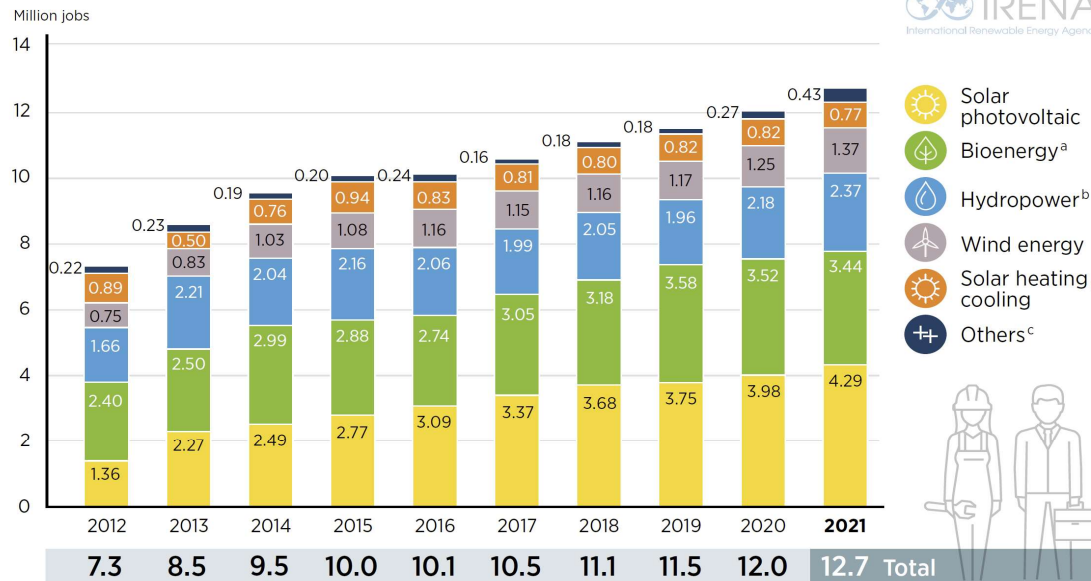


# The role of Services in the transition to sustainable energy

Elizabeth Press  
Director, Planning and Programme Support, IRENA

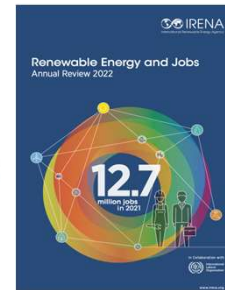
**UNCTAD Multi-year Expert Meeting on Trade, Services and Development**  
10 July 2023

# Jobs in Solar PV



IRENA  
International Renewable Energy Agency

- Solar photovoltaic
- Bioenergy<sup>a</sup>
- Hydropower<sup>b</sup>
- Wind energy
- Solar heating/cooling
- Others<sup>c</sup>



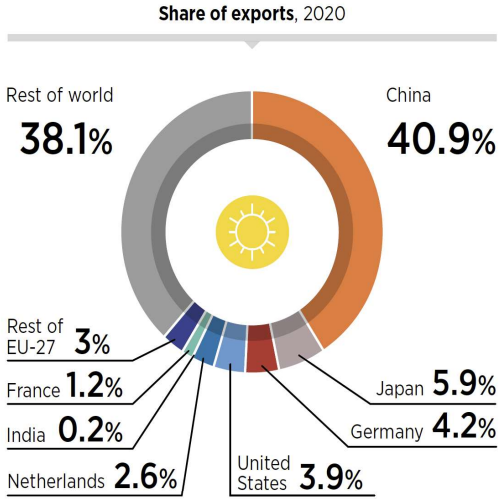
**14 million**  
jobs by 2030



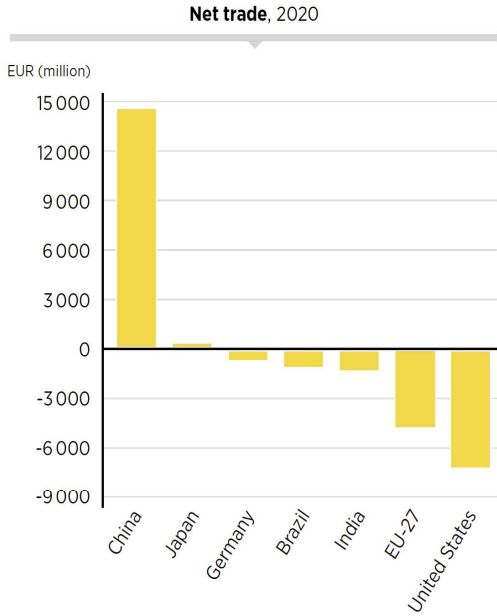
**4.3**  
million  
jobs in 2021

Source: [Renewable Energy and Jobs - Annual Review 2022](#), IRENA

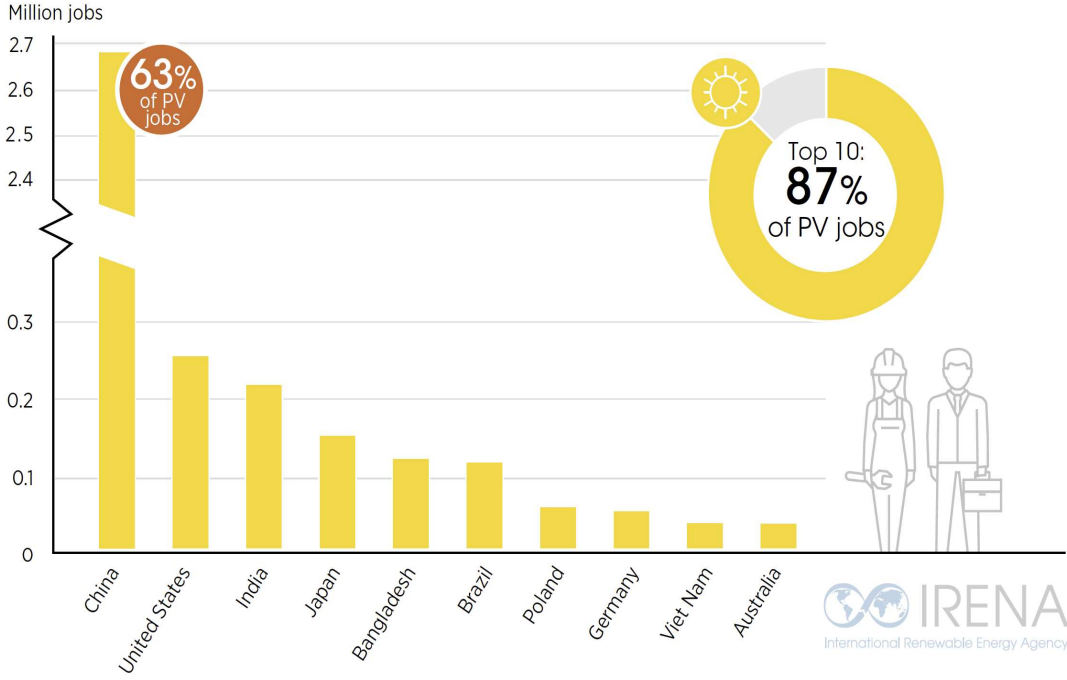
# Trade and employment in the Solar PV sector



Note: PV = photovoltaic.



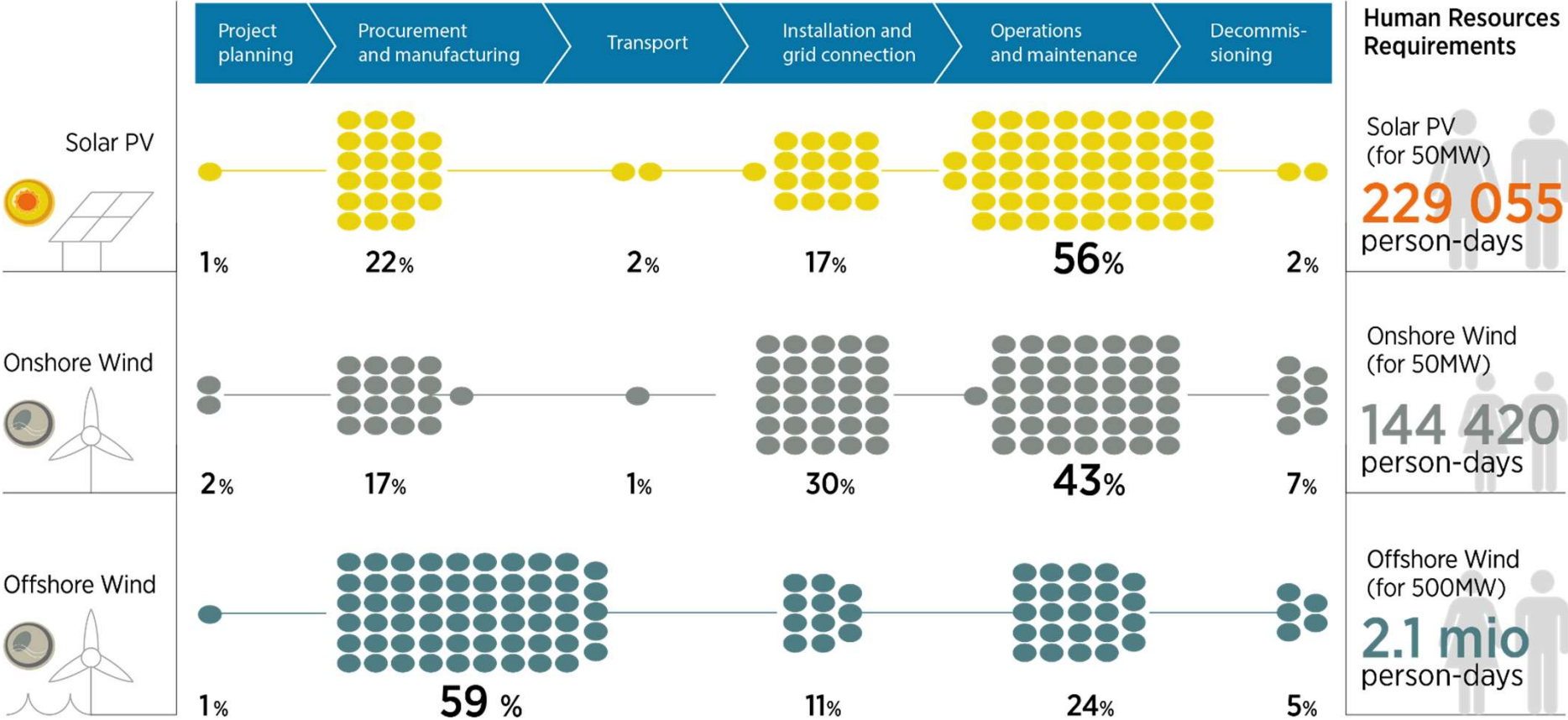
Source: EurObserv'ER, 2022.



Source: IRENA jobs database.

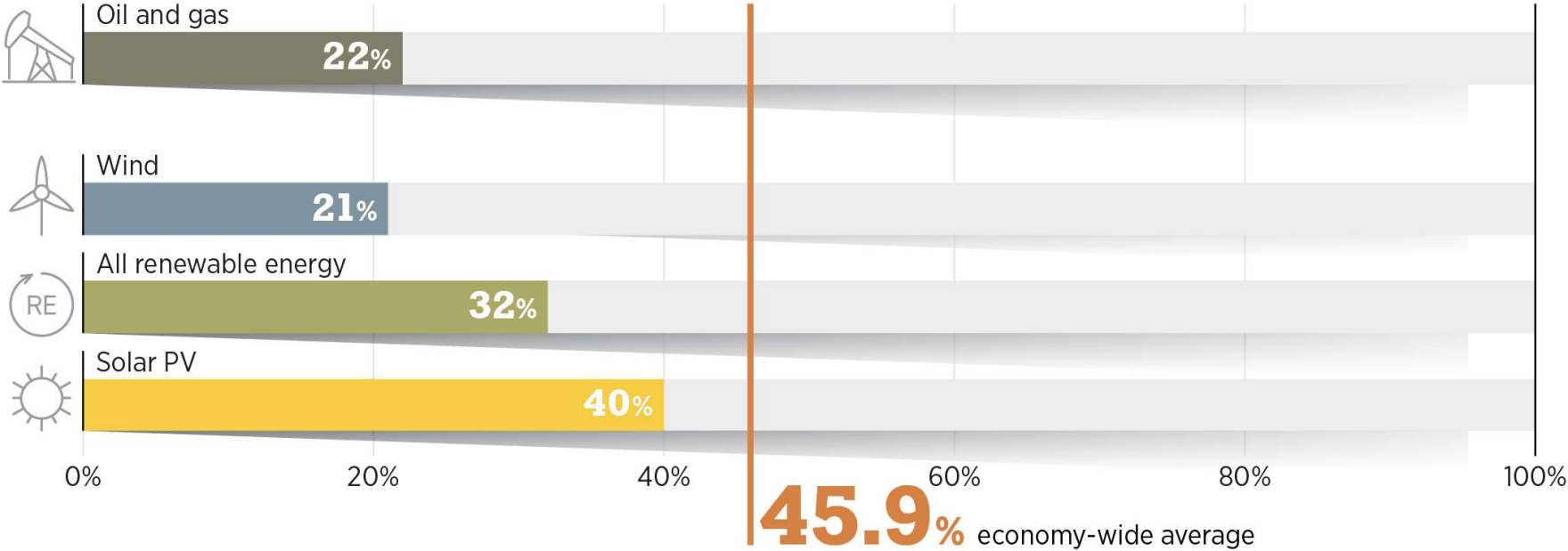


# Employment along several important renewable value chains



Source: [Renewable Energy and Jobs - Annual Review 2022](#), IRENA

# Women in oil and gas, renewables overall, wind, solar PV, and economy-wide average



Source: [Solar PV: A Gender Perspective 2022](#), IRENA



**Thank you!**

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