



EO for Development Cooperation

A German Perspective

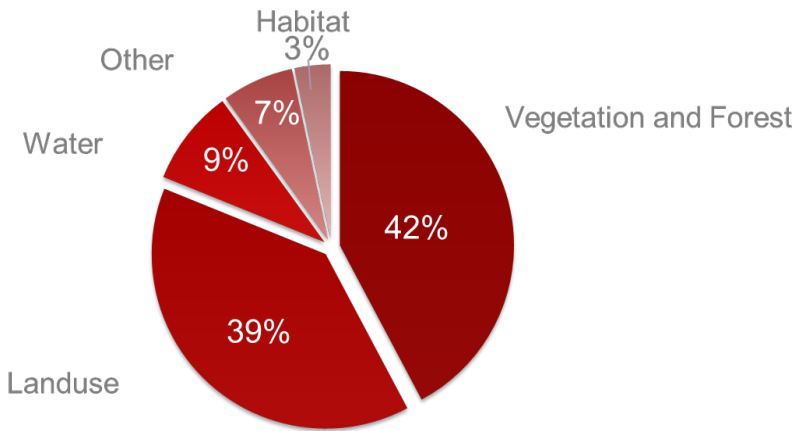
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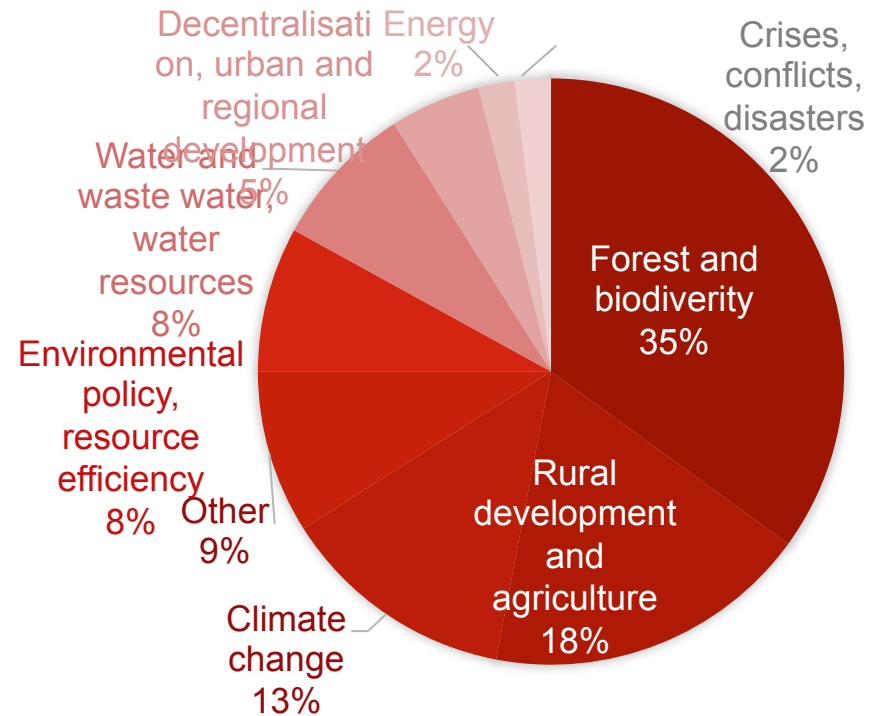
Eschborn and Bonn, Germany



Use of EO in GIZ projects – Sectors



Survey mainly among projects in the green sector (2014/2016, N=32)



Survey among ongoing projects (9/2018, N = 100)



Use of EO in GIZ projects – Countries



- Ongoing projects using EO (as of Sept. 2018)



Future information needs – EO in the Global Program on Soil

- **Dashboard** for project monitoring and knowledge management as well as communication between steering unit and country projects.
Collect information on yield (or biomass), land cover, weather, population density, fire, etc.
- **Application** of EO for improved operational planning and impact monitoring (one pilot country)
Develop cost-efficient, sustainable and user-friendly solutions



Future information needs – WHOSE needs?

- Monitoring officer at headquarters
 - Project manager in partner country
 - Officer from national government responsible for reporting on international agreements and conventions (e.g. UNCCD, UNFCCC, UNCBD, SFDRR, SDGs...)
 - Local planner or decision-maker involved in territorial planning
 - Farmer keen to increase yields or adapt to climate change
 - ...
- Different end-users need different kinds of information in different formats.
- There is no one-size-fits-all solution.
- Digital Principle: Design together with the user!



Applying Digital Principles to EO project design



Design with the user



Build for sustainability



Reuse and improve



Understand the existing ecosystem



Be data driven



Address privacy and security



Design for scale



Use open standards, open source and open innovation



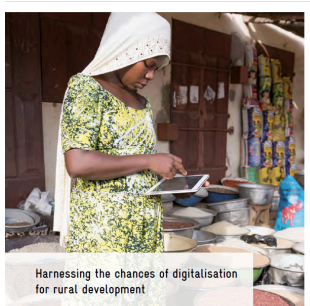
Be collaborative

Principles for Digital Development of the Digital Impact Alliance (DIAL) endorsed by GIZ at the United Nations Foundation in 2018.



Unleashing the potential of ICT for Agriculture

1. Explore local ICT ecosystem
2. Implement user-centered approach
3. Protect farmers' data
4. Support only sustainable ICT business models
5. Integrate ICT solution in a mainstream public institution
6. Ensure that information is of good quality
7. Encourage learning and exchange
8. Closely engage with partners
9. Implement ICTs as an integral part of projects
10. Rethink monitoring and evaluation framework
11. Explore different software solutions
12. Ensure post-piloting



Lessons-learned in German-funded rural development projects



The way forward – Remotely but jointly sensed

Establish information platform (and archive) for development agencies to exchange on projects using satellite earth observation

→ Create synergies, avoid duplication of efforts



Interactive map of
GIZ projects using
remote sensing



Thank you very much for your attention!



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