

# 1. ITC DRR Core academic expertise

- Use of spatial information sciences in Hazard and Disaster Risk Management, Urban Planning and Governance and related issues such as water and food security and geo-health
  - Hazards: spatial modelling of hazards and extreme weather events
  - Risk: spatial multi hazard risk assessment, scenario development
  - Planning: collaborative decision making, scenario development, resettlement, urban growth modelling
- Capacity development and demand driven research and training
- Innovative education at the Univ Twente: design lab, classroom of the future, group decision tables, serious gaming etc.

## 2. Training and professional or policy ties/partnerships

- MSc programme “Hazards, Risk and Engineering”
- MSc programme “Urban Planning and Management”
- MSc programme “Spatial Engineering” (emphasis on disasters)
- Short courses: Multi Hazard Risk Assessment (distance and classroom)
- Erasmus+ curriculum development programme (2017-2018) on Climate Change adaptation (Colombia, Brazil, Paraguay, Chile, NL, IT, ES)
  
- Partnerships: GEO, NASA-server, ADPC, ICIMOD
- Joint research and edu programmes: Indonesia: Gadj Mada & ITB, ChengDu, PeriPeriU, EENSAT  
Ethiopia (Addis, Mekelle, ...)
- UNU – School for Disaster Geo Information Management (stopped in 2015)
- [https://www.itc.nl/Pub/organisation/Memberships/Member\\_organisation.html](https://www.itc.nl/Pub/organisation/Memberships/Member_organisation.html)

### 3. Connections to IRDR research projects (RIA, FORIN, DATA, AIRDR)

- DATA – ITC has several projects on rapid damage assessment (UAV) and economy of recovery (Philippines). ITC and NASA-Servir have a MoU to use remote sensing data for DRR and food security
- ITC has many projects and use cases East Africa, Caribbean and South East Asia. Evaluation of the use of toolboxes like FORIN
- RIA – ITC has several tailor made training course each year on topics related to DRR.

# 4. Potential IRDR ICoE branded activities

- GEO - Human planet forum (branding tentative), Sep 2017 Twente University. Potential links to DATA activities.
  - Organise training session in coop with other IOCE's
- Long term: 2021 World Planning Schools Conference
- EGU meeting Vienna 2018: organize session on disaster risk reduction, promote a more holistic approach. Promote end-user activity
- Transform CHARIM.NET (WB project database of best practices) to IRDR ITC-ICOE knowledge base and add opensource tools and methodologies for decision support.

## 5. What you want to gain from being an active part of the ICoE family

- Promote DRR science and knowledge in planning and decision processes
- Strengthen existing relations (PeriPeri-U) and build on new relations.
- Visibility for ITC in DRR networks and policies, as part of larger organization
- Univ. Twente starting center for resilient cities, may profit from IRDR
- Joined research projects (e.g. 2018 last round EU-Horizon 2020)
- Joined capacity building/training projects

## 6. What you feel next steps should be that you could contribute to to grow/realise the ICoE family

- Added value is in cooperation, be complementary. Where are obvious links?
- IRDR has to make a link with STAG, become leading authority for certain themes. Which themes?
- Become a IPCC like authority for Disaster Related reports.