



1st meeting of the G7 EWG under German Presidency, Berlin

Wednesday, 30<sup>th</sup> November 2022







# Employment impact of greening the economy for G7 and EU countries

### **Energy sustainability scenario**

- phasing out of fossil fuel energy generation
- move to renewable energy sources
- ▶ 5.1 million jobs could be created
- 1.1 million jobs could be destroyed
- over 90% of workers at risk of losing jobs will be able to reallocate

## **Circular economy scenario**

- shift away from current model of "extract, manufacture, use and discard" to the principle of "produceuse-service-reuse"
- ▶ 11.5 million jobs could be created
- 3.8 million jobs could be destroyed
- over 80% of people at risk of losing jobs will be able to reallocate



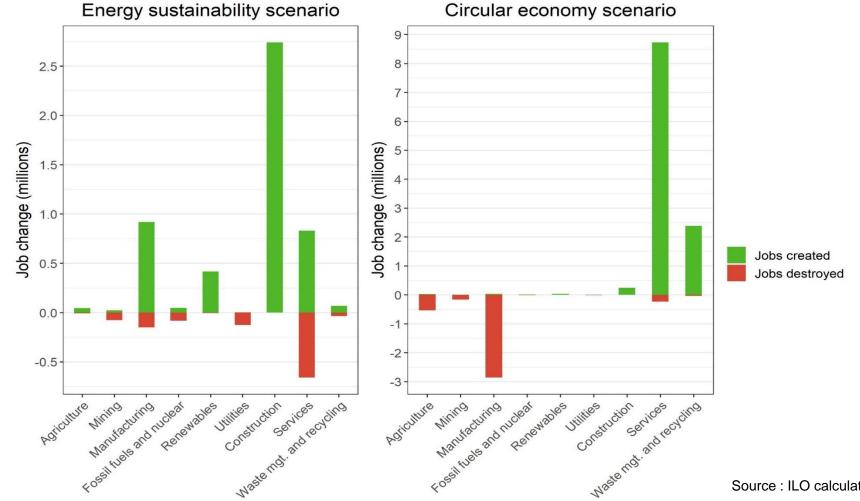
Around 10-20% of workers will require reskilling into new occupations





## Sectoral trends in two scenarios for G7 and EU countries

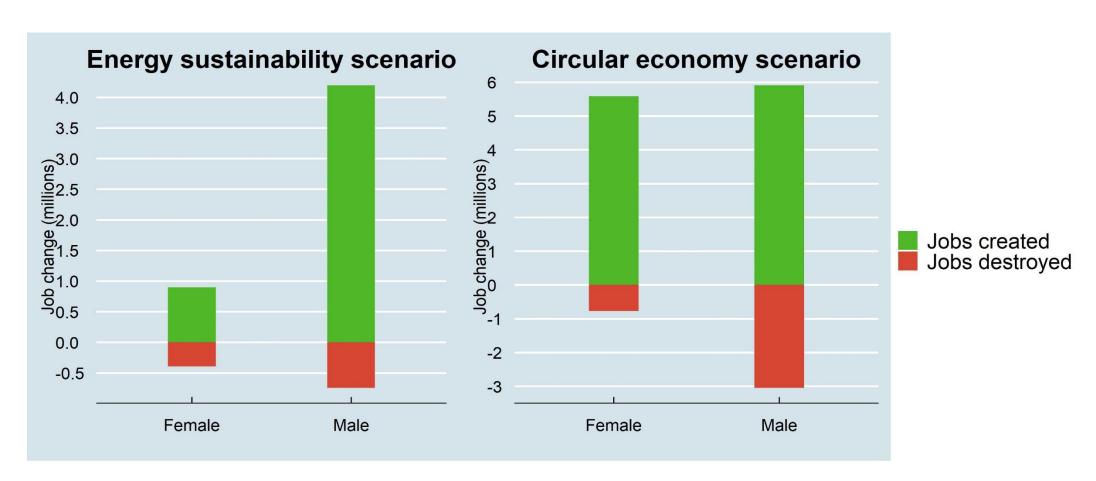
Broad industries most affected by the green transition by 2030







## Gender outlook in both scenarios for G7 and EU countries



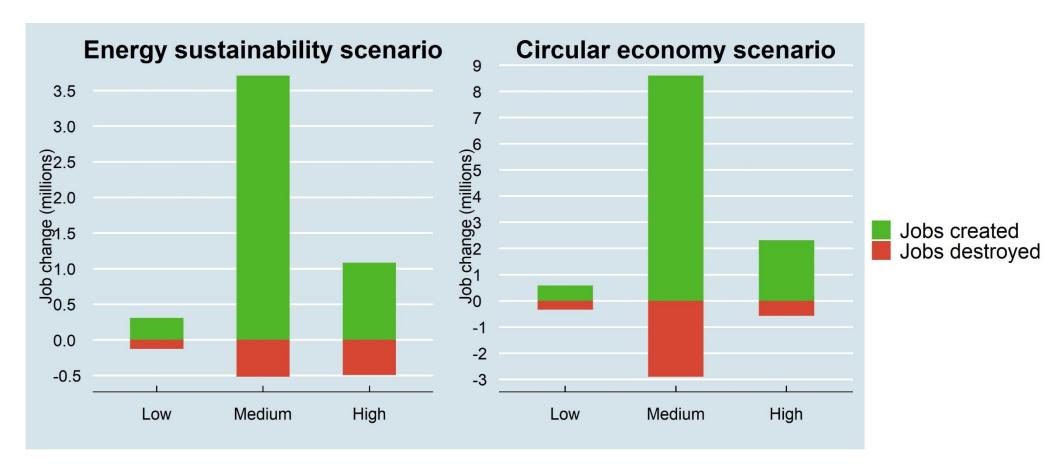
Advancing social justice, promoting decent work

▶ ilo.org





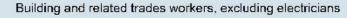
## Re-skilling measures required at different skills levels for G7 and EU countries





# Occupational and skills effects for G7 and EU (energy transition)

#### Top 5 occupations with the highest number of new net jobs

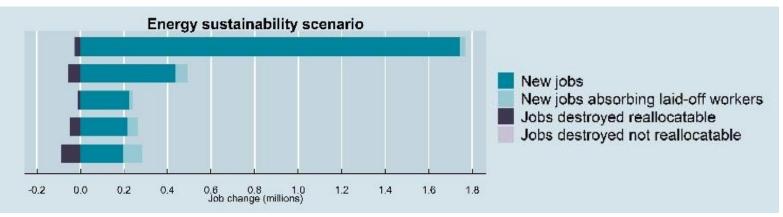


Electrical and electronic trades workers

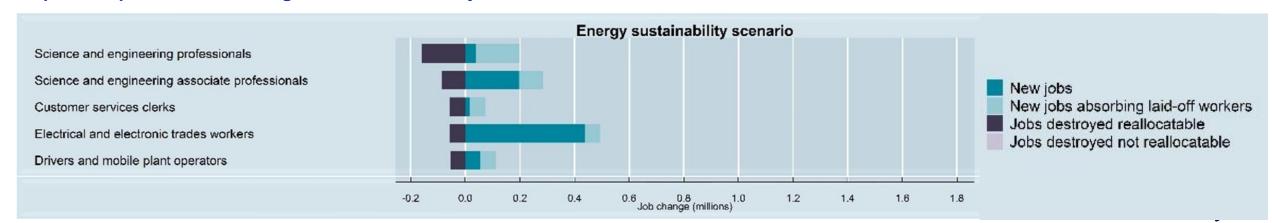
Metal, machinery and related trades workers

Sales workers

Science and engineering associate professionals



#### Top 5 occupations with the highest reallocation of jobs



Source: ILO calculations based on EXIOBASE v3 and national labour force surveys



# Occupational and skills effects for G7 and EU (circular economy)

#### Top 5 occupations with the highest number of new net jobs

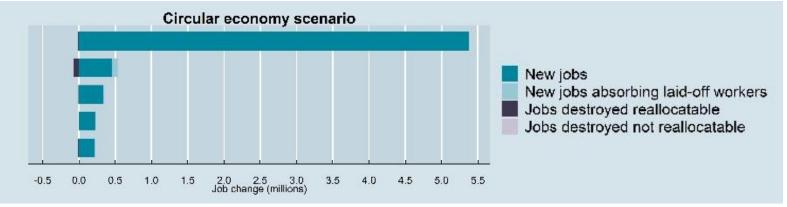
Sales workers

Science and engineering professionals

Hospitality, retail and other services managers

Street and related sales and service workers

Personal service workers



#### Top 5 occupations with the highest reallocation of jobs

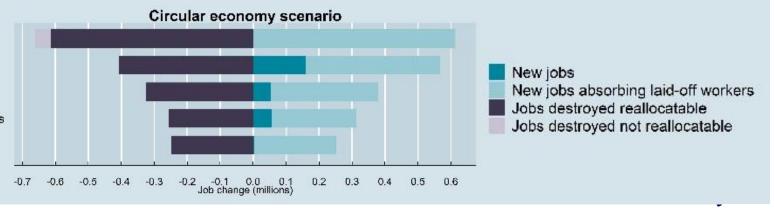
Stationary plant and machine operators

Building and related trades workers, excluding electricians

Metal, machinery and related trades workers

Food processing, wood working, garment and other craft and related trades workers

Science and engineering associate professionals



Source: ILO calculations based on EXIOBASE v3 and national labour force surveys



## **Policy recommendations**





# G7 GERMANY

# Thank you for your attention

Skills for a Greener Future: A global view



Anticipating skill needs for green jobs: A practical guide



Skills and Occupation Needs in Renewable Energy

Skills and Occupation Needs in Green Building



Skills for Green Jobs: A global view



Policy Brief: Challenges and enabling factors to achieve a just transition



Comparative analysis of methods of identification of skills needs on the labour market in transition to the low carbon economy



Greening TVET and skills development: A practical guidance tool



Just Transition Policy Brief: Skills development for a just transition



[G7] Skills for Decarbonisation

