Secure World Foundation

Secure World Foundation **is a private operating foundation** that promotes cooperative solutions for space sustainability

- **Our vision:** The secure, sustainable and peaceful uses of outer space contributing to global stability and benefits on Earth

- **Our mission**: To work with governments, industry, international organizations, and civil society to develop and promote ideas and actions to achieve the secure, sustainable, and peaceful uses of outer space benefiting Earth and all its peoples

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Agenda 2030

- Millennium Development Goals
  - In effect from 2000-2015
  - Successful at focusing attention and encouraging action
- Sustainable Development Goals
  - Renewed interest
  - ICTs (and geospatial specifically) seen as key resource
  - Variety of actors & industries

How can geospatial technologies and statistics help?

WE CAN END POVERTY 2015 MILLENNIUM DEVELOPMENT GOALS

SUSTAINABLE DEVELOPMENT GOALS

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Geospatial Technology & Data

- Low or high resolution imagery
  - Combined with GPS, GIS, statistical data
- Changing industry and capabilities
- Accessing difficult areas
- Common use cases
  - Disaster management, agriculture, climate change
- Broadening use cases
  - Endless possibilities

Signatories agreed to "promote transparent and accountable scaling-up of appropriate public-private cooperation to exploit the contribution to be made by a wide range of data, including earth observation and geo-spatial information."

International Development

Primary "industry" focused on assisting the developing world

- What is it?
  - Long-term solutions to problems by working to improve economic, political and social systems in sustainable way
- Who are the stakeholders?
  - Governmental organizations, intergovernmental/multi-lateral/regional organizations, private donor entities, non-governmental organizations, contracting companies, developing country governments, space agencies, manufacturers and operators
- How is it carried out?
  - Project lifecycle: planning, implementation, monitoring & evaluation
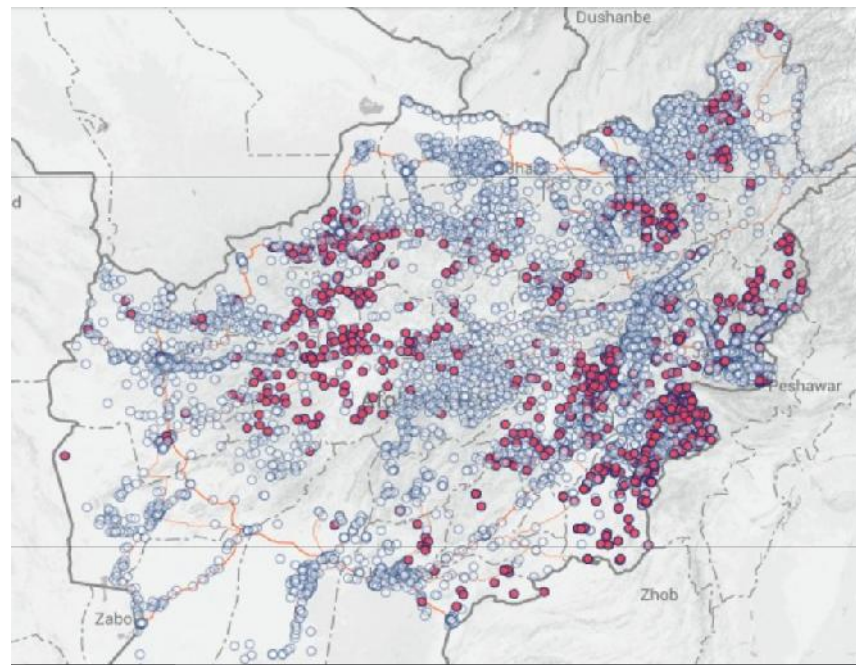
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Across All SDGs

- Poverty mapping
- Disease mapping
- Education and STEM training
- Infrastructure planning
- Illegal activities monitoring
- Democracy and governance

Example: Afghan Elections 2014

Location of audited polling stations

Source: Afghanistan Open Data Project

Challenges & Barriers

Efforts are underway in each category but difficulties remain

- Cost and licensing

- Technical capacity

- Limits of data

- Donor skepticism

- Privacy concerns

How can these be constraints be further reduced?

Conclusion

Coming in February: The Handbook for New
Space Actors

Available at: https://swfound.org/

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