



UNITED NATIONS
Office for Outer Space Affairs

Global settlements in Disaster Risk reduction

Ignite talk @ Human Planet Forum, Sep 13-15 2017

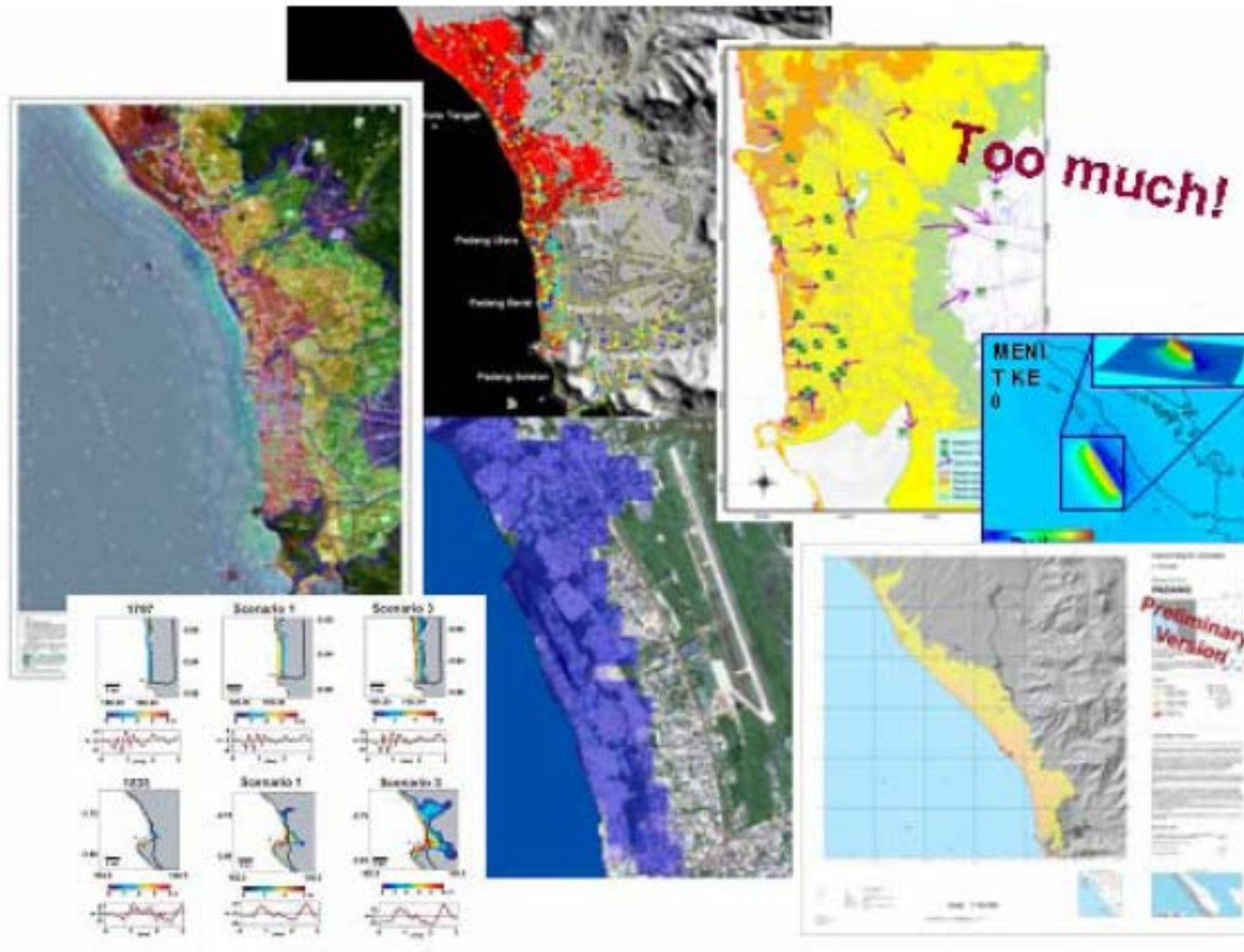
United Nations Office for Outer Space Affairs
United Nations Office at Vienna
www.unoosa.org



Global Settlements in disaster risk reduction

- **Essential for risk assessment and understanding risk (e.g. dynamic exposure)**
- **Track changes, global metrics (e.g. the Atlas)**
- **Sendai Targets, priorities for actions (global, national level)**
- **Displaced people, flow of people**
- **Impact-based Early Warning systems**
- **Access to data and information important, especially at national level**
- **But conceptual guidance is needed, incl. capacity development**

The Dilemma



- Process of officialization, “consensus”
- From information to appropriate action



Challenge: Diversity of applications available

Multifaceted data, applications and integrated systems targeting same information and knowledge demand available

- Each application / system as such valid
- But: Provide different outputs and outcomes for same requirement
- Countries face more and more difficulties to evaluate which data source, application / service fits their purpose

→ Conceptual guidance on applications / integrated systems, their outcomes and interpretability urgently needed

→ Will enhance uptake, use and implementation at national level



GP-STAR Terms of Reference

Global Partnership using space technology applications for DRR - GP-STAR:

- is to facilitate the use of Earth Observation as well as satellite-based technology and application ... for application in the context of the Sendai Framework for Disaster Risk Reduction 2015-2030 (Sendai Framework)

Partners (29):





Brochure – Fact sheets (24)

Systematic collection of:

- Area of action
- Reference to Sendai F.
- Example product
- Application field, Methodology, key result, innovative impact
- Application status
- Area coverage
- Background
- Key publications and contacts



Risk components:

Hazard (16), Exposure (12), Vulnerability (9), risk (4)

Sendai Framework component:

Global targets (7), Pri 1 (19), Pri 2 (5), Pri 3 (1), Pri 4 (17)



Application status:

Pilot study / Pre-operational (8), Service / Operational (10), Policy option / guideline (2)





Work plan

1. **Baseline study: What methods, initiatives, results do exist (GP-STAR brochure)**
2. Baseline study: Comparing, evaluating and documenting
3. Develop recommended practices / conceptual guidance
4. Feasibility and demonstration studies
5. Evaluate transferability, robustness
6. Develop and conduct capacity-building
7. Generate policy relevant advise



Link Human Planet initiative working group and GP-STAR

- e.g. “joint” working group on global settlements for DRR**
- Work on conceptual guidance**
- Funding required**



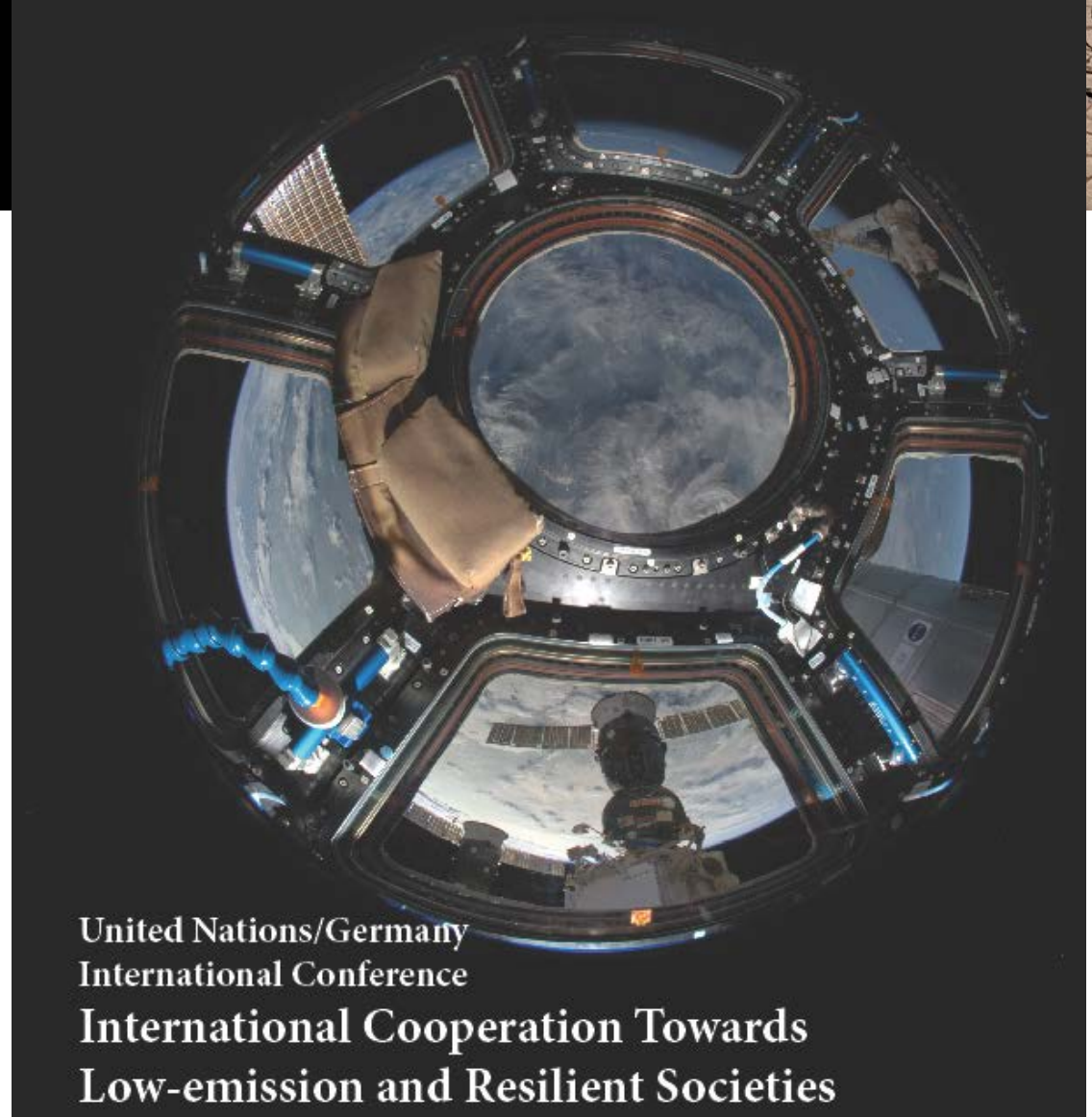


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Invitation to
Conference

Nov 22-24, 2017

Bonn, Germany



United Nations/Germany
International Conference
**International Cooperation Towards
Low-emission and Resilient Societies**



UNITED NATIONS
Office for Outer Space Affairs

22-24 November 2017
United Nations Campus,
Bonn, Germany

 Registration



Global Partnership using Space
Applications for Disaster



Federal Ministry
for Economic Affairs
and Energy



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