



# Skills for Decarbonisation

1<sup>st</sup> 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

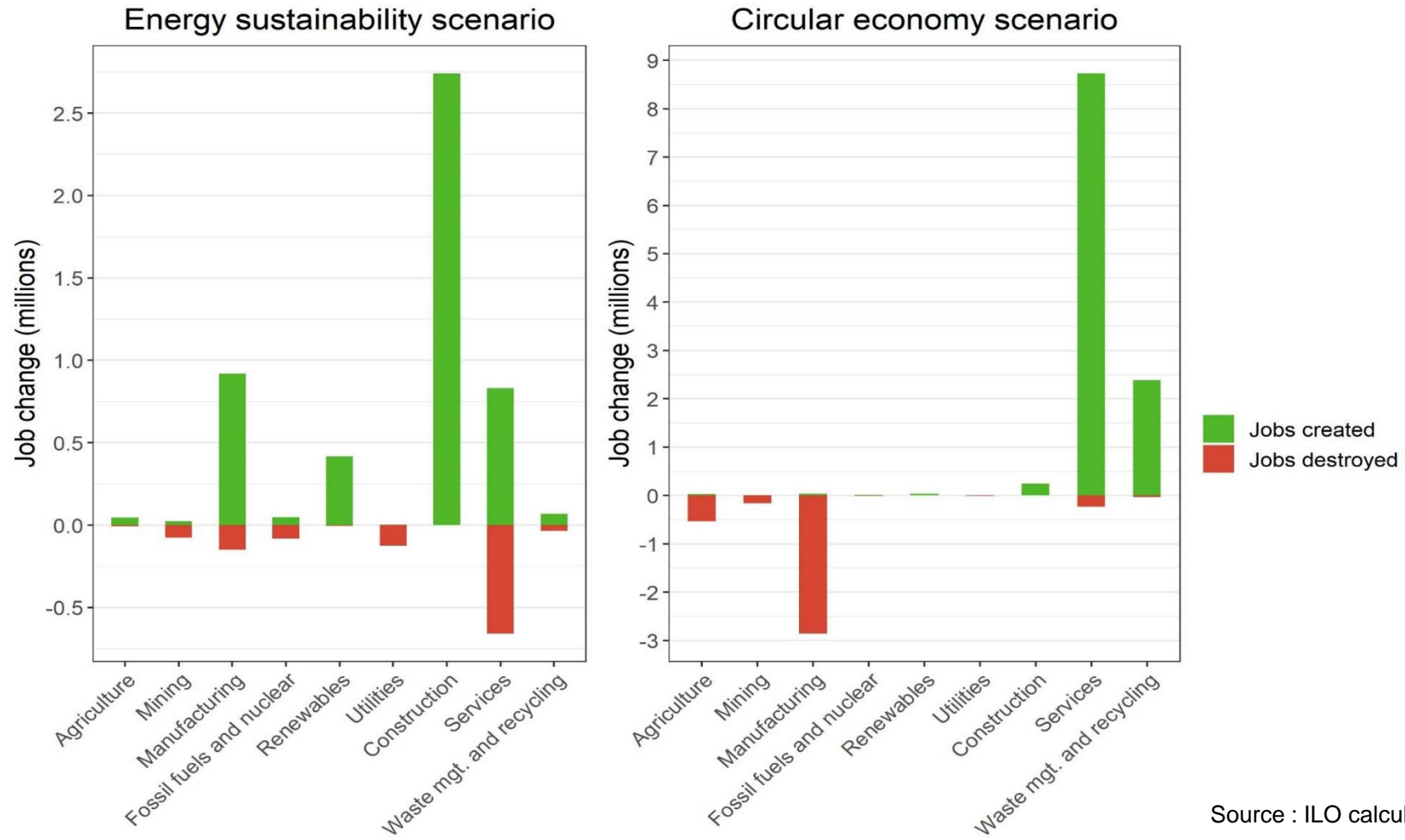
- shift away from current model of “extract, manufacture, use and discard” to the principle of “produce-use-service-reuse”
  
- **11.5 million** jobs could be **created**
- **3.8 million** jobs could be **destroyed**
- over **80% of people** at risk of losing jobs will be able to **reallocate**



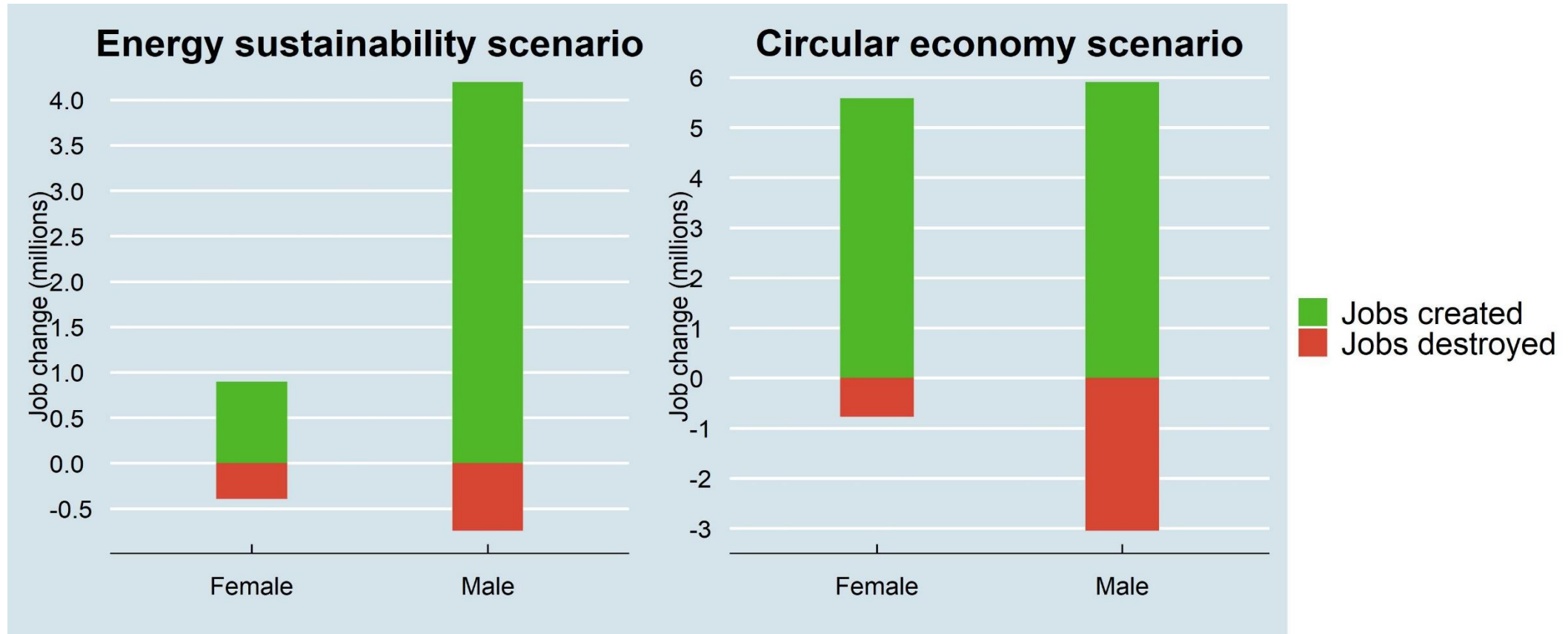
Around **10-20%** of workers will require reskilling into new occupations

# Sectoral trends in two scenarios for G7 and EU countries

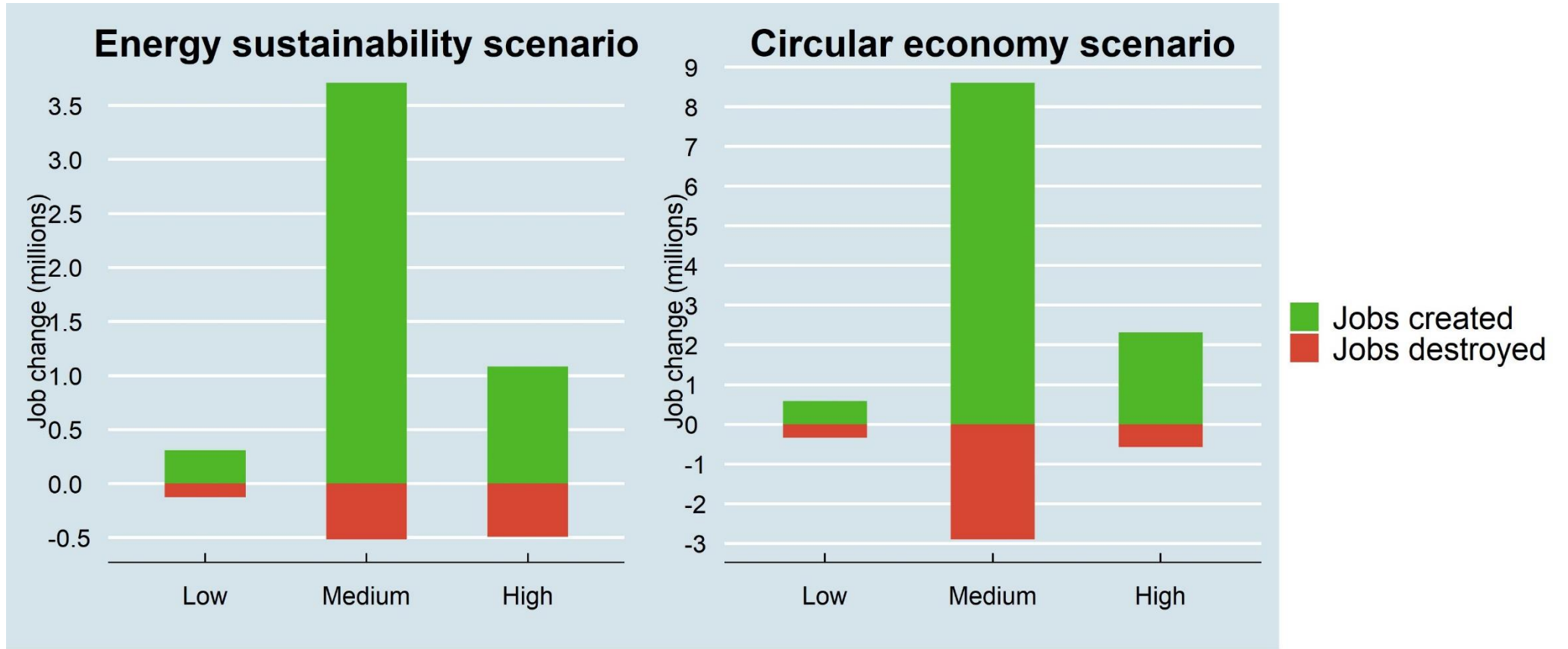
Broad industries most affected by the green transition by 2030



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



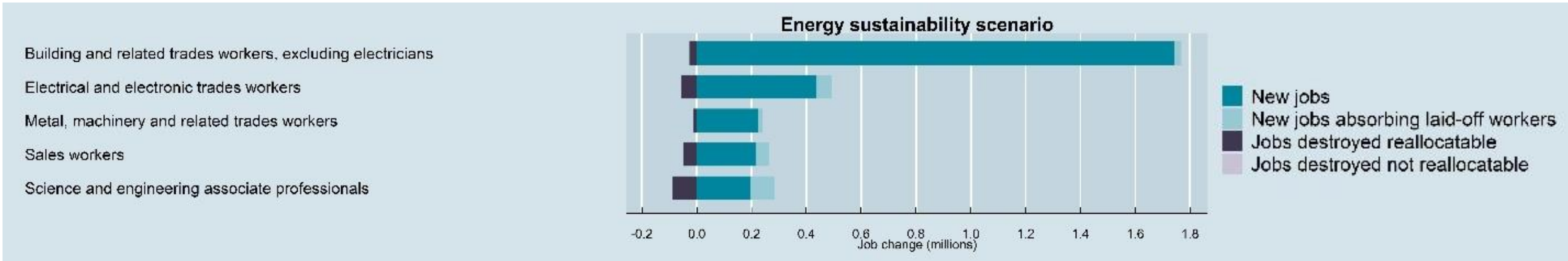
## Re-skilling measures required at different skills levels for G7 and EU countries



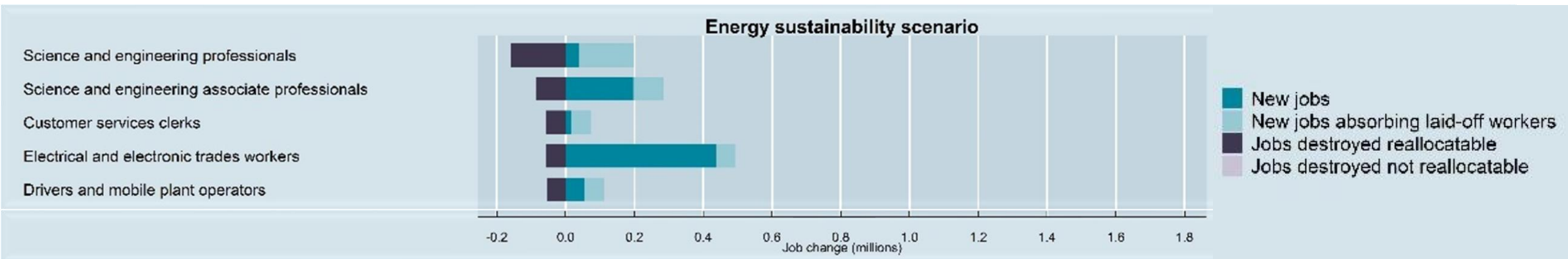


# Occupational and skills effects for G7 and EU (energy transition)

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

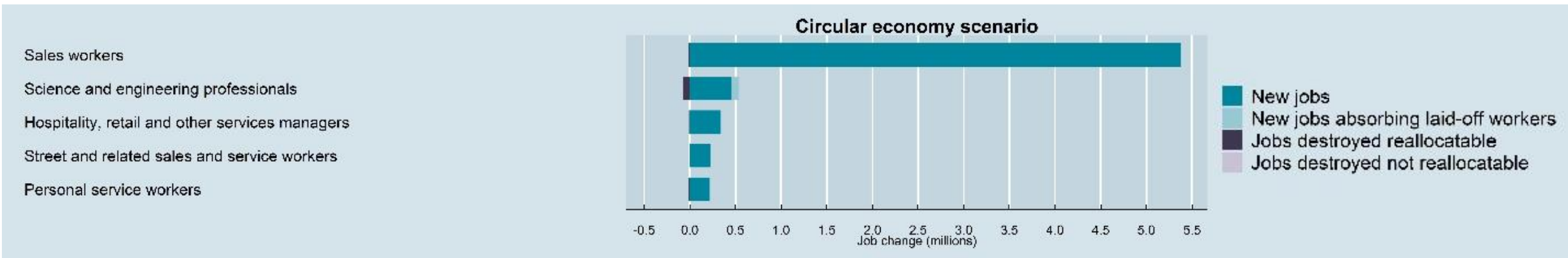


## Top 5 occupations with the highest reallocation of jobs

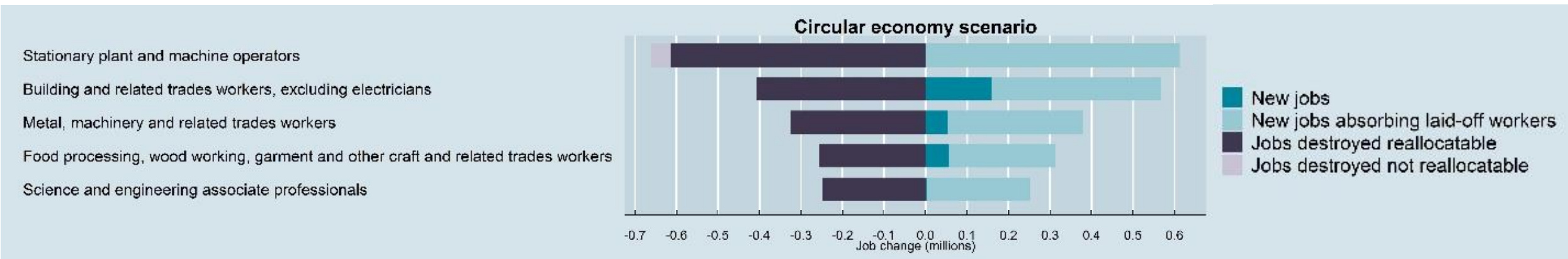


# Occupational and skills effects for G7 and EU (circular economy)

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



## Top 5 occupations with the highest reallocation of jobs



## Policy recommendations





## Thank you for your attention

Skills for a  
Greener Future: A  
global view



Anticipating skill needs  
for green jobs: A  
practical guide

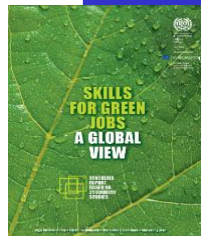


Skills and Occupation  
Needs in Renewable  
Energy



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

