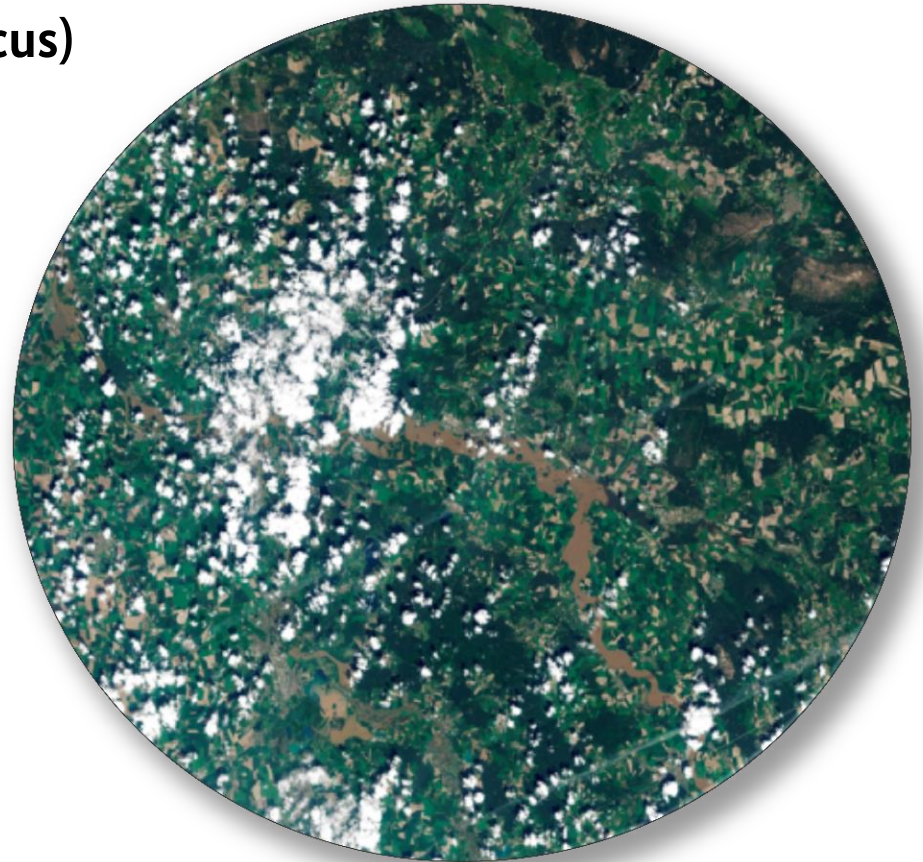


# Use of satellite technologies at the Federal Office of Civil Protection and Disaster Assistance

Fabian Löw | 22-November 2017 | UN / Germany International Conference



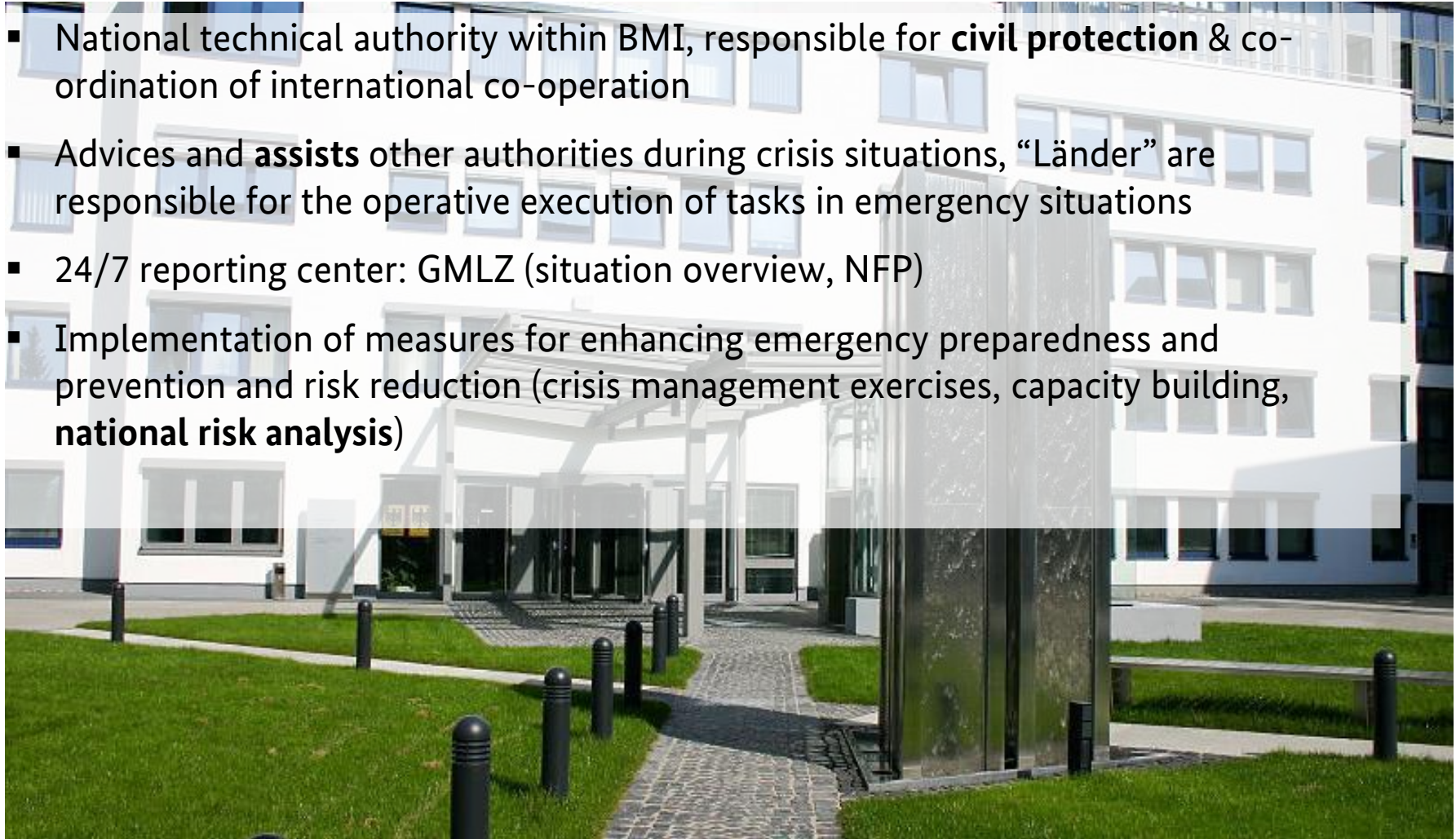
- 1. What is the BBK?**
- 2. How do we use EO data? (Copernicus)**
- 3. What are the next steps? (Sendai)**





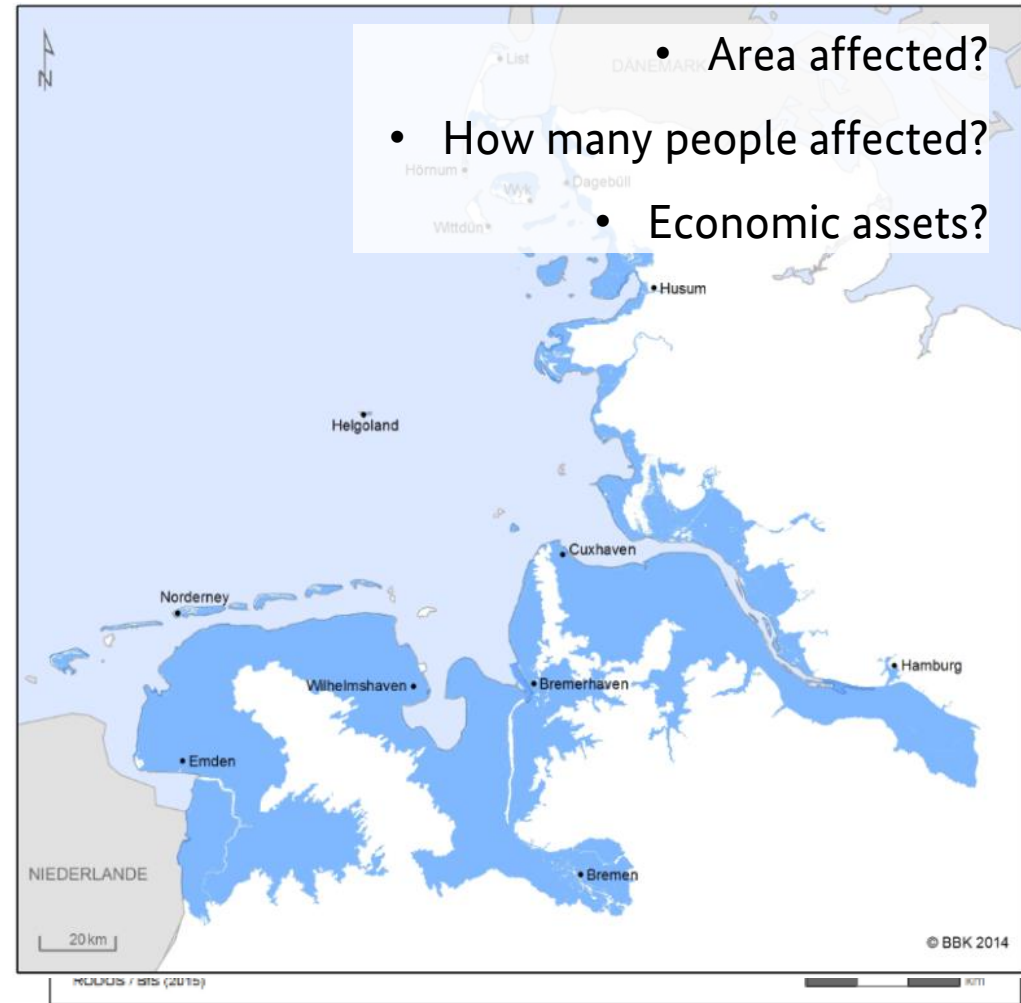
# Federal Office of Civil Protection and Disaster Assistance

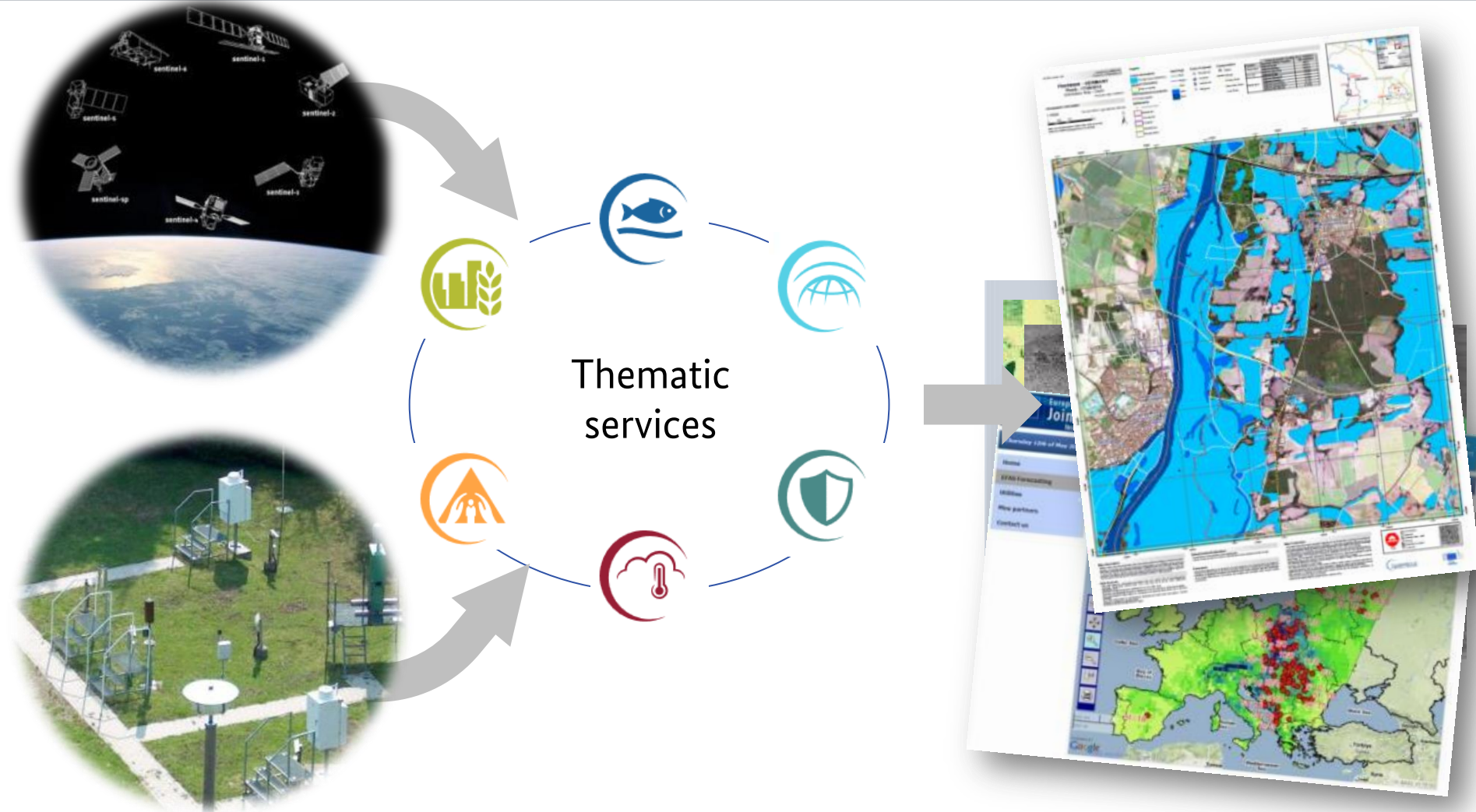
- National technical authority within BMI, responsible for **civil protection** & co-ordination of international co-operation
- Advices and **assists** other authorities during crisis situations, “Länder” are responsible for the operative execution of tasks in emergency situations
- 24/7 reporting center: GMLZ (situation overview, NFP)
- Implementation of measures for enhancing emergency preparedness and prevention and risk reduction (crisis management exercises, capacity building, **national risk analysis**)



# National risk assessment

- Civil Protection and Disaster Assistance Act (ZSKG)
- Tool to evaluate civil protection capabilities, management capacities and emergency preparedness
- Uses scenario-based risk analyses (reasonable worst case), once yearly at the national level
- **Gaps** (e.g. economic assets, quantitative assessments)
- **Solution:** Better understand disaster risk with the help of using remote sensing derived products







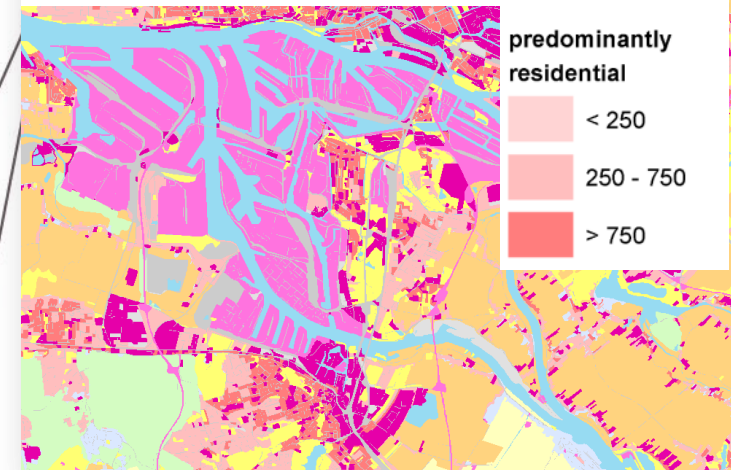
# „Geoinformation in each phase of the disaster management cycle“



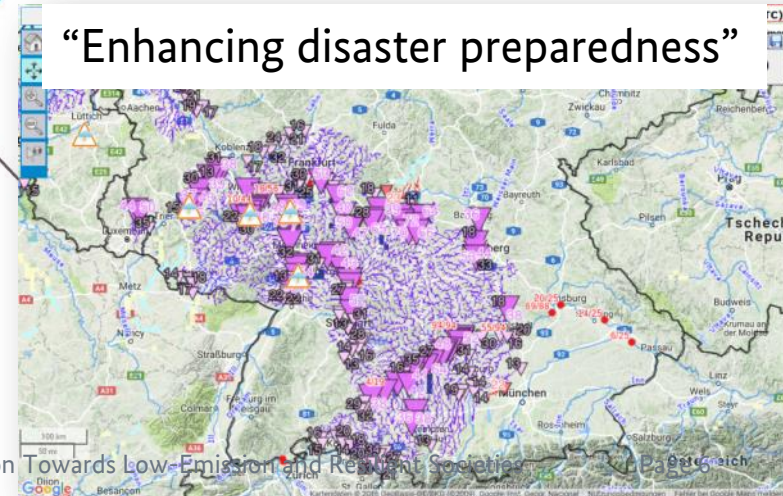
## “Understanding disaster risk”



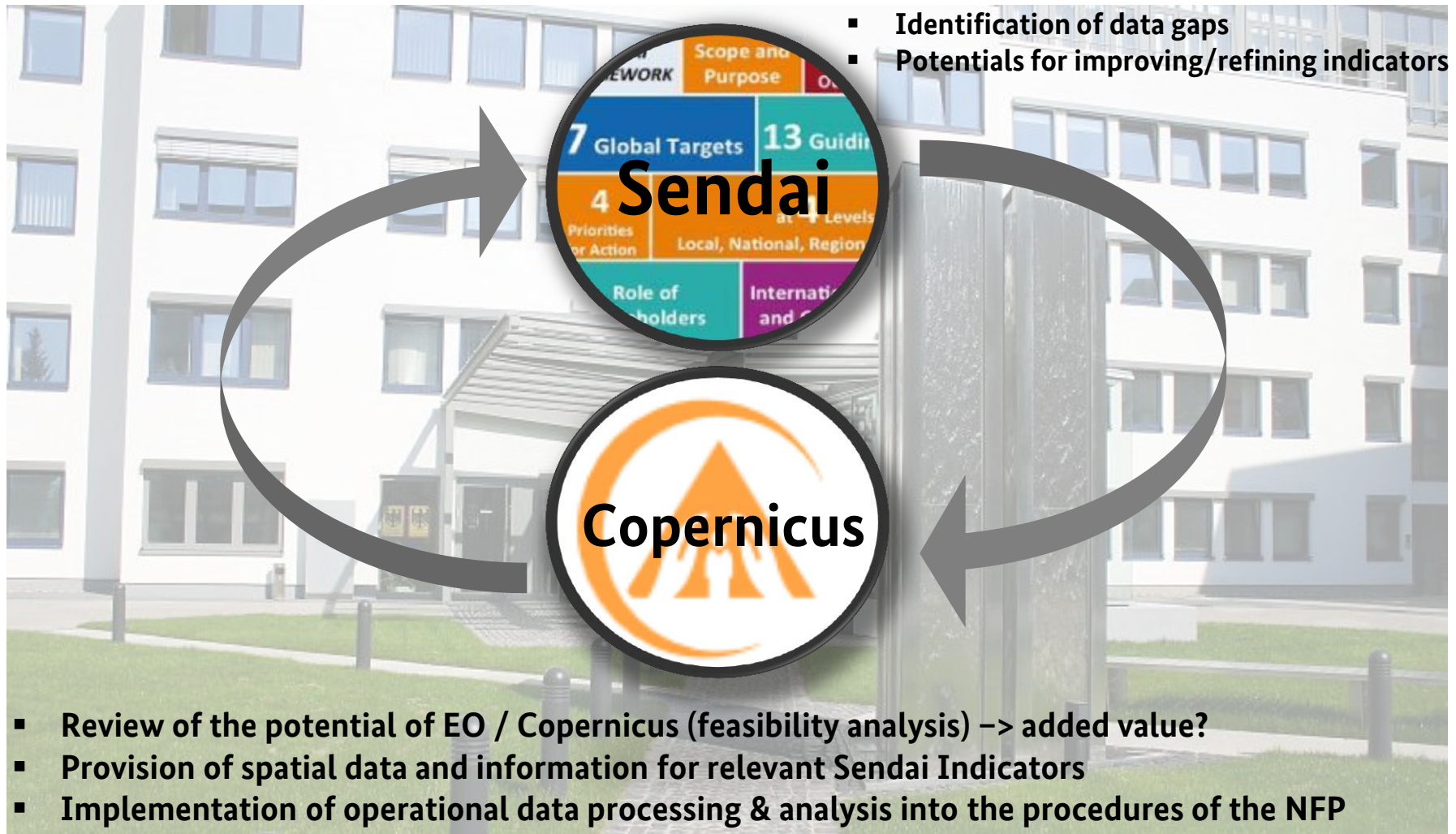
## “Understanding disaster risk” <sup>m<sup>2</sup></sup>



## “Enhancing disaster preparedness”



# Synergy between Sendai & Copernicus





- Recognize potential of using EO in all phases of disaster management
- Focus on supporting disaster response (e.g. create EO products via Copernicus, e.g. on behalf of others like THW)
- Advice other authorities (“Länder”, Counties, municipalities) who design and implement disaster risk reduction measures to use EO data
- Plan a stronger uptake of EO technology in DRR related activities: Monitoring Sendai indicators





Federal Office  
of Civil Protection and  
Disaster Assistance



# Thank you for your kind attention!

## Kontakt

Dr. Fabian Löw

Division I.1 Crisis Management Principles / IT Procedures

Federal Office of Civil Protection and Disaster Assistance

E-Mail: [fabian.loew@bbk.bund.de](mailto:fabian.loew@bbk.bund.de)

Web: [www.bbk.bund.de](http://www.bbk.bund.de)

**Copernicus EMS:** <http://emergency.copernicus.eu/>

**National Email Newsletter (in German):** [copernicus.ems@bbk.bund.de](mailto:copernicus.ems@bbk.bund.de)



**BBK.** Working together. Living in safety.