

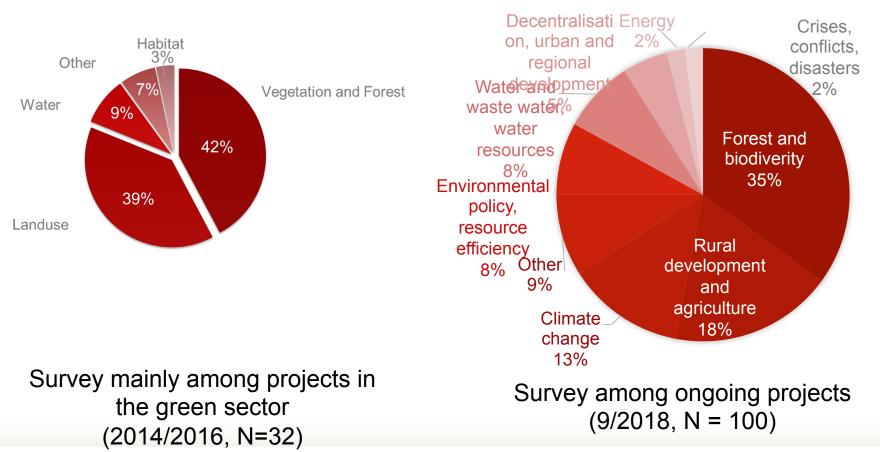
# EO for Development Cooperation A German Perspective

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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 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



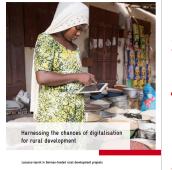
Principles for Digital Development of the Digital Impact Alliance (DIAL) endorsed by GIZ at the United Nations Foundation in 2018.



# 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



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#### 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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