



MOD



**NEMA - National Emergency
Management Authority**

NEMA

National Emergency Management Authority

Technological Challenges in Emergency Management

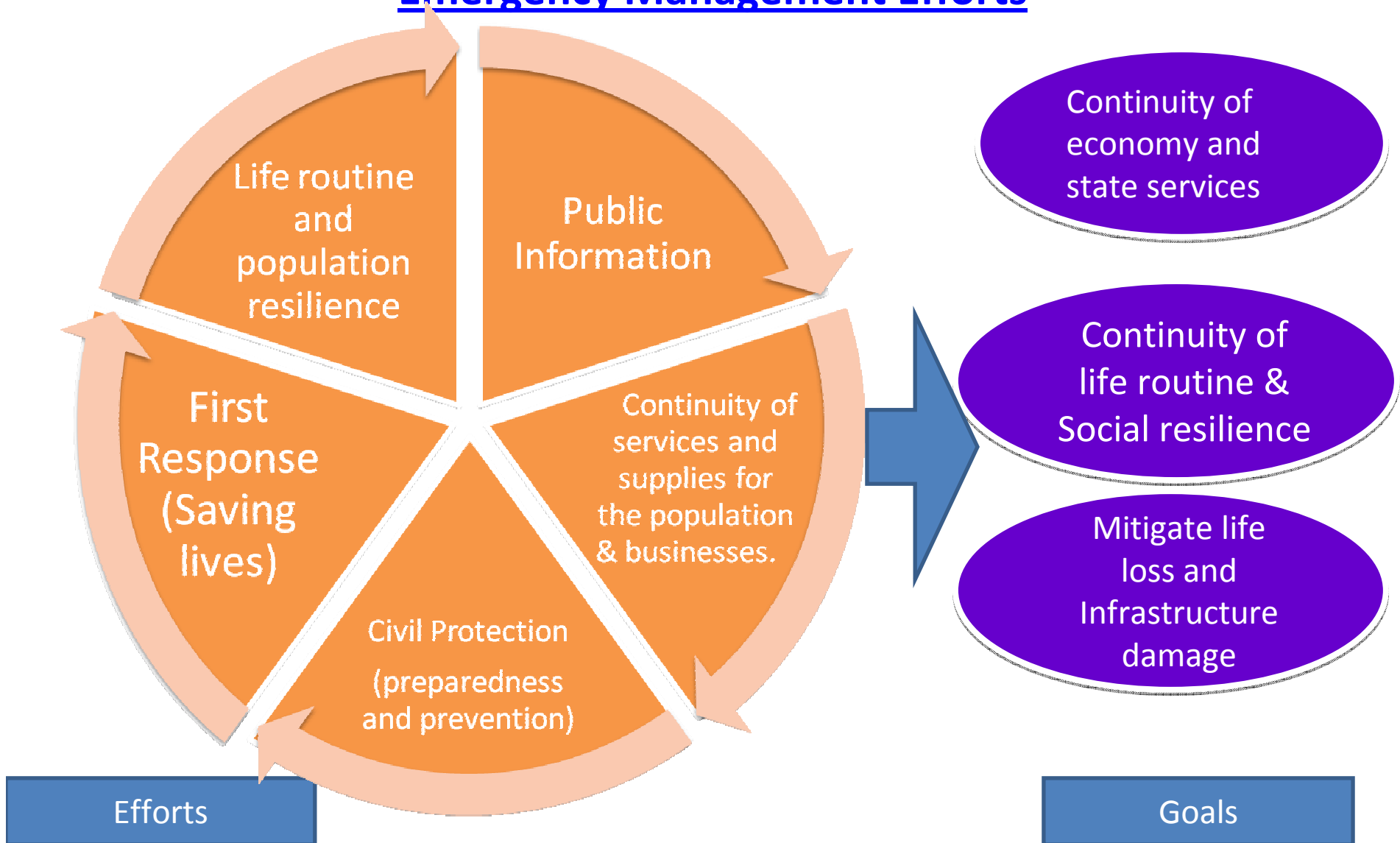


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Emergency Management Efforts



FOUO



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Technological challenges

Information Systems

- Generating real time Integrative national situation report
- Redundant communication systems
- Decision Support systems for national prioritizing during emergencies
 - Quick recognition of the emergency locations and points of interest
 - Diagnose the current situation of given community, from national scale and down to regional segmentation
 - Risk assessment and consequence management tools
 - Diagnose in real time the national inventories Diagnose the significance of striking of vital infrastructure



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Technological challenges – cont.

Mass Notification

- Well segmented mass notification systems, mainly in close range to emergency event.
 - Rapid distribution of messages in defined area
 - Versatile alerts for different emergencies
 - Support several languages and needs of challenged citizens
 - Feedback features
 - Redundancy
- Prediction capability of earthquakes and other natural disasters

Web

- Effective use of social networks as communication system with the public
- Effective use of the internet for international collaboration in times of emergency
- Net games as national simulation platforms