

# Space Data for Gender Empowerment

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# 2015 – UN adopt SDGs



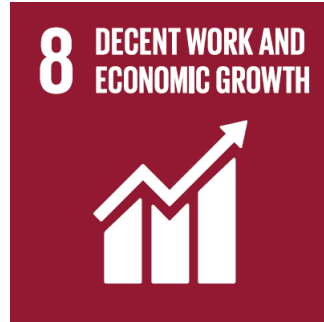
# Gender equality across the SDGs



Women and girls around the world are **4%** **MORE LIKELY** than men and boys to live in extreme poverty, and the risk rises to **25%** for women aged 25 to 34.



Globally, women had a **10%** **HIGHER RISK** of experiencing food insecurity than men in 2018.



The labour force participation rate of women aged 25 to 54 is **55%** versus 94% for men in the same age group.



Women are overrepresented in slums in **70%** **OF COUNTRIES** where data are available.



Globally, **38.7%** **OF EMPLOYED WOMEN** are working in agriculture, forestry and fisheries, but **ONLY 13.8%** **OF LANDHOLDERS** are women.

# SDG 5: Gender equality



**5** GENDER EQUALITY

**ACHIEVE GENDER EQUALITY AND EMPOWER ALL WOMEN AND GIRLS**



# Technologies promoting women's empowerment



**TARGET** **5>B**

**PROMOTE  
EMPOWERMENT OF  
WOMEN THROUGH  
TECHNOLOGY**



# Today's agricultural challenges

- Low agricultural production
- Growing world population
- Climate change
- Urbanisation and industrialisation
- Shrinking of arable land

**Sustainable intensification of agriculture is needed**

**Data play a critical role**

# The gender and climate nexus

**80%** of people displaced by climate change are **women**

Women represent the majority of agricultural workforce

Women have unequal access to land and property rights



# ESA Space for Earth Initiative



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# The largest producer of EO data in the world



FULL, FREE AND OPEN  
ACCESS TO DATA



-  ATMOSPHERE MONITORING
-  MARINE ENVIRONMENT MONITORING
-  LAND MONITORING
-  CLIMATE CHANGE
-  EMERGENCY MANAGEMENT
-  SECURITY



# ESA Food Security TEP Initiative



## Three pilots:

- Agricultural intensification in **Germany and Belgium**
- Microfinance in **Kenya**
- Aquaculture in **Tanzania**

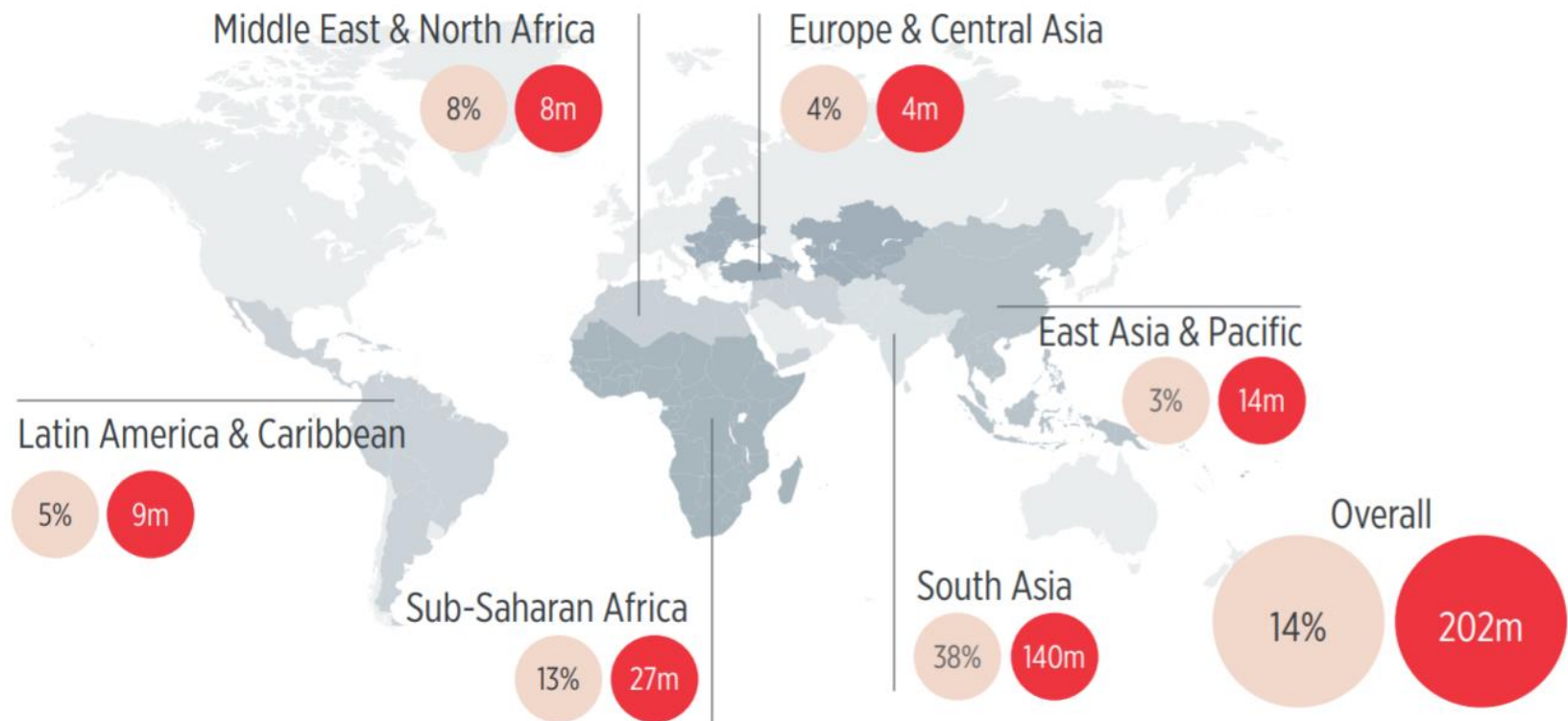


**food security**  
tep



# Gender gap in mobile phone ownership in low- and middle-income countries

Gender gap in ownership by region (% absolute number of females)



Source: GSMA Intelligence and World Bank data, Altai Consulting analysis

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# Leveraging technology to empower women & girls

