Space Data for Gender Empowerment

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2015 – UN adopt SDGs
Gender equality across the SDGs

1. **NO POVERTY**
   - 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.

2. **ZERO HUNGER**
   - Globally, women had a 10% higher risk of experiencing food insecurity than men in 2018.

8. **DECENT WORK AND ECONOMIC GROWTH**
   - The labour force participation rate of women aged 25 to 54 is 55% versus 94% for men in the same age group.

11. **SUSTAINABLE CITIES AND COMMUNITIES**
    - Women are overrepresented in slums in 70% of countries where data are available.

12. **RESPONSIBLE CONSUMPTION AND PRODUCTION**
    - 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

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

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

- Middle East & North Africa: 8% (8m)
- Europe & Central Asia: 4% (4m)
- East Asia & Pacific: 3% (14m)
- Latin America & Caribbean: 5% (9m)
- Sub-Saharan Africa: 13% (27m)
- South Asia: 38% (140m)

Overall: 14% (202m)

Source: GSMA Intelligence and World Bank data, Altai Consulting analysis
Leveraging technology to empower women & girls