EO4SendaiMonitoring
GEO Community Activity WP 2020-2022
Objectives and Outputs

• Develop a **good practice guidance** on how to integrate EO data and technology in the monitoring for the Sendai Framework

• Co-develop a **pilot tool**, following the principles of digital development, that showcases the use of EO and other geodata to derive a specific Sendai indicator in 2 or more countries (case study)

![Image](Source: Pixabay.com/TRackow)
How does this activity support the Sendai Framework?

PROGRESS OF GLOBAL TARGETS
COUNTRY REPORTING OVERVIEW

195 countries total
91 Not started
90 in progress
2 ready for validation
12 validated

REPORTING YEAR: 2018

TARGET REPORTING OVERVIEW

A: Mortality
B: People affected
C: Economic loss
D: Critical infrastructure & services
E: Disaster risk reduction strategies
F: International cooperation
G: Early warning and risk information

109 Not started
21 In progress
23 ready for validation
42 validated

120 Not started
21 In progress
25 ready for validation
29 validated

132 Not started
29 In progress
12 ready for validation
22 validated

151 Not started
12 In progress
9 ready for validation
23 validated

121 Not started
16 In progress
13 ready for validation
29 validated

150 Not started
16 In progress
13 ready for validation
16 validated

133 Not started
27 In progress
16 ready for validation
19 validated

→ Target group: Sendai national focal points and monitoring authorities
How does your activity relate to national /regional DRR efforts?

• A consistent and complete national monitoring leads to a better understanding of disaster risk and preparedness for an effective response

• Case: Germany
  • Inform risk assessments on the national and state level
  • Support end-users: Interministerial Working Group for the implementation of the SFDRR + national focal point
  • Vital information base in Germany for proper decisions
    ➔ National Resilience Strategy
What are the challenges that you face, and how can we start to turn these challenges into opportunities?

• “Kick-off the activity”
  • More partners to cooperate
  • Developing a common understanding of this activity

• Transfer SF Monitoring demands into EO methods
  • Level of detail requested unclear → Need to be defined by end-user
  • Which information loss is tolerable? → Need to develop a best effort

• Monitoring of buildings/critical infrastructure damage
  → Test and evaluate VHR data; assess trade off between HR and VHR data
Next Steps

- **Kick off Telco** at the End of February with a broader group of interested organizations
- **Enhance the number** of participants
- **Define a common understanding** of the objectives and finalizing the implementation plan
- **Defining a working structure** for the activity and defining the participants roles
Thank you for your kind attention!

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