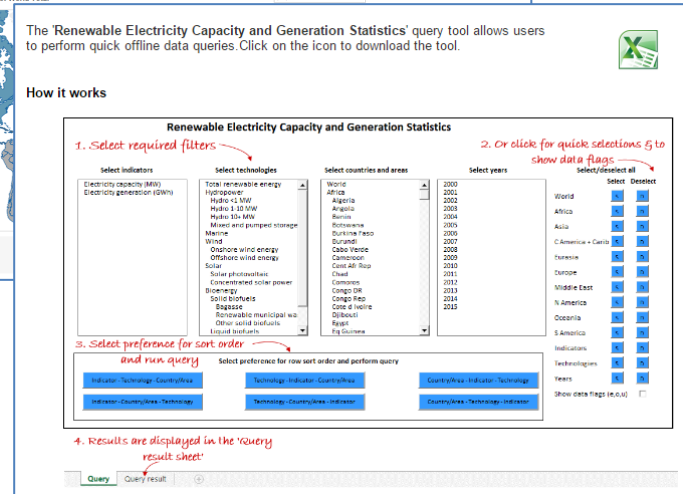
### How it works

**1. Select required filters**

**2. Or click for quick selections to show data flags**

**3. Select preference for sort order and run query**

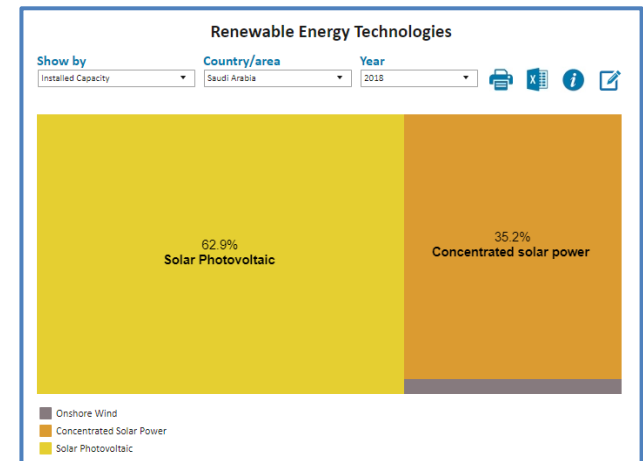
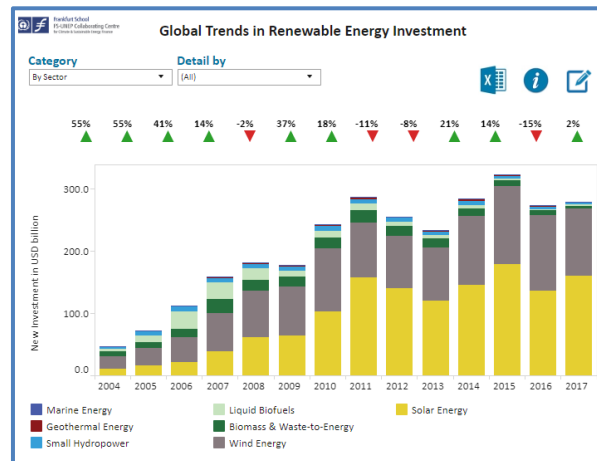
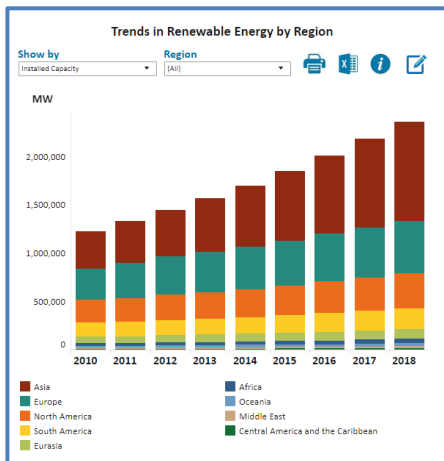
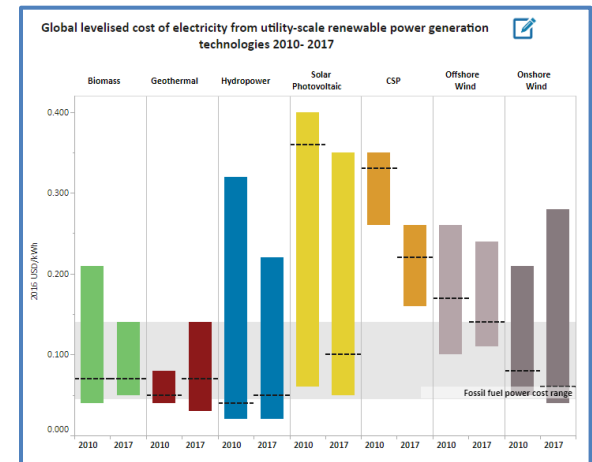
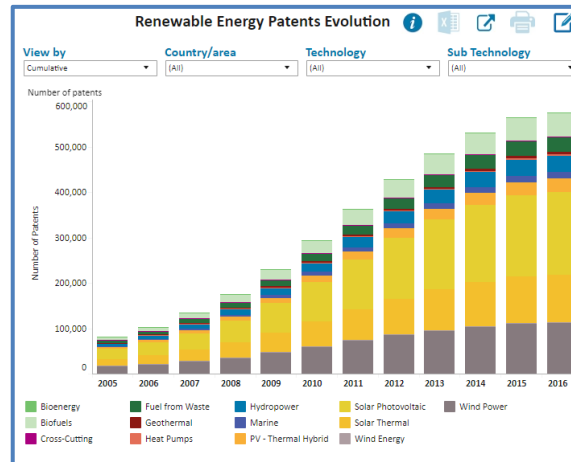
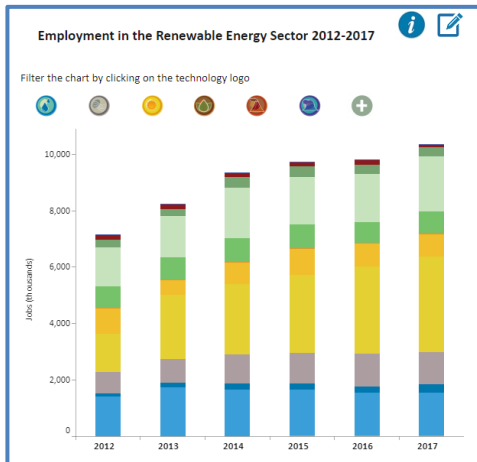
**4. Results are displayed in the query result sheet**



## Statistical products

- RE Capacities ([online](#)): published end-March
- RE Statistics Yearbook (book and [online](#)): end-June
- Excel data tool ([download](#)): end-March and end-June
- Website charts and maps: continuously updated

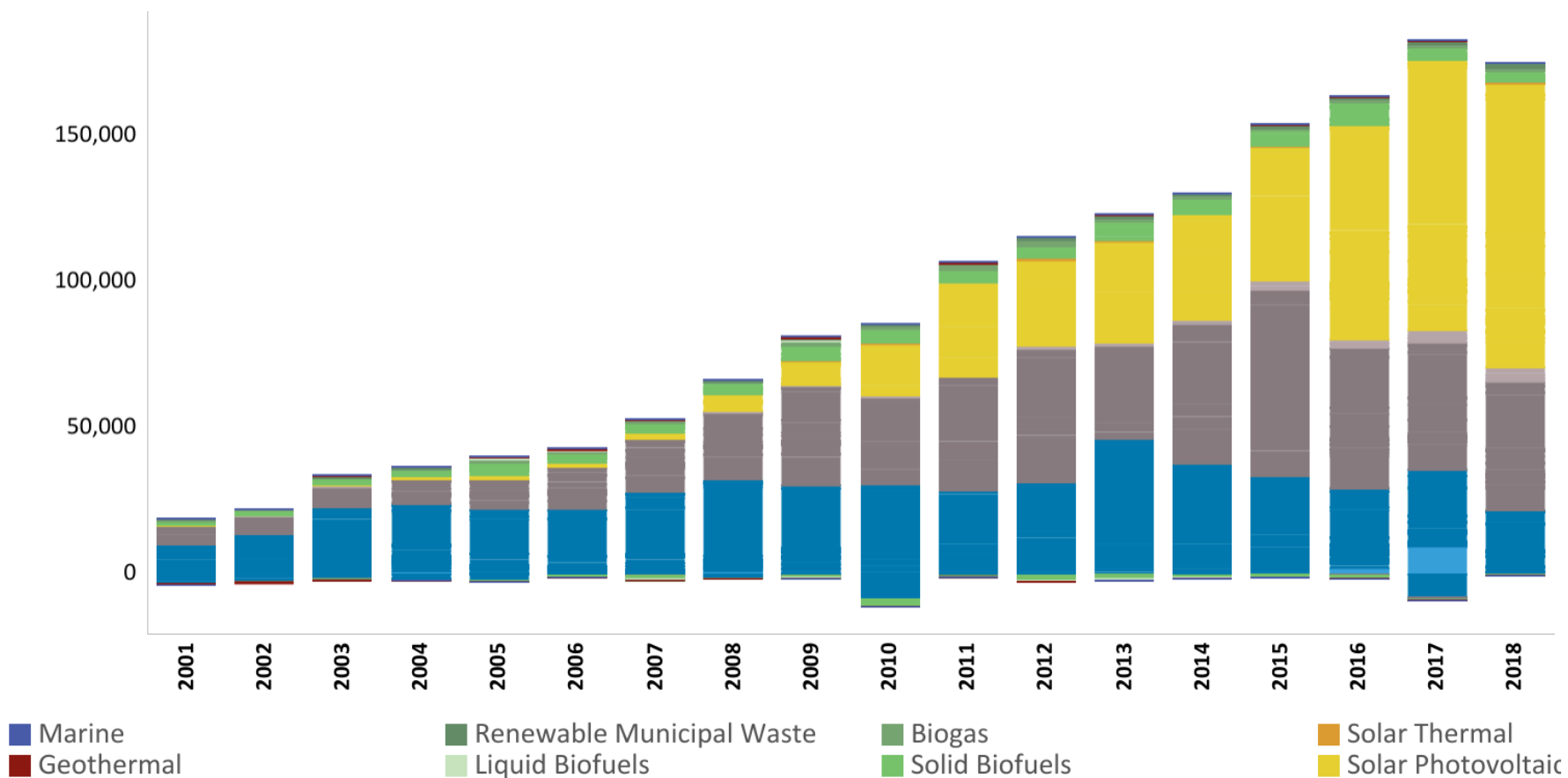
## Energy statistics and other data (costs, jobs...):



# Annual net capacity additions

## Solar PV is now growing the most

Installed Capacity (MW)

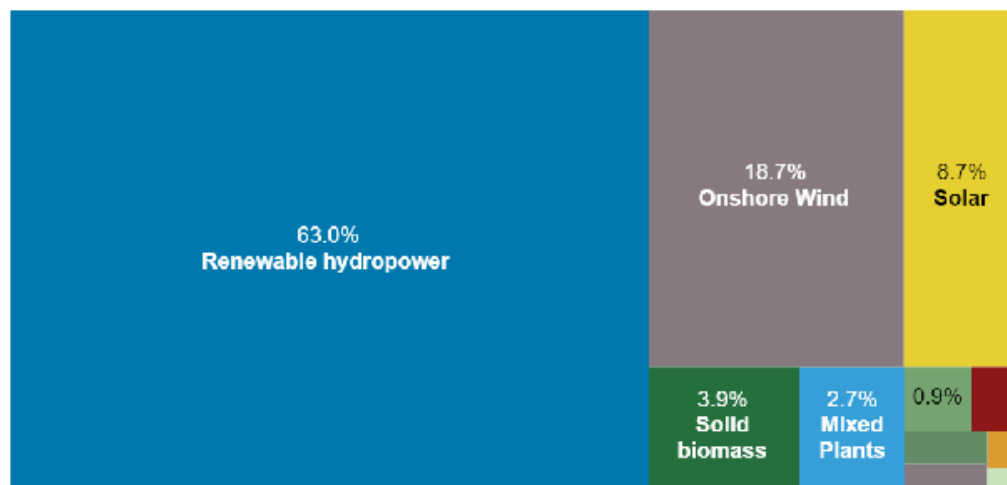


# Share of total capacity

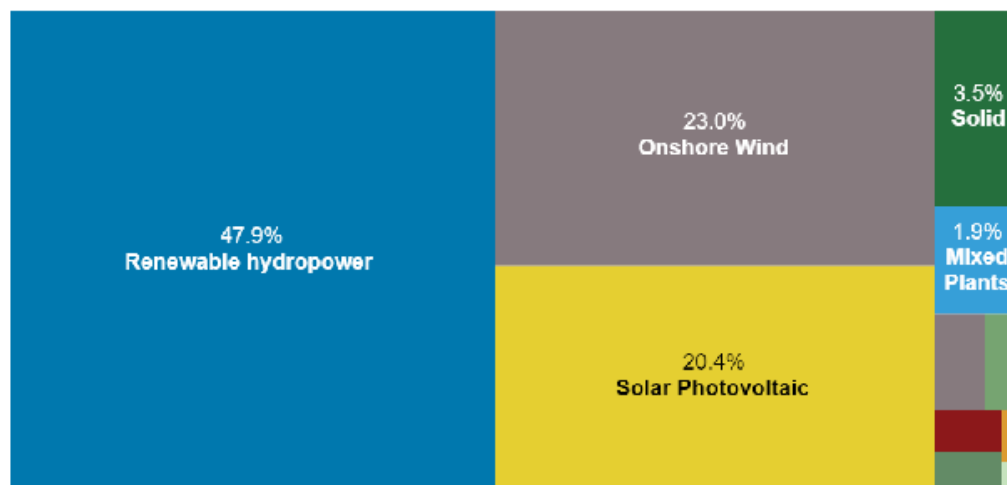
## Increasing shares of solar and wind

- Mixed Plants
- Renewable Hydropower
- Marine
- Concentrated Solar Power
- Solar Photovoltaic
- Offshore Wind
- Onshore Wind
- Geothermal
- Solid Biomass
- Biogas
- Liquid Biofuels
- Renewable Waste

**2013**



**2018**



# Challenges with solar PV data

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- **Net capacity:** Grid-connected, year-end, after inverter losses and own-use.
- **Off-grid:** Use of trade data. Revision of trade codes (HS 2022).
- **Net metering, decommissioning:** A problem coming to countries sometime soon.