

An Initiative of the Federal Ministry of
Education and Research

GRoW

WATER AS A GLOBAL RESOURCE



Breakout Session 3

Digitalisation - opportunities for implementing SDG 6

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Breakout Session 3 – Digitalisation - opportunities for implementing SDG 6: Key challenges

- Lack of data sharing / model access
- Preservation, sharing and reuse of outputs
- Manage data flow (structuring)
- Applicability of standards
- Unifying outputs to combine them
- To complete EO data ground data is often missing or not accessible / reusable
- Ground data often not explicitly georeferenced
- Uncertainties in processing large amounts of data
- Abuse of publicly available data
- Derive new practical application from opening opportunities
- Good internet access

Breakout Session 3 – Digitalisation - opportunities for implementing SDG 6: Key opportunities

- Quality assurance (by meta data)
- Applying existing standards
- Open data communication culture
- Citizen science / crowd sourcing
- Digital twin (digital representation of a complex real world system in all relevant aspects)

Breakout Session 3 – Digitalisation - opportunities for implementing SDG 6: Recommendations

- Making use of „FAIR“ standards (Findable Accessible Interoperable and Reusable)
- Use and extend community platforms for accessing data
- Develop data reuse ethics
- Adopt open source policy / reusable source code
- Assistance for (non-)expert users (extended meta data)
- Be aware of sensitivity and purpose of data (meta data)
- Joint platform for end users / meta data search engine
- Ready to use data for specialized or commercial applications
- Funds for follow-up for data management / dissemination
- Communication of uncertainties to end users
- Focus on mobile end devices for end users