

DLR Center for Satellite Based Crisis Information (ZKI)

Dr. Stefan Voigt

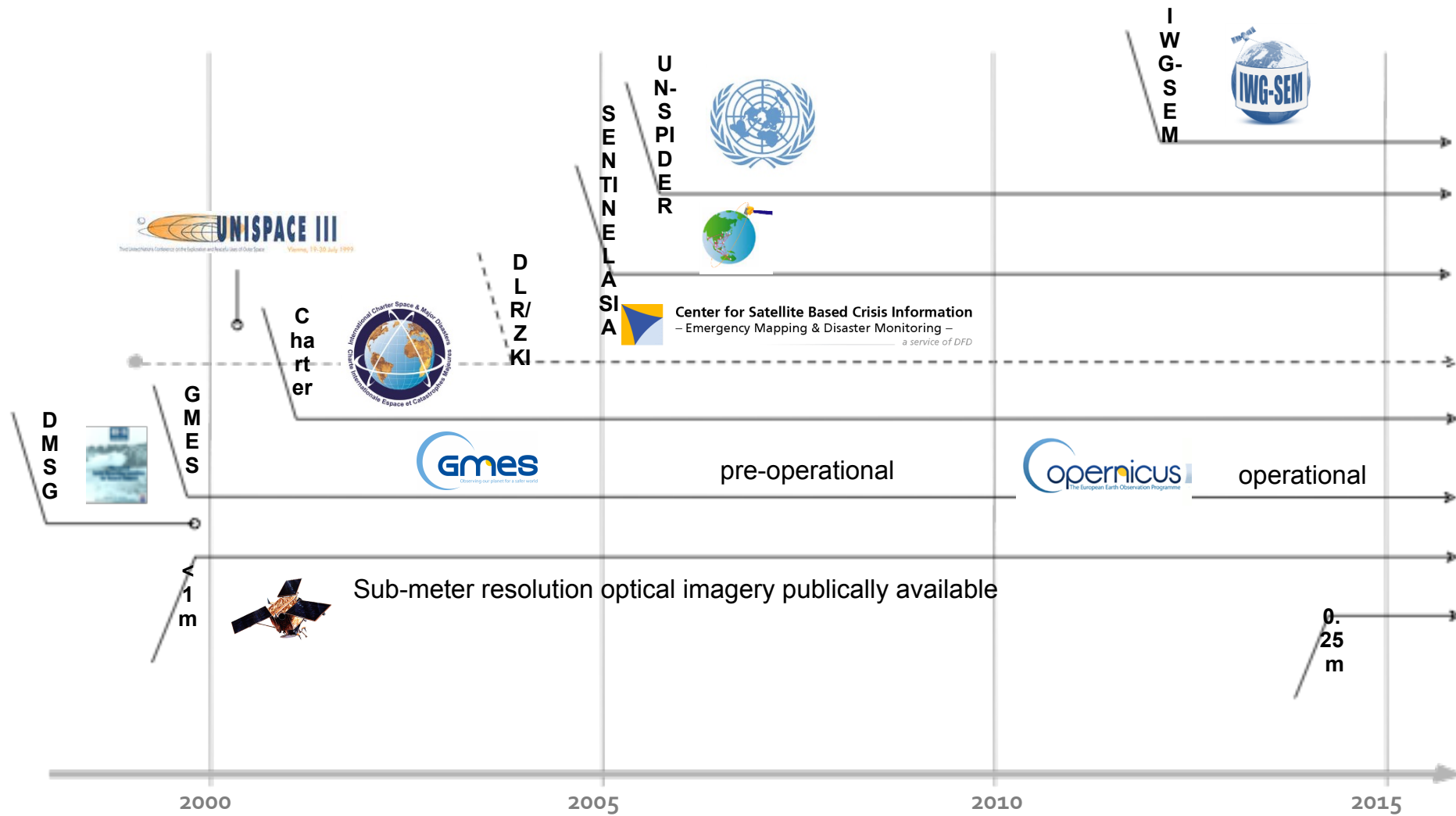


Knowledge for Tomorrow

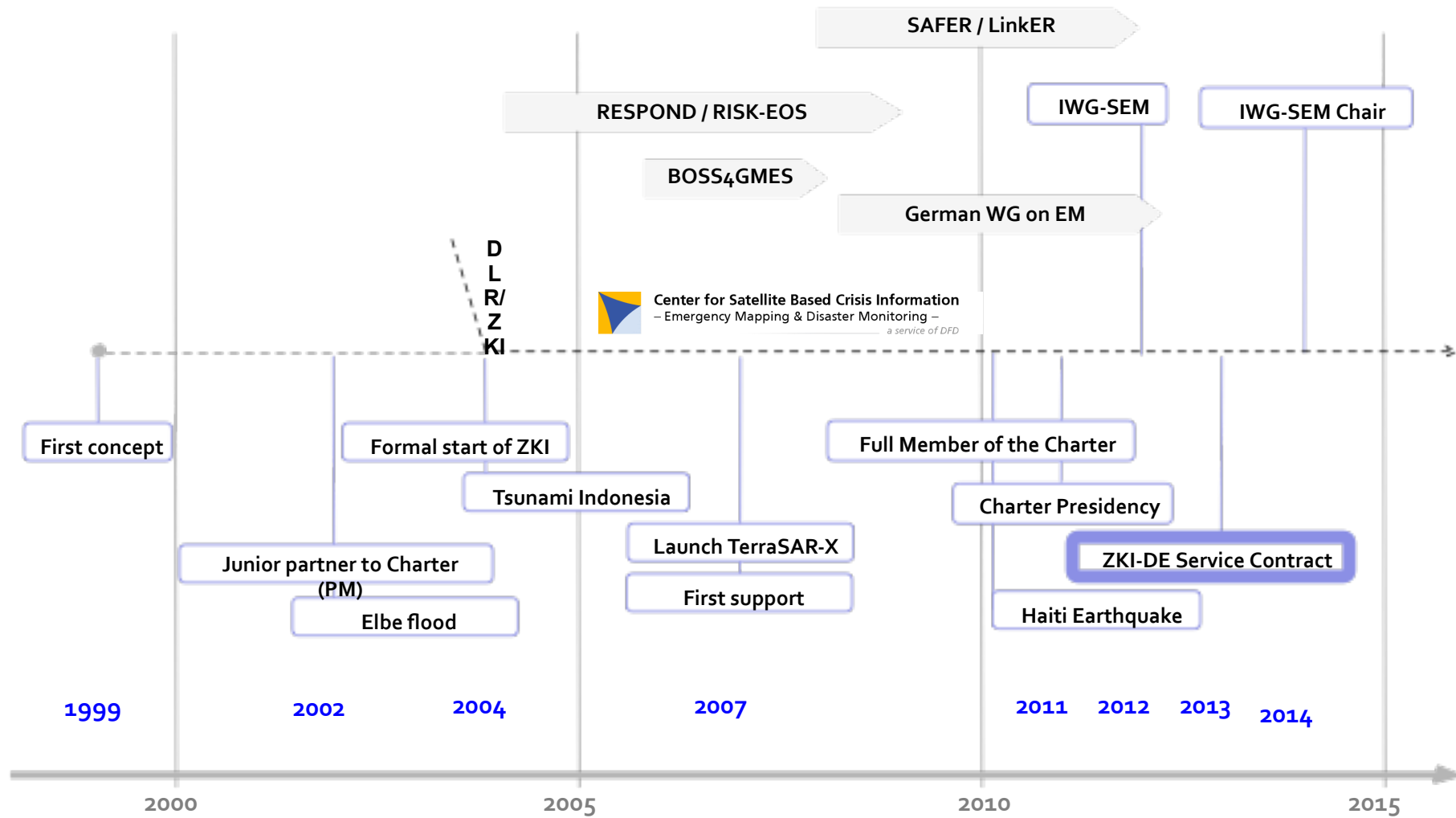
ZKI – Center for Satellite Based Crisis Information



Emergency Mapping – Developments of the past 15 years



Emergency Mapping – Development of ZKI





Scenarios



Crisis Management

	Flood		Landslide
	Earthquake		Vulcanic Eruption
	Wild Fires and Burn Scars		Technical Accident
	Tsunami		Humanitarian crisis
	Severe storm		

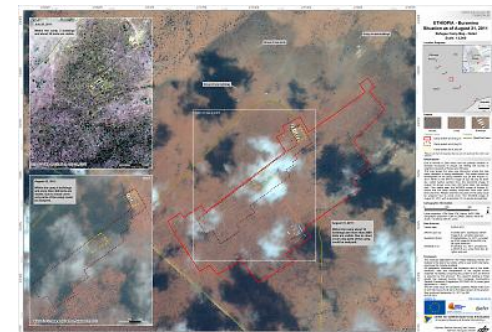
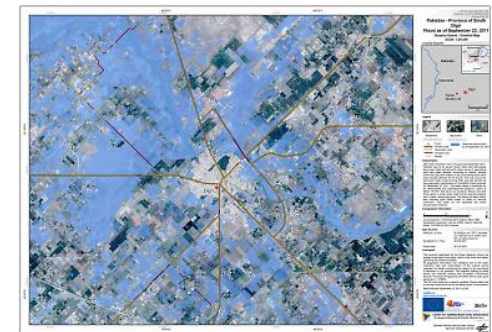
Civil Security

	Mega event
	Evacuation and Preparedness
	Personal Protection, Hostage
	Police Investigation

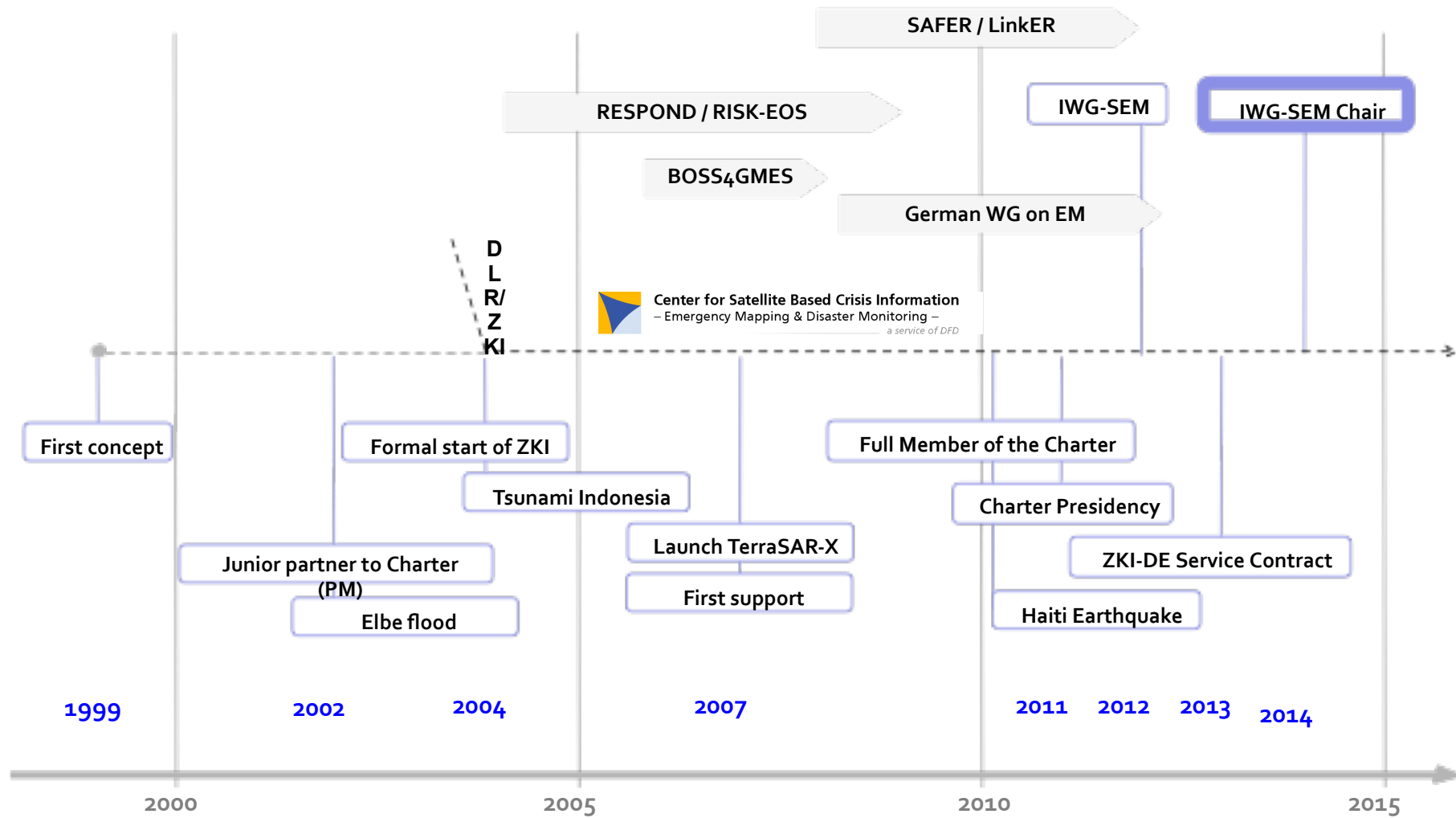


DLR Center for Satellite Based Crisis Information (ZKI)

- ... provides 24/7 service for
 - rapid mapping and damage assessment
 - monitoring crisis situations
 - reference mapping for disaster preparedness



Emergency Mapping – Development of ZKI



International Working Group on Satellite based emergency Mapping – IWG-SEM – initiated in 2011



- Harmonisation
 - Cooperation
 - Guidelines
 - Open to new partners
- ▶ www.iwg-sem.org



Network

IWG-SEM

National Focal Points

Regional Support Offices

Post-2015 Disaster Risk Reduction

International Working Group on Satellite based Emergency Mapping (IWG-SEM)

The International Working Group on Satellite-based Emergency Mapping (IWG-SEM) is a voluntary group of

ed emergency e cooperation, ds among the jency mapping nominated for a organizing the he current chair Mapping of the

erson at venues meetings are ps forward. The discussions on

rough following

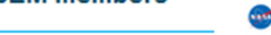
satellite based

ency mapping definition of capacities and re appropriate

(M) is open to lite Emergency use of satellite contribute to the

IWG-SEM members

ADPC



AHA Center



AIT



AKDN-FOCUS



CNES



CU-Boulder



DFO



DLR



EC-ECHO



EC-GROW



EC-JRC



ESA



GEO



GWU



HHI-SP



HRW



ICIMOD



ITHACA



JAXA



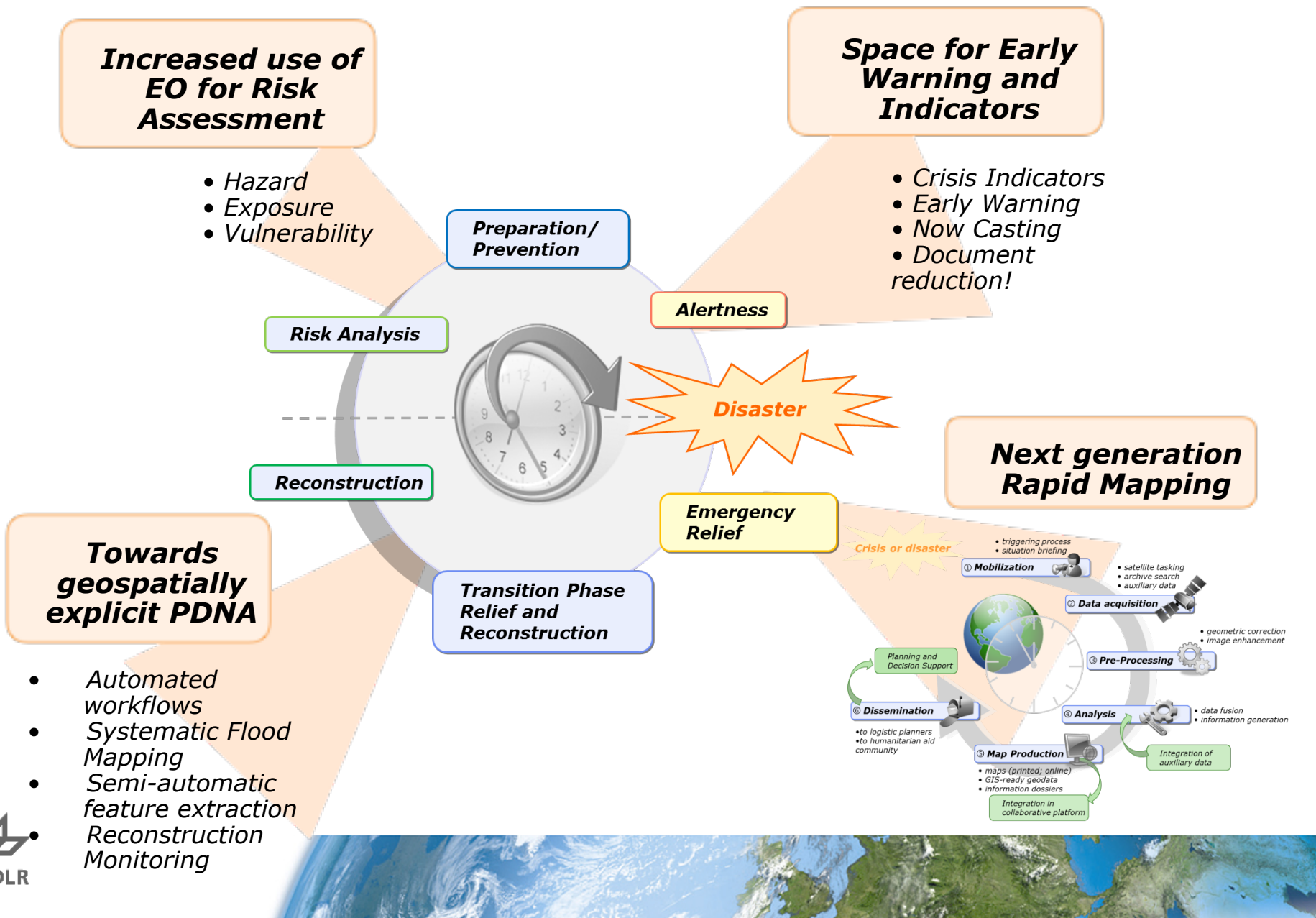
EMERGENCY MAPPING GUIDELINES

Working Paper
Draft Version 1.0 - March 2014

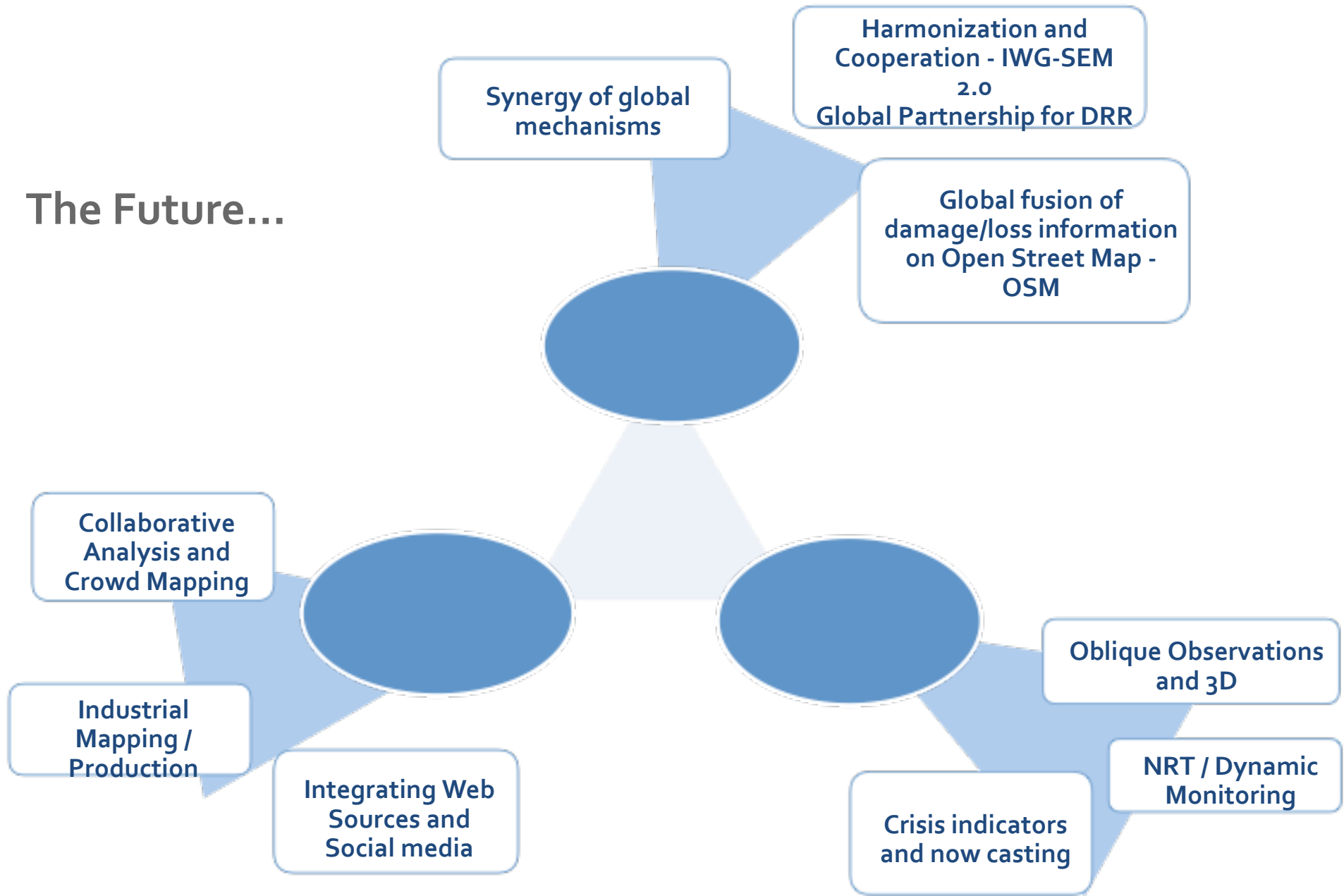


Please contact [iwg-sem \[at\] dlr.de](mailto:iwg-sem[at]dlr.de) (subject: Info%20on%20iwg-sem) (IWG-SEM email) for additional information on IWG-SEM membership and activities.

Disaster cycle: From Response to Reduction!



The Future...





Thanks for your kind attention

stefan.voigt@dlr.de

