

# Regional networks for Integrated Risk & Territory Management

Earth Observation Support to Disaster Risk Reduction & Management and Regular Monitoring of Changes



**Users:** EU/EC structures, state+mun. adm., business, NGO,s

**Need:** Understanding & assessment of disaster risks, local and regional vulnerability, strengthening local capacity and networking; Use of commonly accepted and standardised reference LC/LU layer; simulation modelling and prevention strategy planning; Objective regular monitoring of changes;

**Challenge:** enhance operational capacity, integrated approach and networking on disaster risk reduction / regular monitoring of changes

**Initiative:** One of the first practical steps of ReSAC-ASDE toward of Integrated Risk&Territory Management was the French-Bulgarian project BULGARISK (2007-2009 <http://www.resac-bg.org/imgs/BulgariskVersionEnglish.mp4>). During the last 10 years a lot a International and National projects were implemented by our team in collaboration with EU Structures. Recently all these problems are very actual and we are involved in implementation of different EU directives on National and Regional level. The regional networks are a good example of International Collaboration.

1. Establish a consistent networking system of data collection, regular monitoring of changes, research and prevention analysis to ensure a sound knowledge base on natural disasters and disaster mitigation, based on strong national operational capacity and referred to the objective characteristics of each geographical region;

2.To enhance integrated scientific and technical work on DRR/DRM and the trans-national prevention and strategy planning measures and capacities;

3. EU Reference LC/LU layer under ISO 19144-2

**Results:** - strong operational capacity - Remote Sensing&In situ applications & analysis & modelling; developed trans-national methodologies and practices on regular monitoring of changes, based on RS; first in EU trans-border reference LC/LU layer under ISO 19144-2; start of DRR/DRM pilot applications - Local Exposure and Damage Information Dataset

**Service provider:** ASDE-ReSAC - Bulgaria, BIOC Group – Bulgaria, EU partners

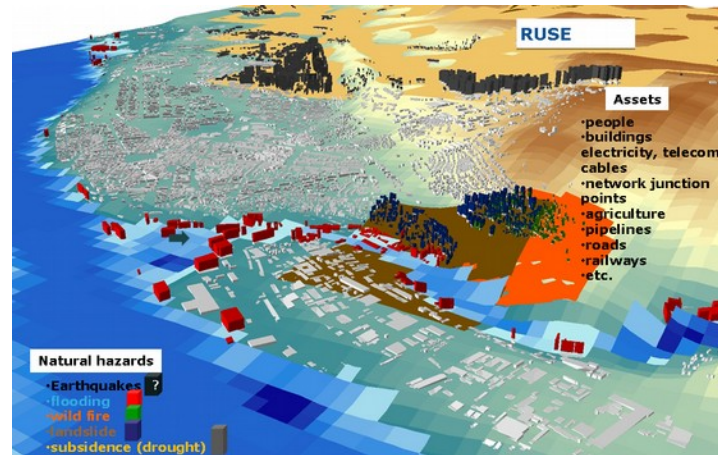


fig. 1 Anticipating damages – Region of Ruse city (trans-border collaboration BG-RO - Danube region) Courtesy: DG JRC-DRMKC, ASDE, ReSAC

