

Operational preparedness policy & Response in case of Earthquake - GREECE



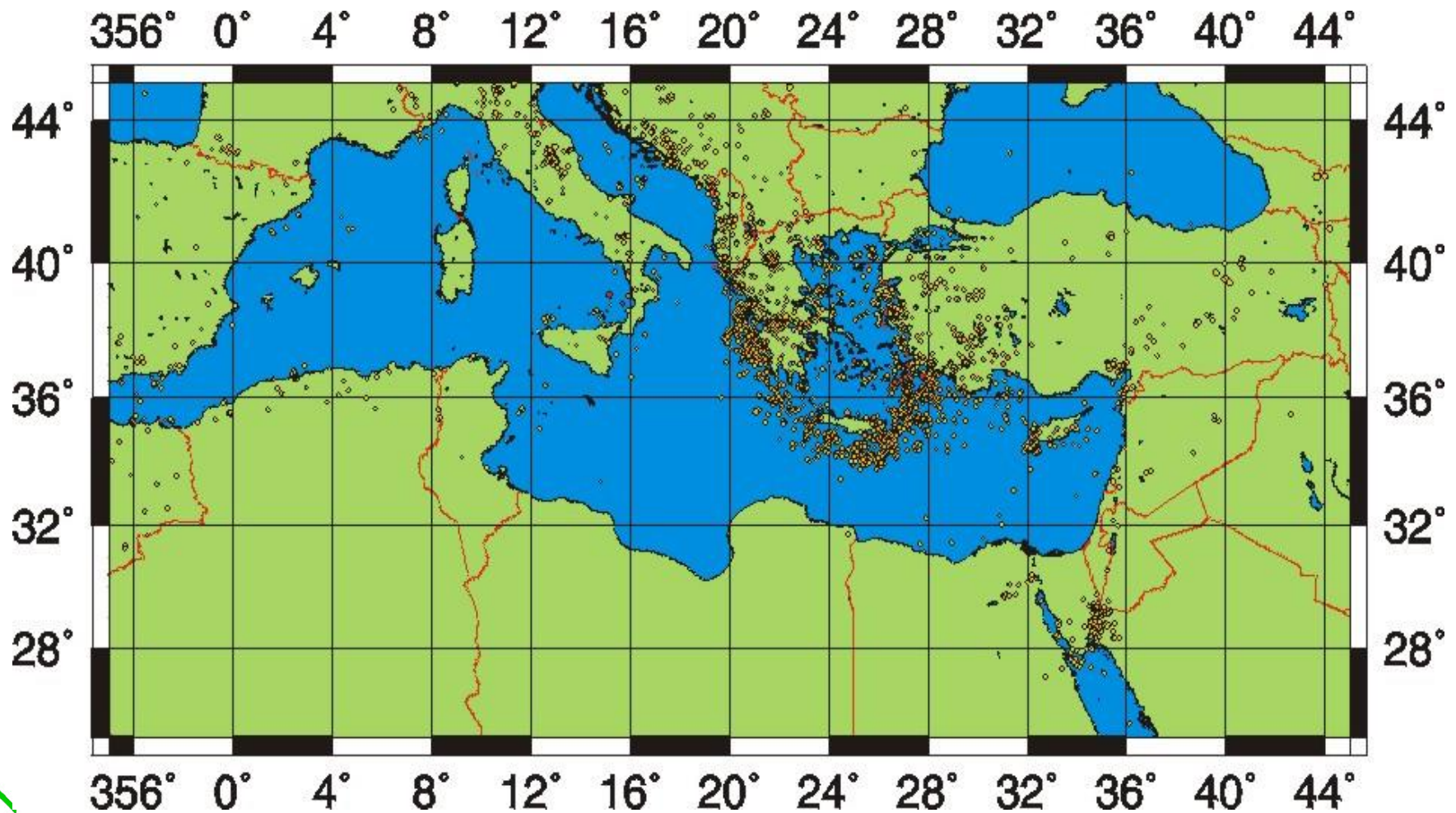
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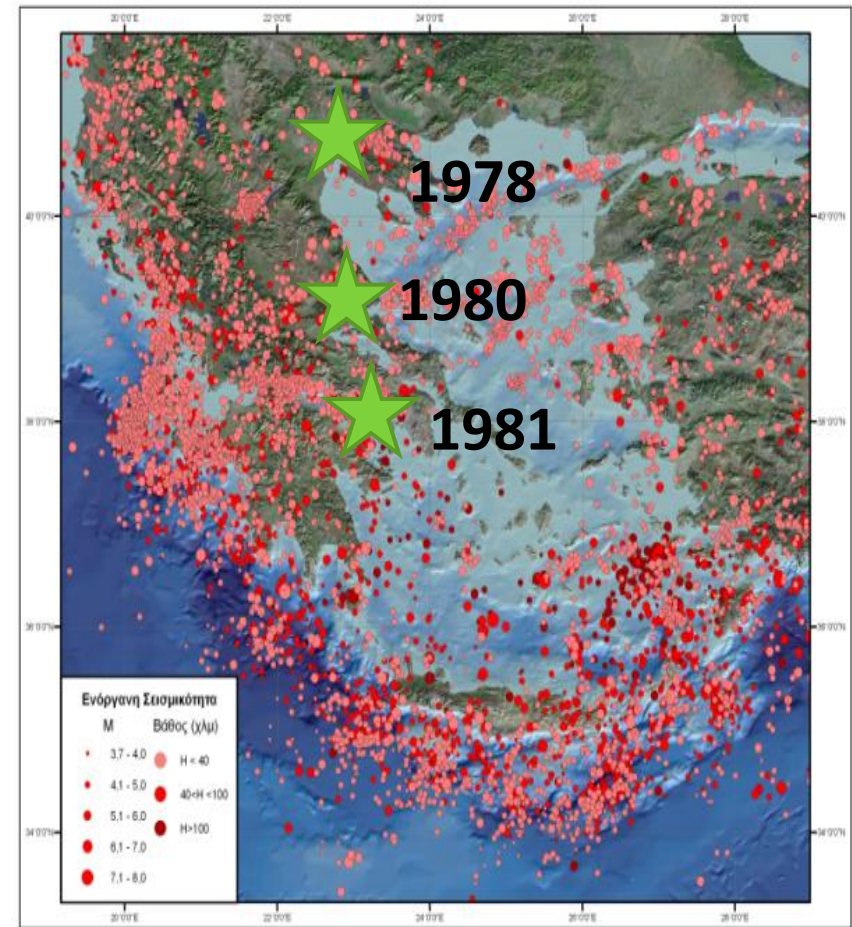
EARTHQUAKE PLANNING AND PROTECTION ORGANIZATION (E.P.P.O.)

Seismicity - Mediterranean area & Greece



Earthquake Planning and Protection Organization (E.P.P.O.)

- Is a Legal Entity of Public Law and operates under the supervision of the Hellenic Ministry of Infrastructure, Transport and Networks
- Was founded in 1983, as **the responsible authority for planning and processing the earthquake policy in Greece** – as well as to coordinate the public and private resources for the implementation of this policy



Seismicity of Greece (1900-2007)



Website: www.oasp.gr

EQ Policy in Greece through E.P.P.O.'s Priority Actions

Supporting & Conducting applied

EQ RESEARCH

- Strengthening seismic capacity of structures through seismic design codes

MITIGATION

- Enhancing knowledge on seismic risk and seismic hazard (Support & development of the National Network of Seismographs and Accelerographs, Neotectonic Maps, etc.)

PREPAREDNESS

- Planning & implementing earthquake preparedness measures (OPERATIONAL PREPAREDNESS – EQ INFO & EDUCATION)

- Contributing in case of a destructive earthquake (responding immediately after an event and collaborating with other involved parts, as advisory body of experts to the local authorities)

RESPONSE POLICY



The EQ preparedness policy in Greece

Measures

The EQ preparedness policy

Strategic Actions

Operational Planning based on Seismic risk management

Initiatives

EQ Planning Workshops

Guidelines and Procedures for earthquake risk management

Table top & Field Exercises at local level

Workshops – seminars to representatives of involved parties

Earthquake Educational Policy

Earthquake School Safety

School Emergency Plans

Earthquake Drills

Earthquake Training Programs

Earthquake Protection Measures

Informative material and Educational Programs

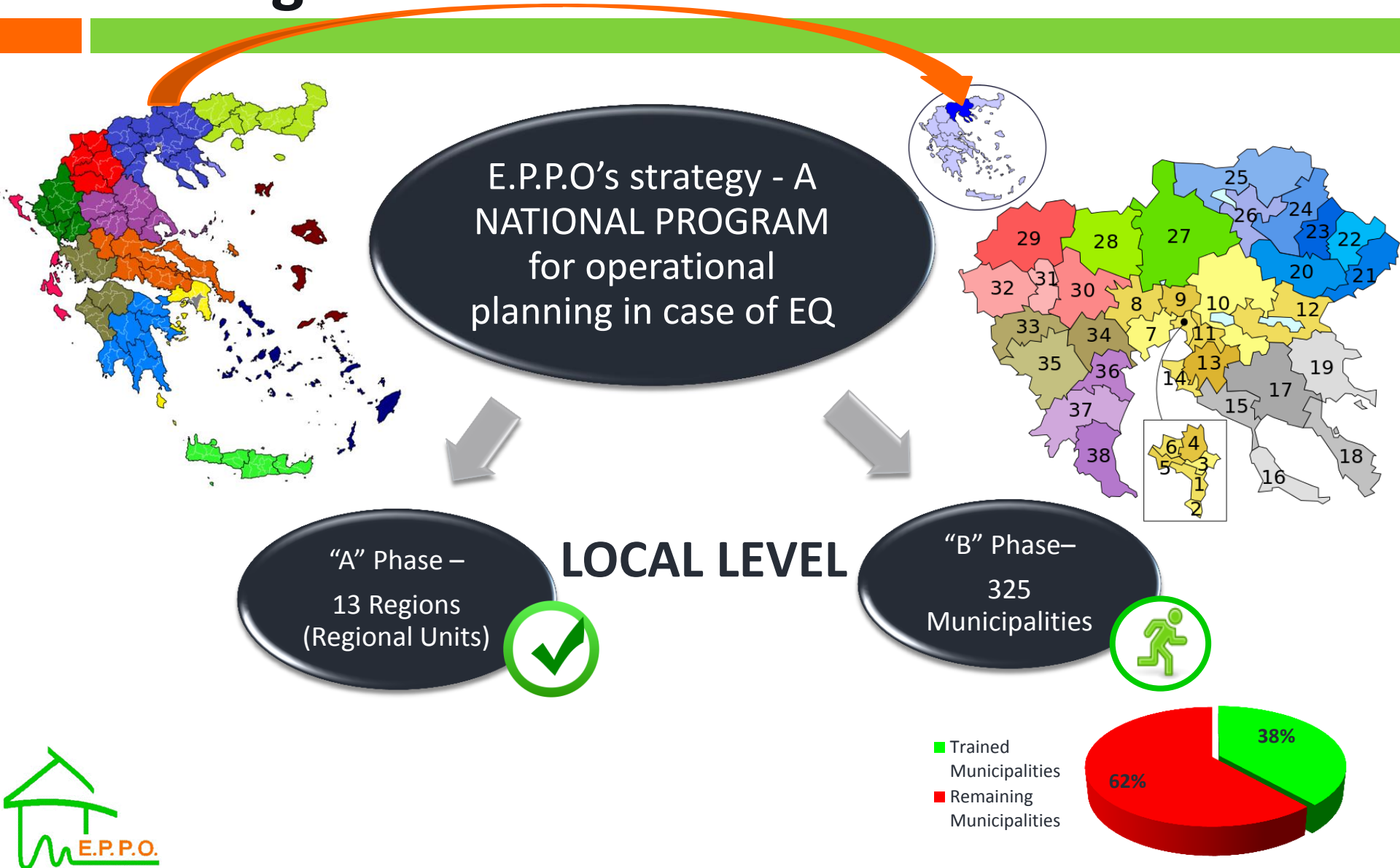


EQ Operational planning - management

- The recent administrative structure in Greece, which applied by the “Kallikratis” Project (2010), has created new standards to earthquake risk management and consequently to the earthquake preparedness policy.
- The country is divided into three major administrative levels:
 - Ministries and Central Authorities (national level)
 - 7 Decentralized Administrations (regional level)
 - 13 Regions and 325 Municipalities (local level)

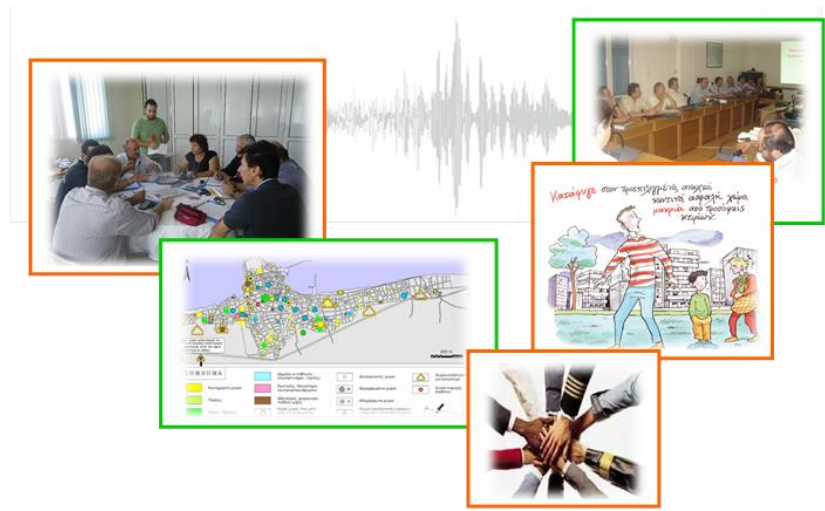


EQ Operational planning – based on risk management



Objectives of the Program

- The improvement of interoperability in disaster management (common language among involved stakeholders, legislation and systems)
- The achievement of a rational management of the consequences for ensuring effectiveness, efficiency and coherent response to the disaster



“A” Phase – 13 REGIONS

- workshops and meetings at **each of the 13 Regions**

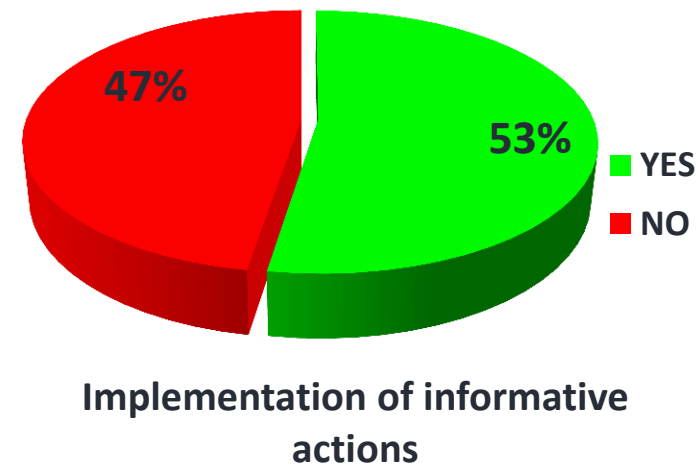
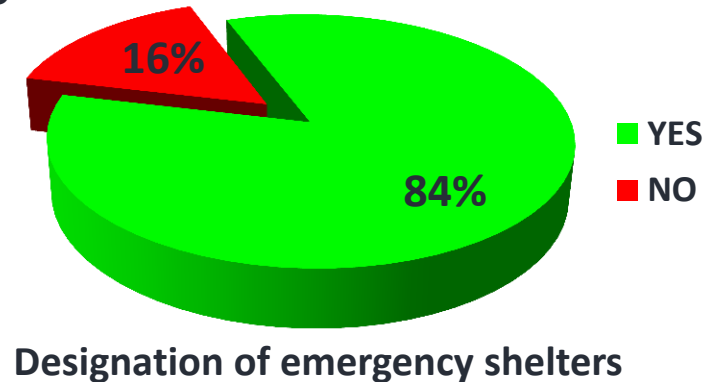
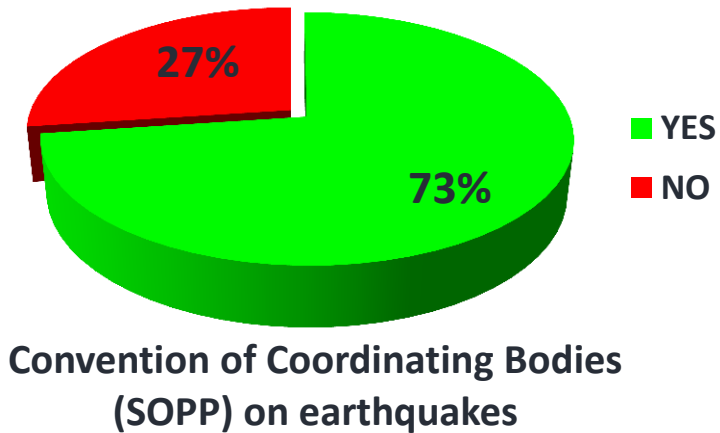
Focused on:

- Convention of Civil Protection Coordination bodies
- Assessment of Seismic risk
- Implementation of “The rapid visual screening”
- Designation of emergency shelters
- Arising of public awareness of seismic risk
- Programming operational EQ exercises



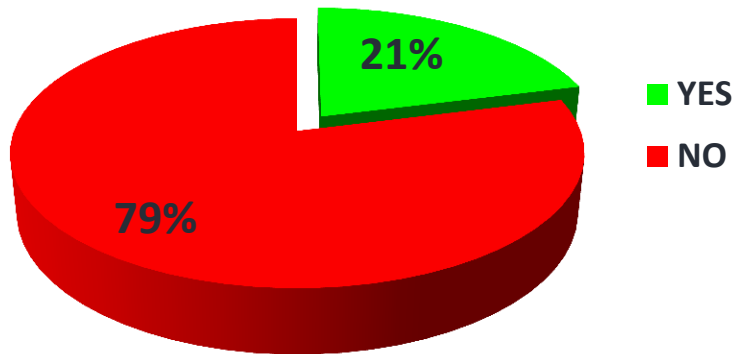
EQ Operational Preparedness policy

Assessment “A” Phase - Debriefing meeting

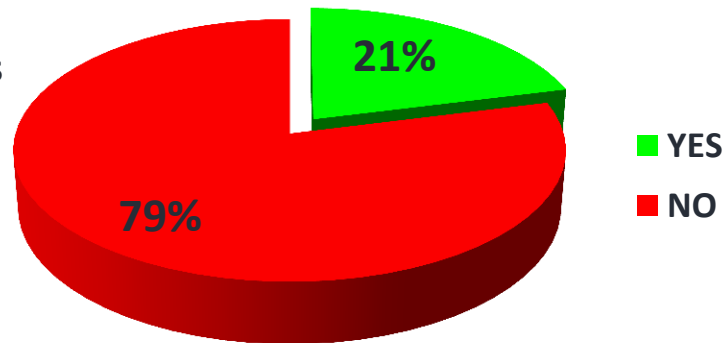


EQ Preparedness policy

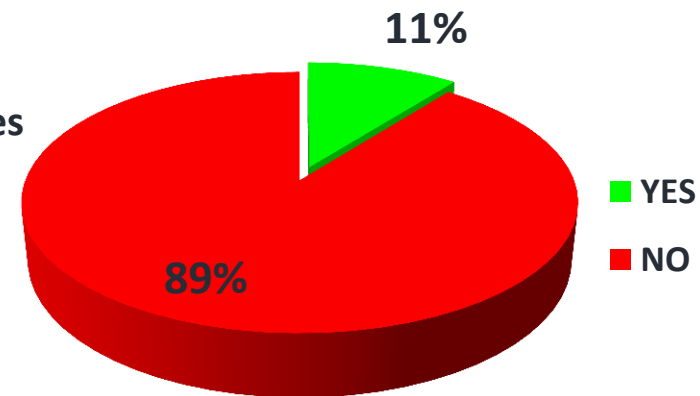
Assessment “A” Phase - Debriefing meeting



Signing of cooperation protocols



Planning of earthquake exercises



Implementation of earthquake exercises



“B” Phase – A bottom-up approach

325 MUNICIPALITIES

Daily-earthquake planning workshops

Target groups:

- civil protection personnel
- mayors
- deputy mayors responsible by the law in civil protection issues
- representatives of all local emergency state authorities (officers of fire brigade, police, coastal guard, etc.) and other involved parties



Phase “B”- Thematic Units:



Seismic risk assessment of the examined area, as the base line of risk management planning



Guidelines and applications for defining the appropriate **emergency shelter in case of an earthquake**

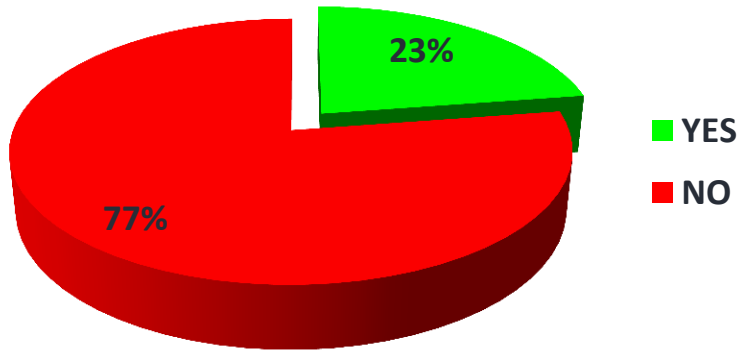


Procedures related to **emergency management issues** (post-seismic inspection of the buildings – public and private, relocation of critical infrastructures, organized evacuation process, external provisions, etc.).

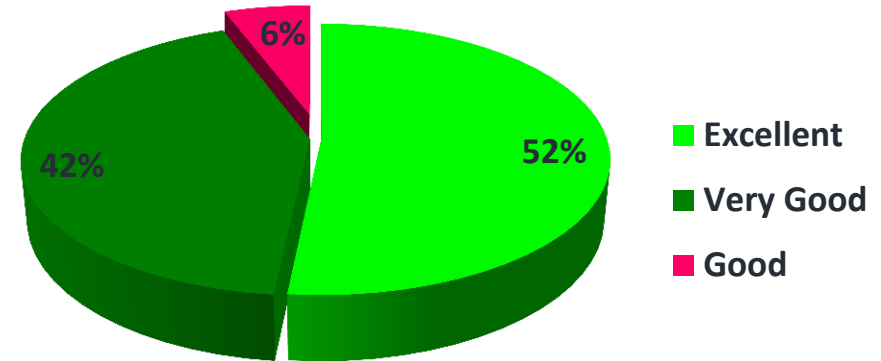


PILOT table-top exercises working in real local maps

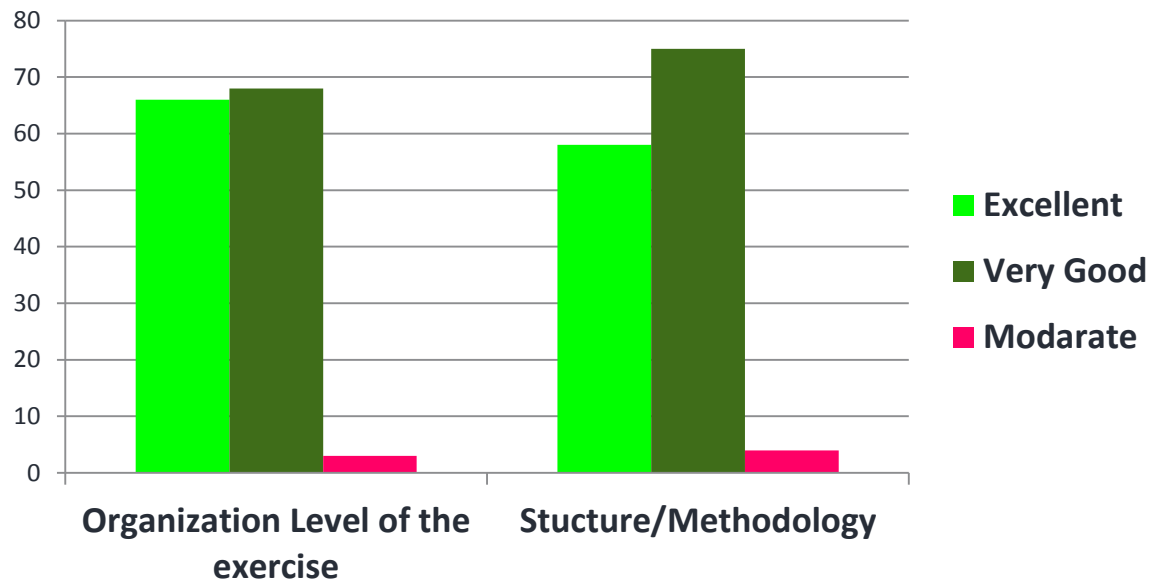
EQ Operational Preparedness policy Assessment “B” Phase



Previous experience in Exercises



Degree of active participation



As Result

- Issues to be solved are related to institutional dysfunctions, such as the non-clear designation of roles and responsibilities to the relevant actors by the “Kallikratis” Law
- increase of the awareness & the preparedness level of the local communities - the actions themselves had a high value added for the local communities - participants were characterized by a previous lack of experience regarding the earthquake preparedness



E.P.P.O's Response Policy – **AT NATIONAL LEVEL**

E.P.P.O. mobilizes to the disaster area the following teams:

- **Immediate Response Teams (IRT) of Experts** -which consists of well educated & experienced E.P.P.O. staff and members of E.P.P.O. Advisory Board
 - Assess the extent of the disaster, provide the proper information to the central authorities and support local authorities to cope with emergencies and manage the consequences of the event
- **Technical Teams of Experts** - which consists of E.P.P.O. staff – scientists and researches
 - Interpret the phenomenon and install more instruments for better monitoring of the seismic sequence (if it's necessary)

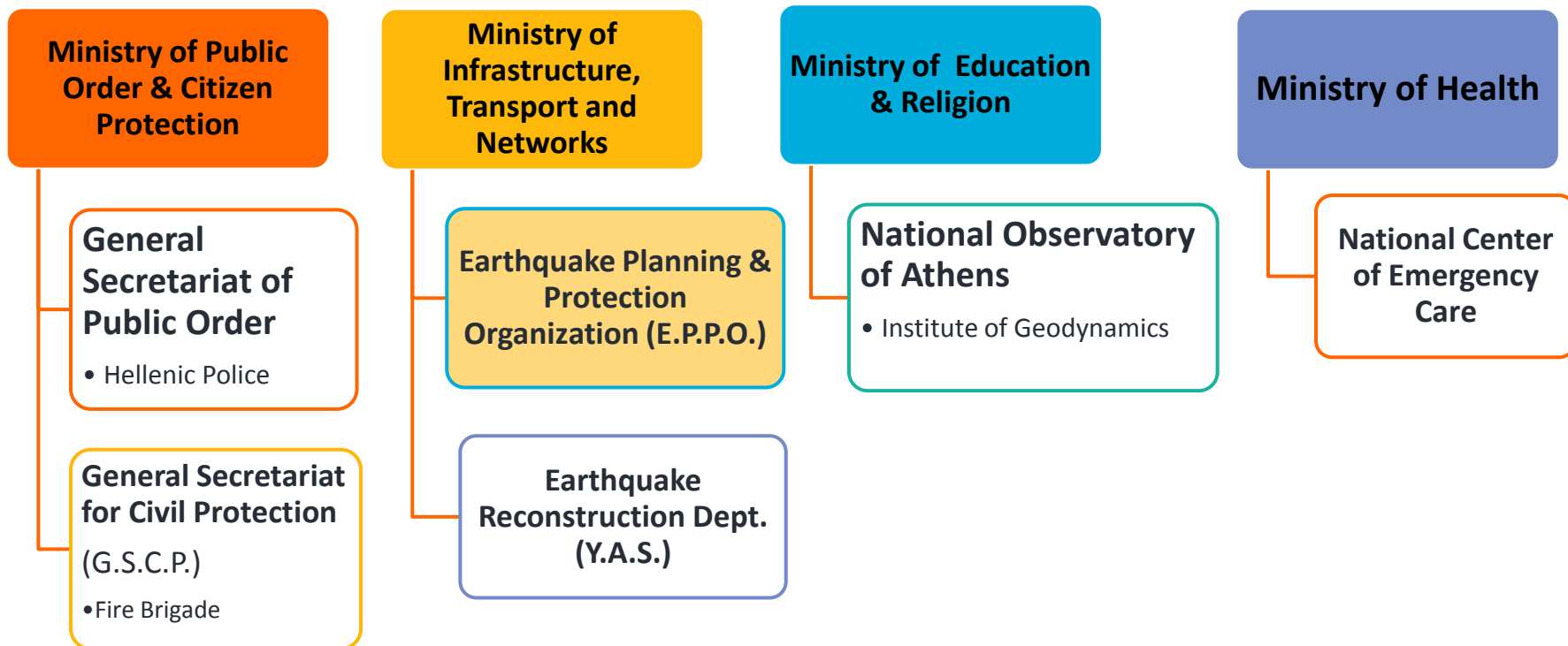


E.P.P.O's Response Policy – **AT INTERNATIONAL LEVEL**

- **10 EU Technical Experts** – specialized in Seismic Risk Management (4 structural engineers, 5 geologists and 1 rural engineer)
- **1 EU Assessment Expert**
- **1 EU Operational Expert**
- **Structural Engineers as Members of the MUSAR-1 & 2 (Medium Urban Search and Rescue Team) –National Modules at EUCP**



Civil Protection System in Greece at National LEVEL - EARTHQUAKE



Thank you very much!



**Earthquake Planning & Protection
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