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EUROPEAN UNION



# Rapid Earthquake Damage Assessment Consortium REDACT

• A Black Sea Basin Joint Operational Programme  
2014-20 project

*July 2020 - December 2022*

Common borders. Common solutions.



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- Funding Programme: **Black Sea Basin Joint Operational Programme 2014-20**
- Budget: **974.860,00 € (ENI 896.871,20 €)**
- Duration: **1 July 2020 – 31 December 2022**

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# an Earthquake Disaster Mitigation Decision Supporting System

..to support  
Prevention and  
Preparedness

(a) Assess Seismic Hazard

(b) Calculate RISK

Scenario based



Near REAL TIME

ST1  
ST2  
ST3  
STn

Public Response being  
one of the key factors

(c) Prioritize actions

(d) Allocate resources

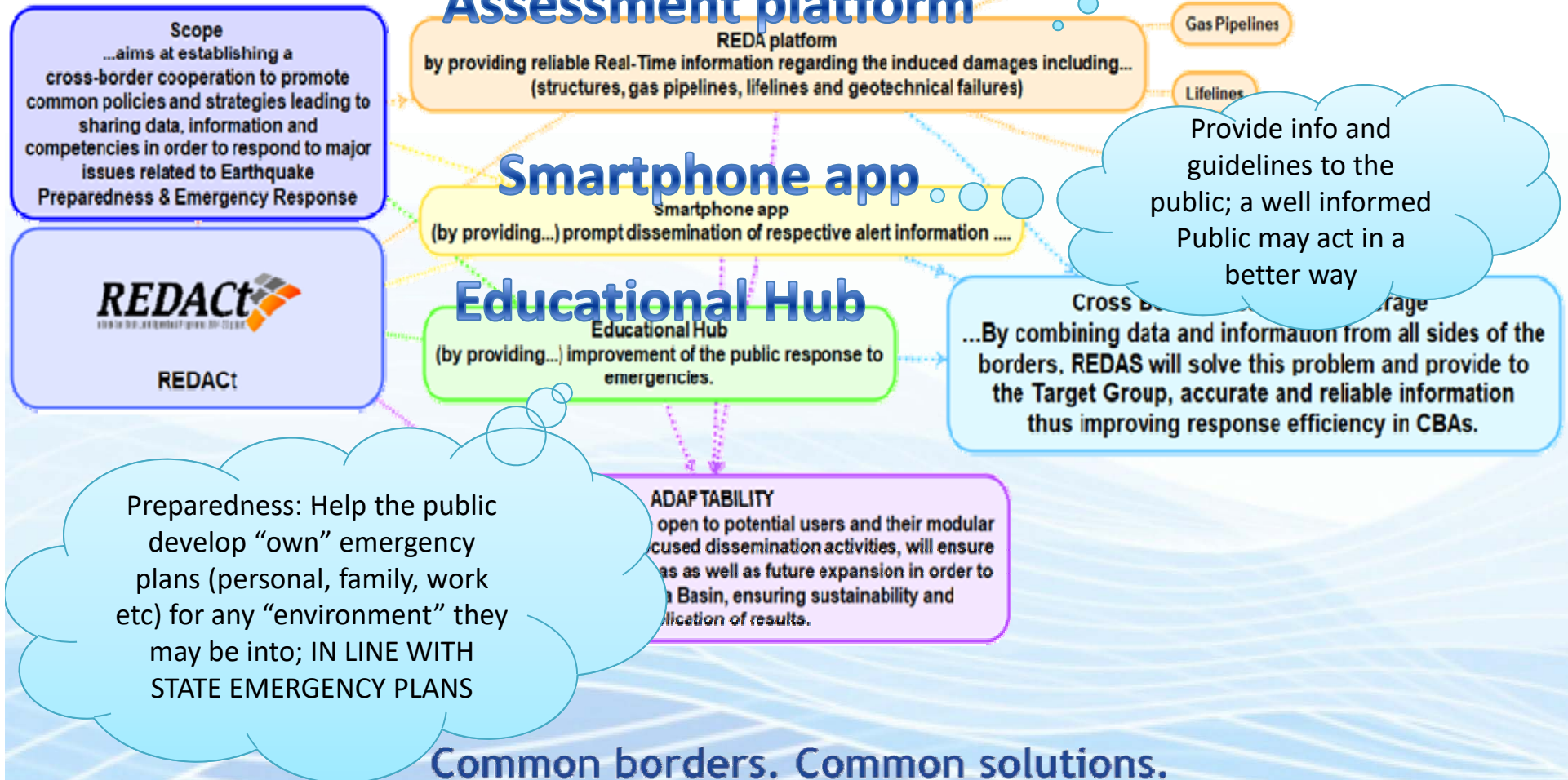
- Search and rescue teams
- Fire department
- Medical staff

(e) Intervene

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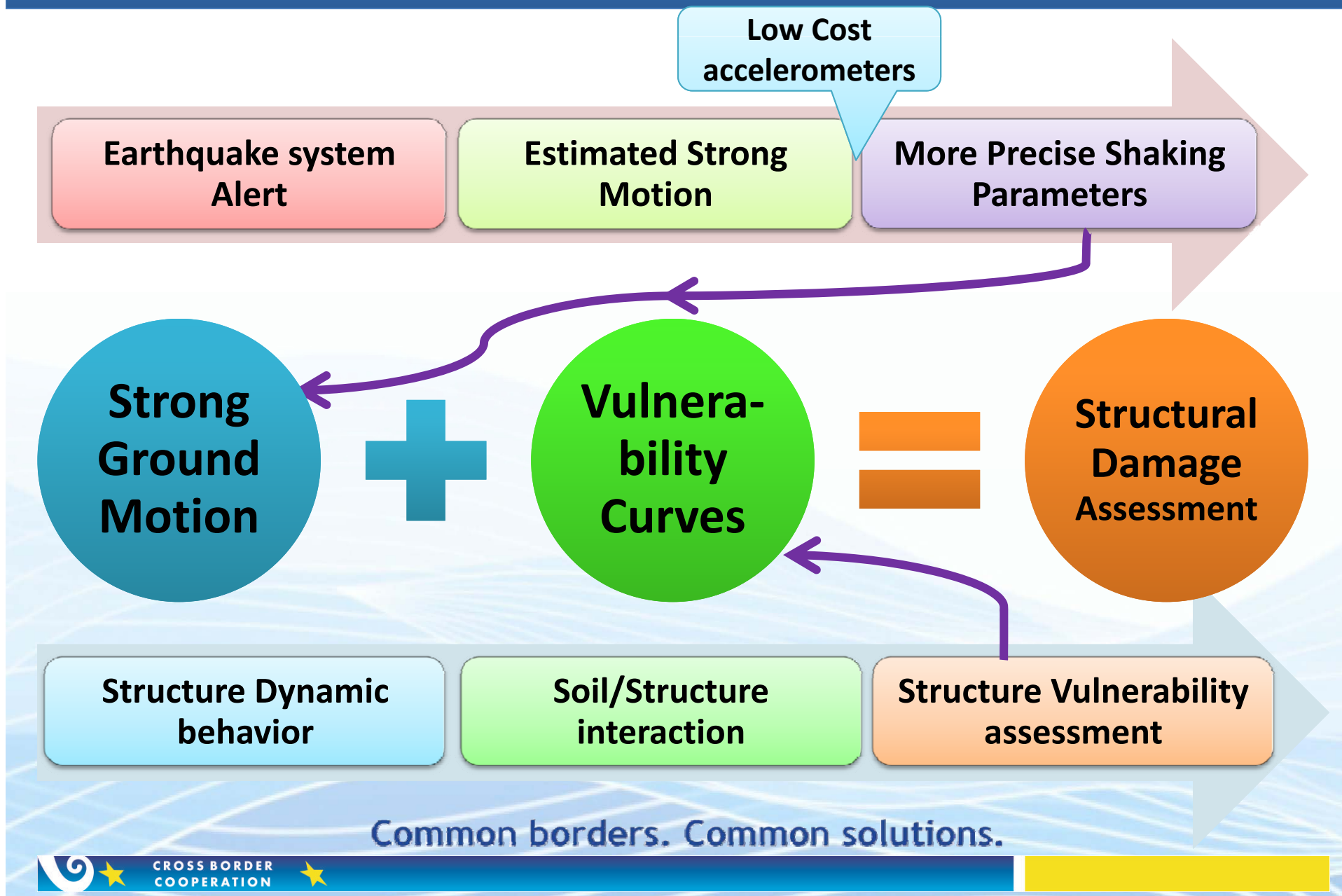
# Improving Earthquake Response: a 3-way intervention <sup>4</sup>

## Rapid Earthquake Damage Assessment platform



# REDA platform Operating Mode

5



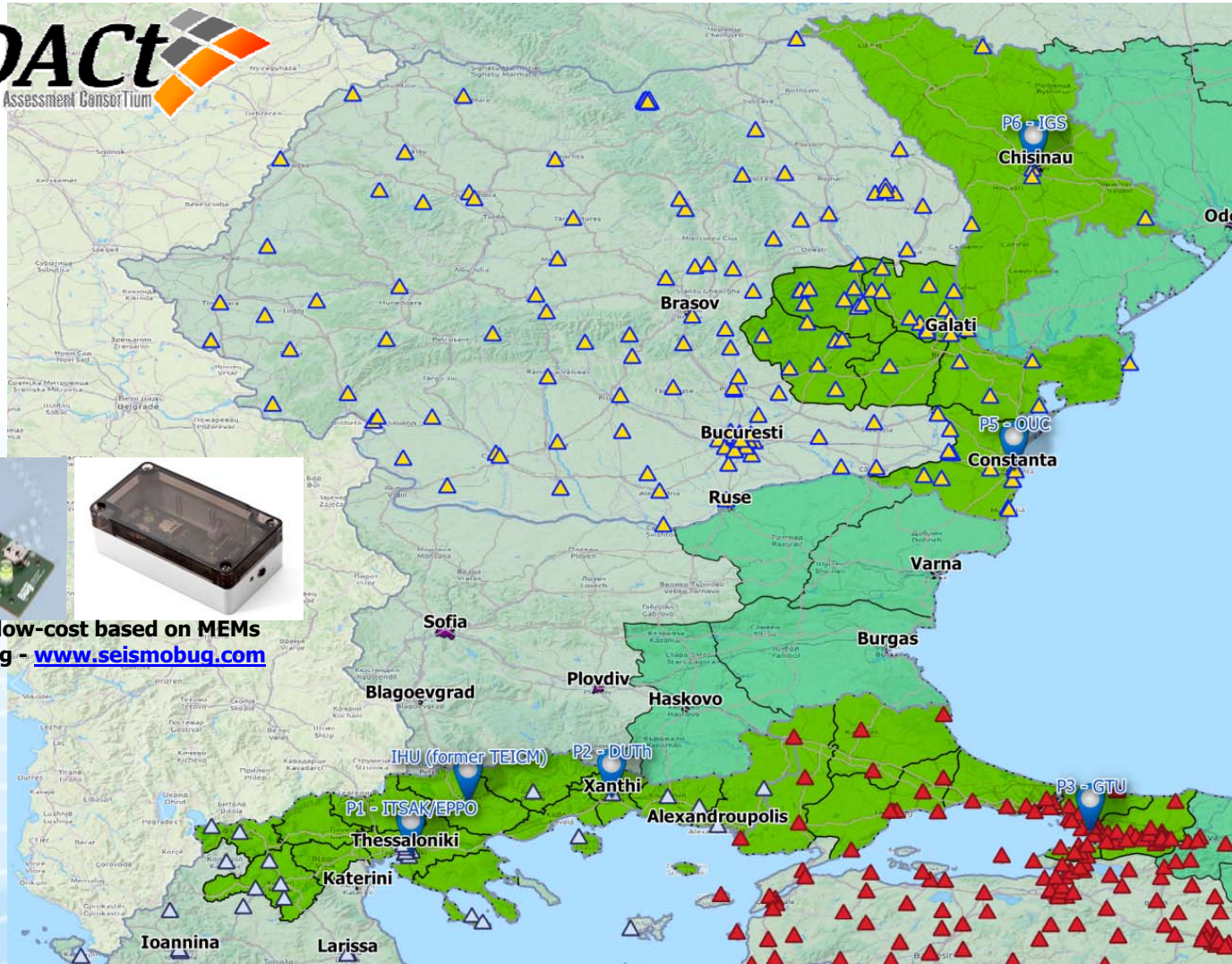


# Available Earthquake Monitoring Networks<sup>6</sup>

**REDACT**  
Rapid Earthquake Damage Assessment Consortium



Digital, low-cost based on MEMS technology - [www.seismobug.com](http://www.seismobug.com)



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ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ  
ΥΠΟΥΡΓΕΙΟ ΕΣΩΤΕΡΙΚΩΝ  
(ΜΑΚΕΔΟΝΙΑΣ-ΘΡΑΚΗΣ)



Περιφέρεια Κεντρικής Μακεδονίας



ΥΠΟΥΡΓΕΙΟ ΠΑΙΔΕΙΑΣ & ΘΡΗΣΚΕΥΜΑΤΩΝ

Περιφερειακή Διεύθυνση Α/θμιας & Β/θμιας Εκπαίδευσης Κεντρικής Μακεδονίας



ΠΕΡΙΦΕΡΕΙΑ  
ΑΝΑΤΟΛΙΚΗΣ  
ΜΑΚΕΔΟΝΙΑΣ  
ΘΡΑΚΗΣ



Διεύθυνση Πολιτικής Προστασίας



Πολιτική Προστασία Κεντρικής Μακεδονίας



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CROSS BORDER  
COOPERATION

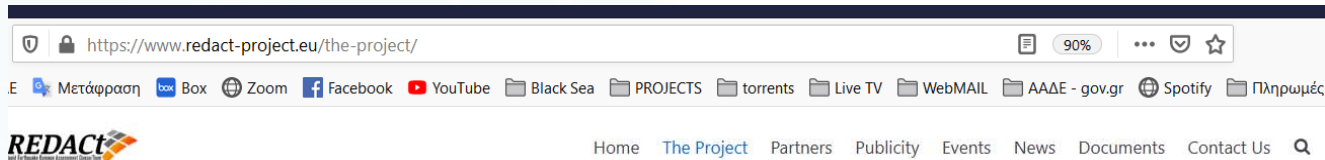


Institutul Național de Cercetare -  
Dezvoltare pentru Fizica Pământului





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<https://www.redact-project.eu/>

Thank You!

#### OVERALL OBJECTIVE

- K. PA... Coordinator
- ... global... prevention, management and seismic risk mitigation, by developing a framework for harmonization and cooperation, as well as a new service, based on innovative ICT-based solutions (a Rapid Earthquake Disaster Assessment System; a Smartphone app; an Educational Hub) going beyond the existing practice in the field of Earthquake Emergency Preparedness and Response.

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