



Bundesministerium für
wirtschaftliche Zusammenarbeit
und Entwicklung



Freie
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für Internationale
Zusammenarbeit (GIZ) GmbH

Earth Observation for coastal protection in Benin and Togo

NEREUS, Brussels

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Rationale for project

- Increase experience in the integration of EO information in the planning and monitoring process of public and private entities.
- Improve the infrastructure and qualification of users for the evaluation of the data and preparation of relevant and specific information.
- Utilize the potential of EO data, esp. Copernicus programme, for planning, decision making and monitoring of projects in Africa.
- Increase the knowledge and awareness of decision-makers and technical staff in municipalities, administration and ministries.

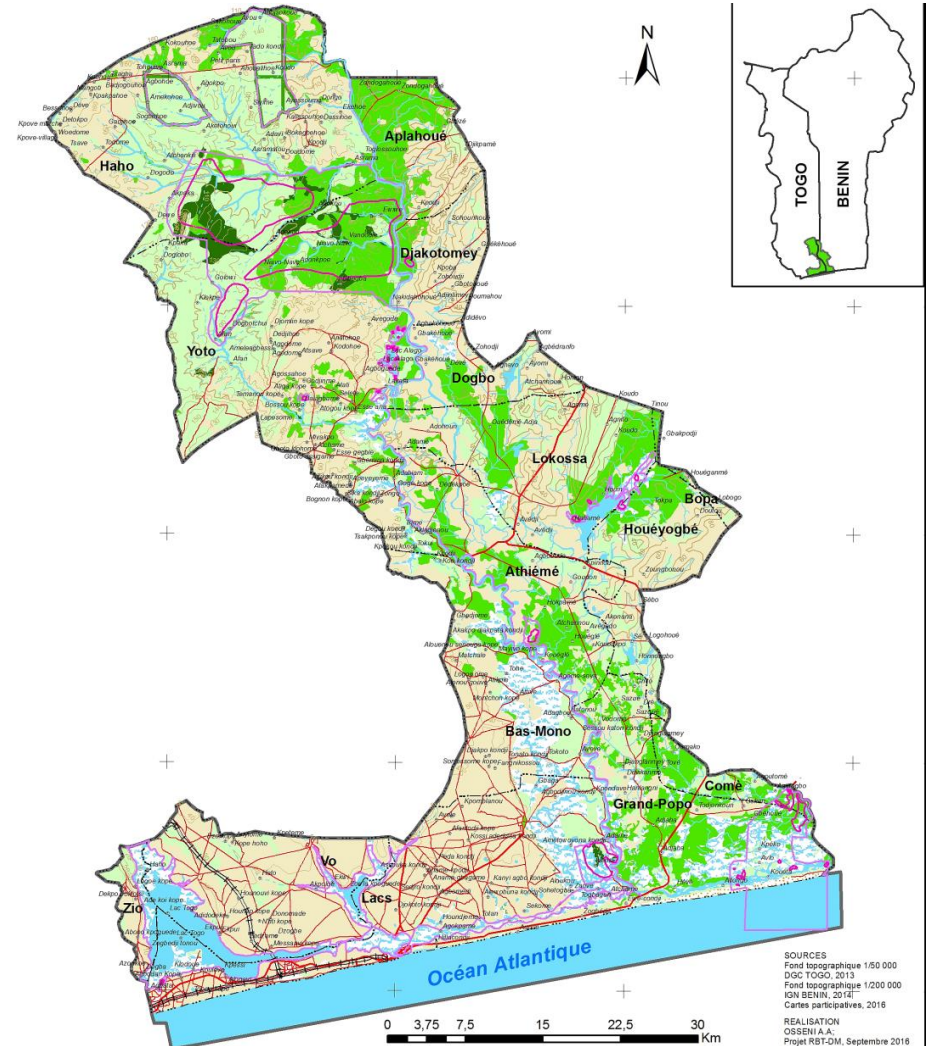


Aim of the project

- Development and testing of a pilot application with the use of earth observation based on a concrete problem (e.g. land use change, loss of biodiversity, coastal change, monitoring of fisheries) in the Biosphere Reserve Mono.



Transboundary UNESCO Biosphere Reserve Mono Delta in Benin and Togo





Possible topics of planned EO application

- Water quality, esp. pollution phenomena,
- Coastal erosion
- Fisheries management,
- Land use and management,
- Degradation of mangroves



Source: www.copernicus.eu



Previous steps

Development of a proposal for EO pilot project in coastal and marine protection in cooperation with on-going project in Africa

- Fact finding mission to analyse EO options for pilot project in Benin in October 2017
- Workshop with main stakeholders in Grand-Popo in November 2017



Next steps

- Detailed description of application and the requirements to fulfill needs of local population
- Specification of technical requirements for the pilot application
- Training of the partner institutions
- Development of an application according to requirements
- Testing of application and adaptation

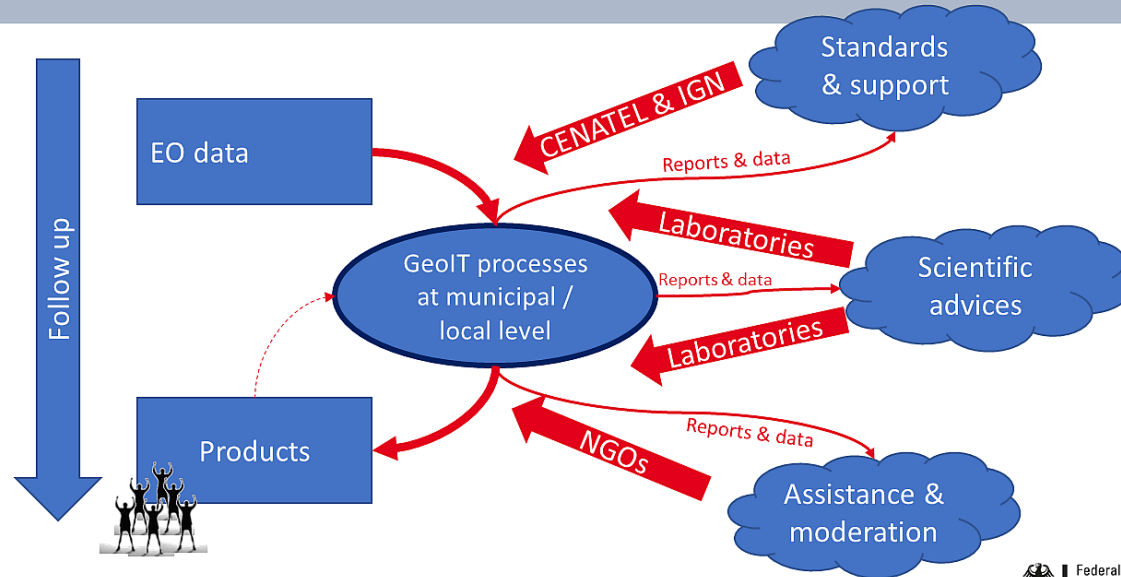
Example: Mangrove monitoring





Proposal for integration of EO in Benin

Potential for satellite Earth Observation in an organizational context





Thank you for your attention

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