

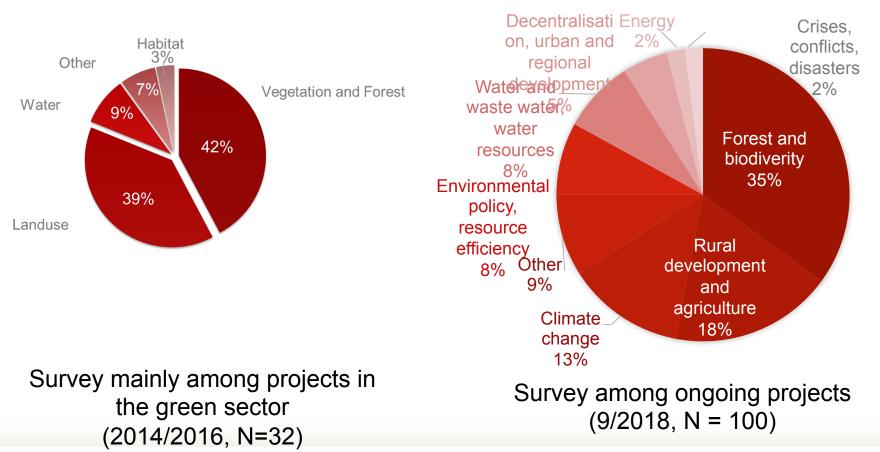
EO for Development Cooperation A German Perspective

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Use of EO in GIZ projects – Sectors





Use of EO in GIZ projects – Countries



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



Future information needs – Field of application

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IJ	ГT fo	or Deve	lopment Assist	ance		
C	omr	nunitv	(DAC) Initiative	2		
			its by the German Development			
Pag	-	information: "The	ITT will develop an environment	whore the Official		
Dev	velopmen	t Assistance (OD	A) actors from across the commun	nity (i.e. IFIs/MDBs, na	tional	
aid	agencies	, international N	Os, ODA approved countries, indi	ustry) can access		
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		Which data/information is needed? cover change		Countries		
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	Land 1 Land 1	Which data/information is needed? cover change Land cover change degradation and rel Land cover change (LDN metric) Land productivity (LDN metric)	Who would use the data abilitation Cf. alove and Political discurs Focal obidal Political discurs Focal points Political discurs Focal points UNCCD	Countries Madagascar, many of, above global		
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- Land cover change
- Land degradation/rehabilitation
- Agricultural productivity
- Forest status and cover
- Coastal dynamics
- Hazard monitoring and forecasting
- Wildlife monitoring
- Climate monitoring and forecasting
- Detection of mining sites

→ Landscape approaches are increasingly important !



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

• ...

- \rightarrow Different end-users need different kinds of information in different formats.
- \rightarrow There is no one-size-fits-all solution.
- → Digital Principle: Design together with the user!



Applying Digital Principles to EO project design



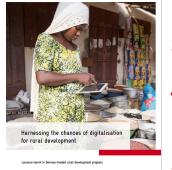
Principles for Digital Development of the Digital Impact Alliance (DIAL) endorsed by GIZ at the United Nations Foundation in 2018.



Unleashing the potential of ICT for Agriculture

- 1. Explore local ICT ecosystem
- 2. Implement user-centered approach
- 3. Protect farmers' data
- 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
- Implement ICTs as an integral part of projects
- 10. Rethink monitoring and evaluation framework
- 11. Explore different software solutions
- 12. Ensure post-piloting



giz beter besteret



The way forward – Remotely but jointly sensed

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

\rightarrow 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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