

Gender Equality in the Energy Sector

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ABOUT THE IEA

International Energy Agency

The IEA is an autonomous inter-governmental organisation within the OECD framework

The IEA works with governments and industry to shape a secure and sustainable future for all

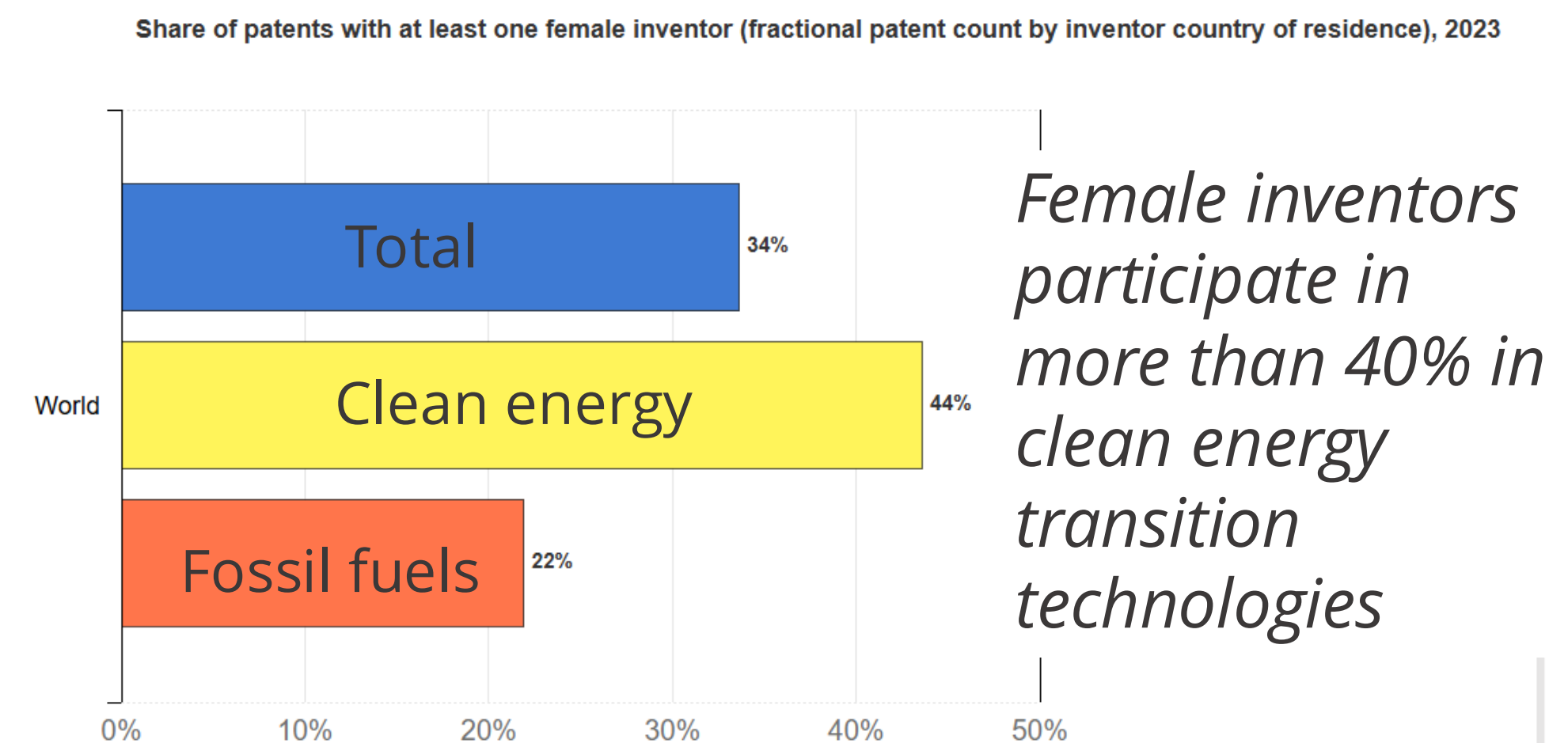
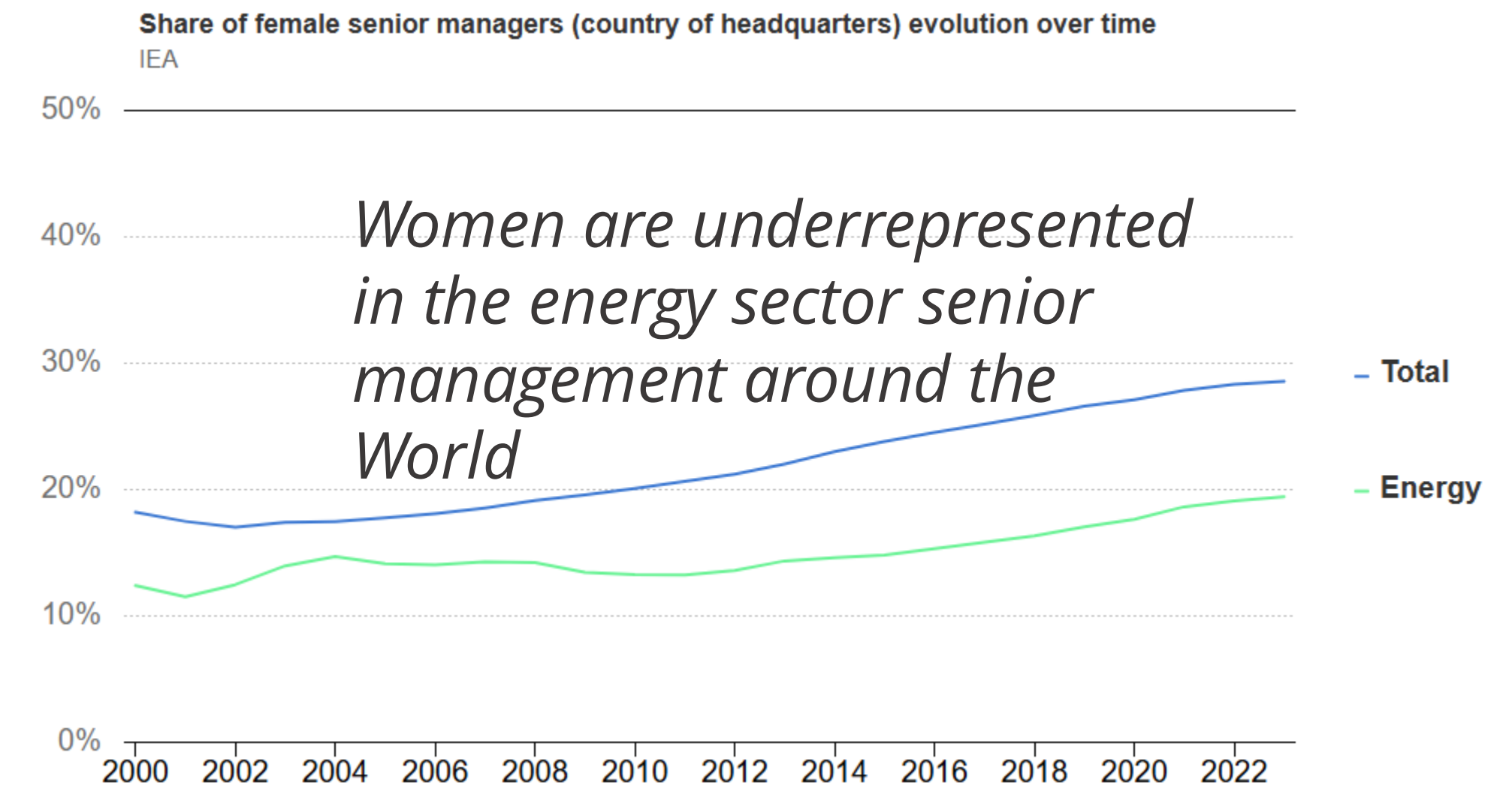
Member countries have given a strong mandate to IEA to gather data on gender aspects of the energy workforce

The IEA puts People and Inclusivity at the centre of all energy transition



ABOUT THE GENDER AND ENERGY EXPLORER

- IEA's commitment is to collect **knowledge and data** related to **gender and energy** to assist governments in their ambitions to improve gender-diversity in the energy sector
- In 2022 the IEA launched the [Gender and Energy Data Explorer](#), hosted in IEA's website
- The explorer covers the topics: Employment, Senior Management, Entrepreneurship, Innovation, Skills
- Indicators are updated annually



WHAT WAS THE CHALLENGE?

Enriching the Data and Energy explorer



Employment
from
Labor Force
surveys, OECD



**Senior
Management**
from
Orbis
database



**Entrepreneur-
ship
indicators**
from
Crunchbase



Innovation
from the
European
Patent
Office



Skills Genome
describing LinkedIn
members experience
in the energy
workforce, uniquely
available through the
DDP

WHAT WAS THE CHALLENGE?

- **Understanding** better the Gender **Gap** in the Energy sector
- **Gender disaggregated data** in the energy sector are very challenging to get
- Gender differences in skills provides insights into the energy sector disparities and allows to **better inform policy makers and industry**
- While skills are shaped by education and career choices, they also reflect how **men and women perceive themselves** in the workforce and want to be seen by their professional networks



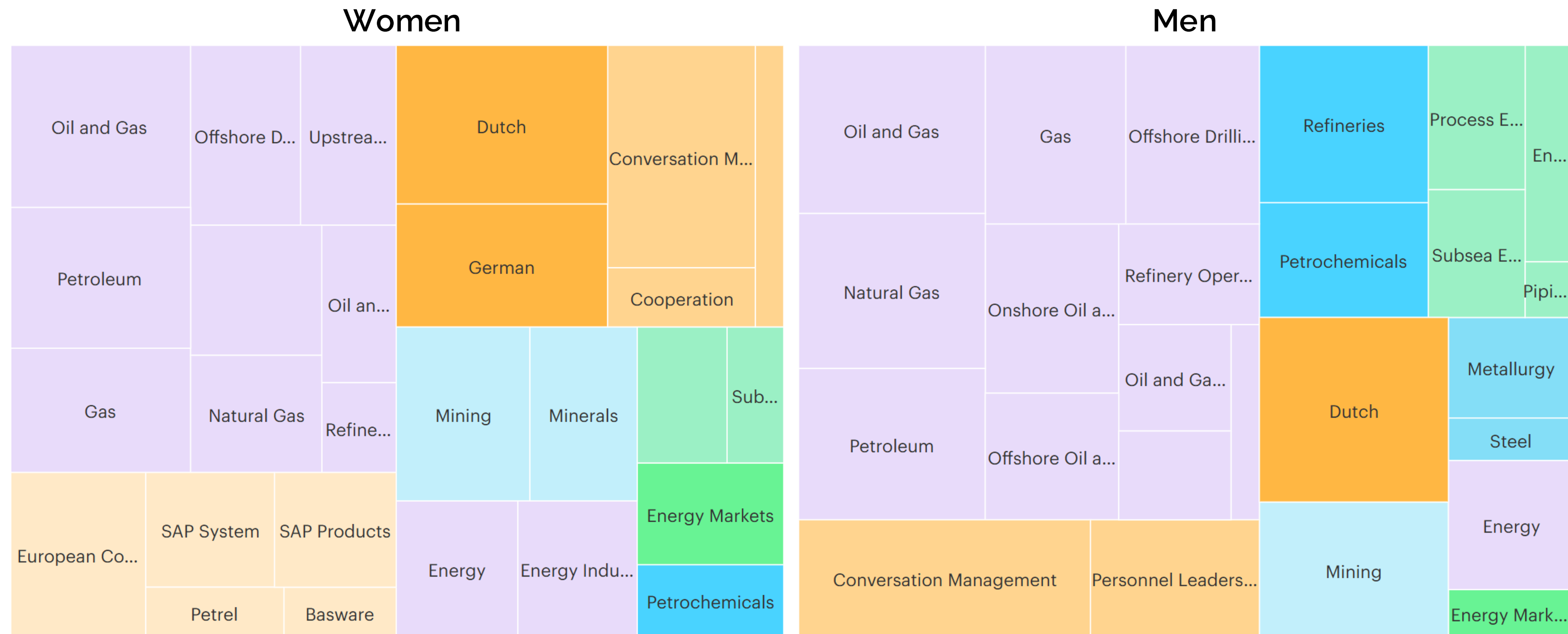
WHAT WAS THE SOLUTION?



- The LinkedIn Skills Genome dataset (disaggregated by gender and country) provides insight into how men and women **signal their skills and strengths** in the energy workforce
- It reflects the **skills individuals choose to highlight** when positioning themselves for career opportunities
- These insights help industry and policymakers understand where **targeted upskilling or reskilling** efforts may be needed

Most prominent skills in Europe in Oil & Gas

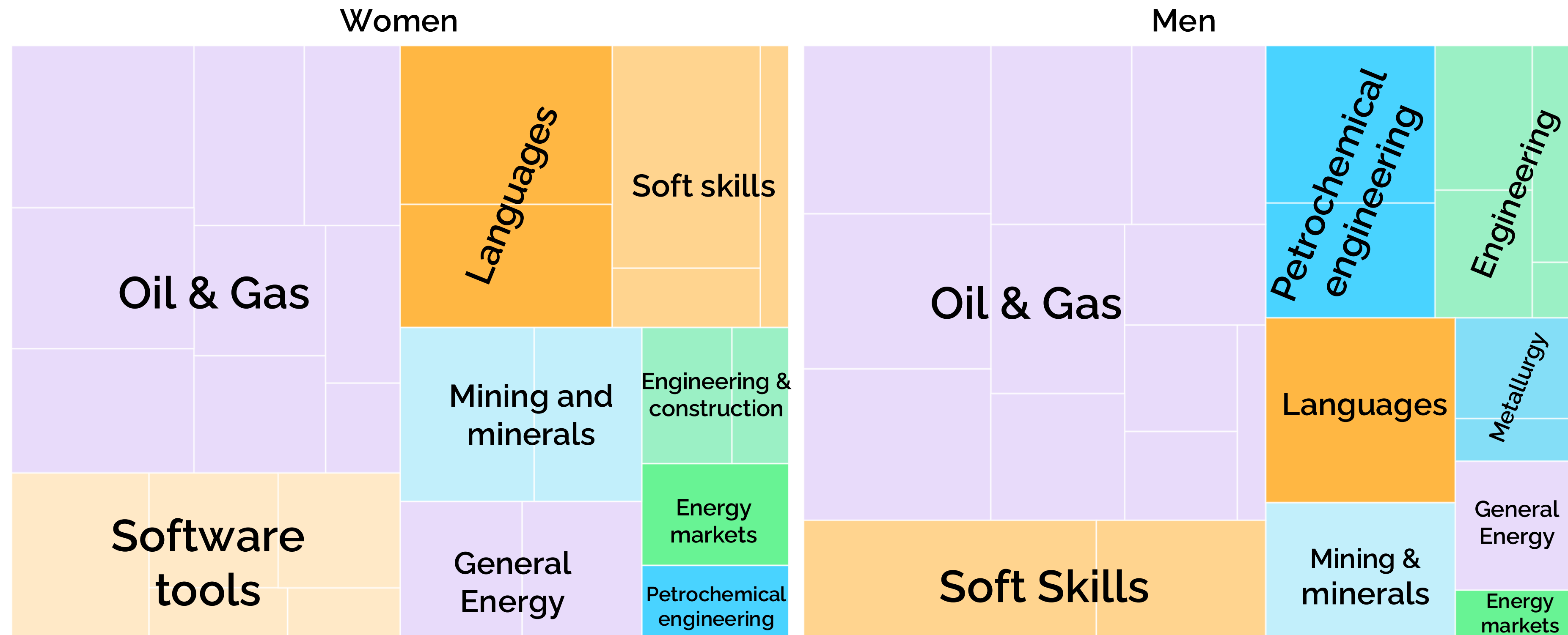
Women report to a greater extent non energy technical skills



- Chemical & petrochemical engineering
- General energy
- Energy markets
- Engineering & construction
- Metals & metallurgy
- Mining & minerals
- Nuclear
- Oil & Gas
- Languages
- Soft skills
- Software tools

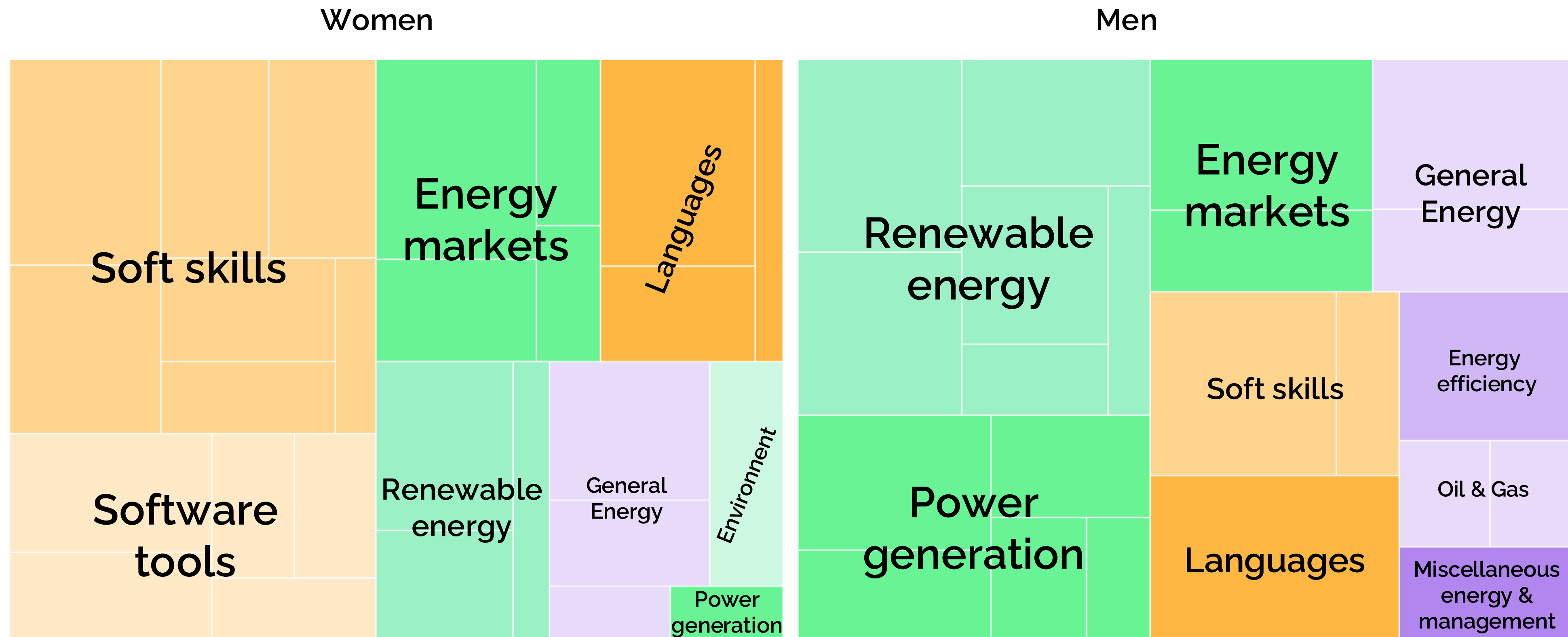
Most prominent skills in Europe in Oil & Gas

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Most prominent skills in Europe in Utilities

Women working in Utilities report mostly soft skills



Most prominent skills in the US in Utilities

Women and men working in Utilities report mostly power technical skills

Women

Men



- Electrical engineering
- General energy
- Miscellaneous energy engineering & management
- Nuclear
- Oil & Gas
- Power generation
- Smart grids
- Software tools

WHAT IS THE IMPACT?



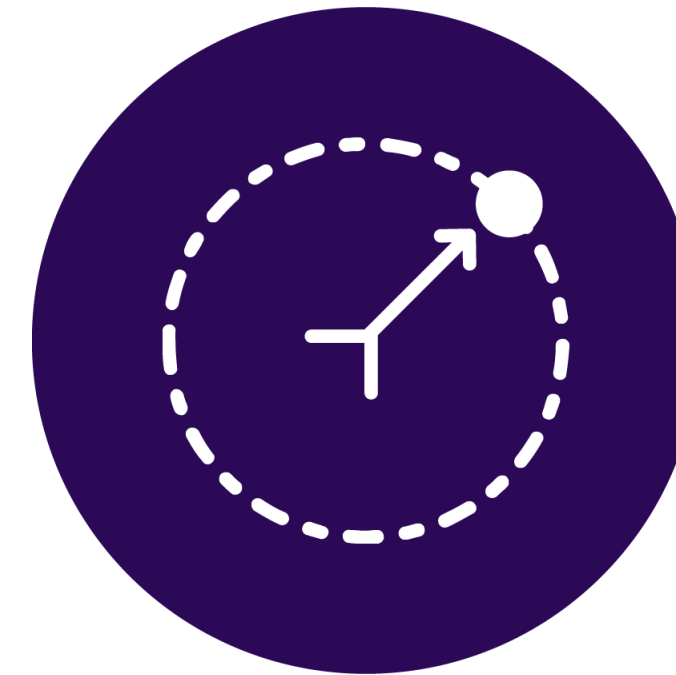
Open Data

derivative data is
available online for
all

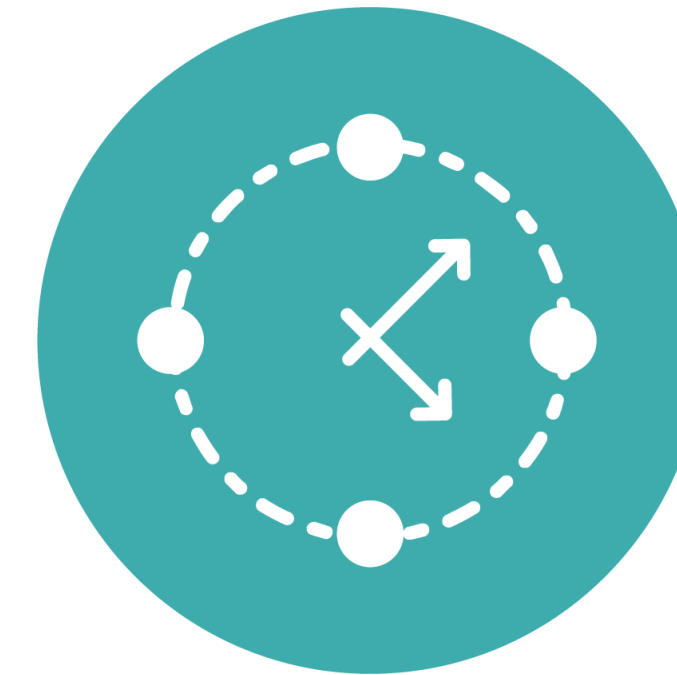


Visibility from energy sector experts

22K views per
year



This dataset will be
used in **reports
and analysis** to
support the work
of people-centered
transitions in the
IEA



**First of a kind
Indicator** that
reports on self
assessment of
skills & strengths

THANK YOU



DEVELOPMENT
DATA PARTNERSHIP

