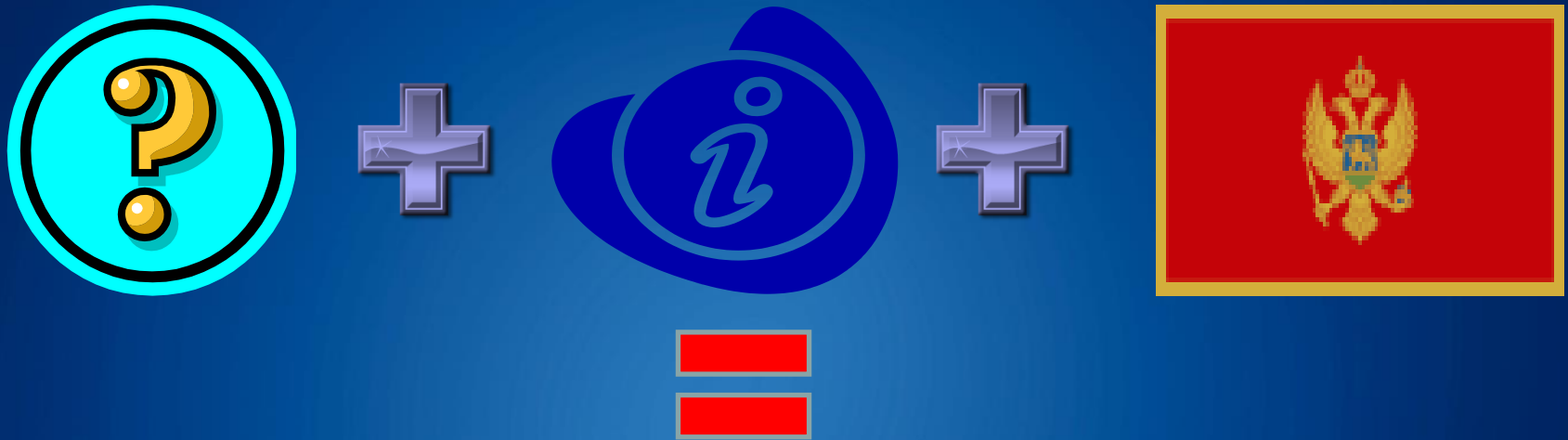


GEPSUS Information Gathering



GEPSUS



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5 types of Potential Affected Elements:

1. Infrastructural & government facilities
2. Potential facilities at risk
3. Hospitals, schools, kinder gardens, diversily able people, rush hour trafic
4. Dynamic/Real-time (sport, cultural and political events, industrial trafic, etc.)
5. Cross-borders (province, county, country) events



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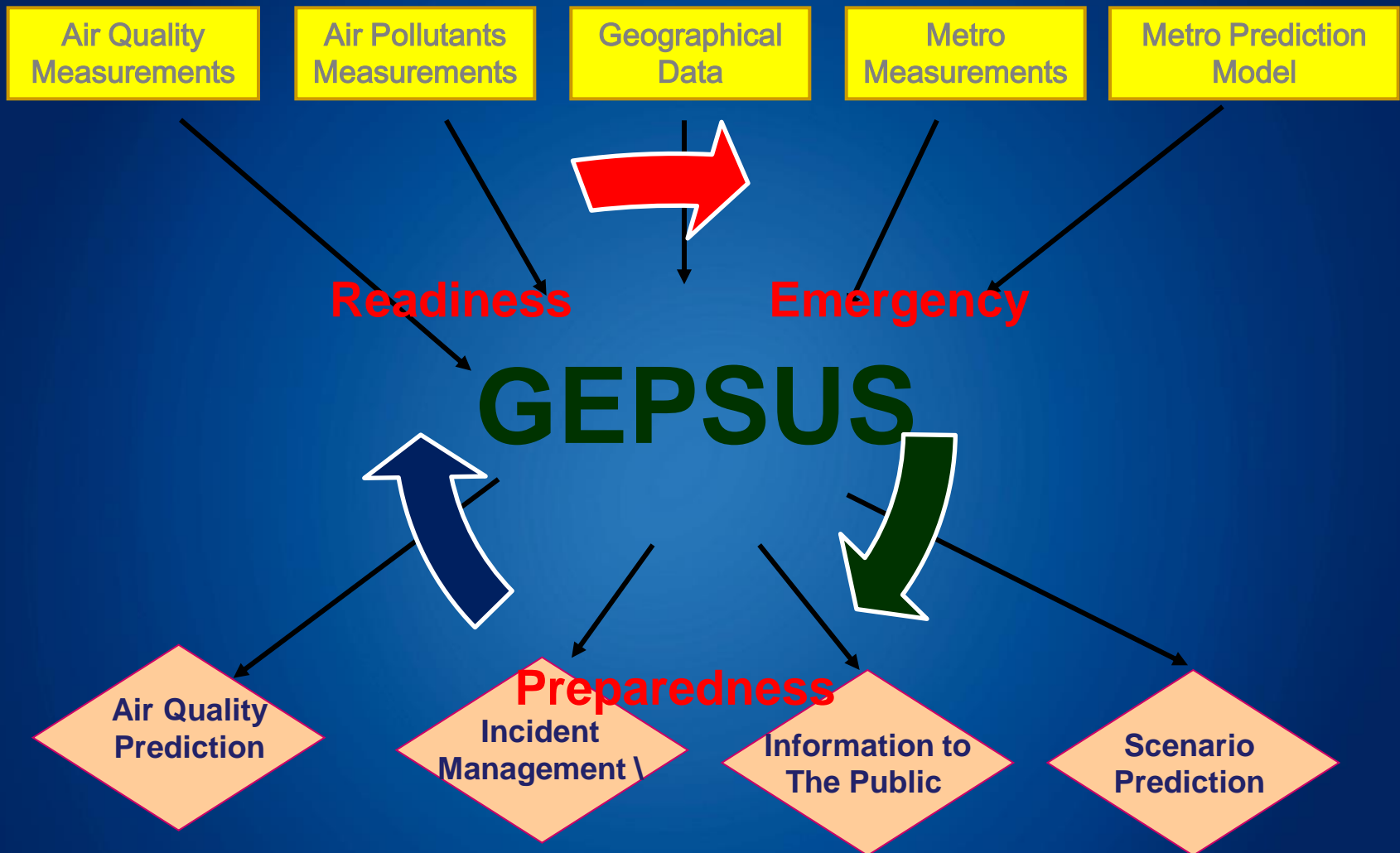
Current Capabilities



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System I/O



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I. Meteorology

- Meteorology:
 1. Number of stations (possibly at the airport, army etc)
 2. Locations
 3. Station class (speed, direction, frequency of updates [once per hour], granularity of updates, etc.)
 4. Owners
 5. Real time access
 6. Satellite images (from Internet or EU/portal)
- Weather forecast (from the airport):
 1. Based on the data
 2. Frequency of updates
 3. Granularity of updates
 4. Synoptic maps



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II. Risks & Mitigation

1. Composition of aluminium pollution
2. Ability to shutdown the factory and to eliminate the source of pollution
3. The interface between authorities and factories regarding safety accidents
4. Responsible authorities
5. Types of precautions regarding forests (i.e.: sensors, monitoring for forest fires)
6. Locations of other threats
7. Hierarchies in risks
8. Fire buffer zones/ Clear zones
9. Fuel maps (whatever can help to spread fire)



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III. MAPPING

1. Mapping of the terrain
2. Digital terrain models (DTM) (low resolution is available free of charge from NASA at 30/60 meter accuracy - SRTM [Shuttle Radar Topography Mission])
3. Digital surface models (DSM)
4. Orthophotos/Satellite images
5. Urban development maps (locations of buildings)
6. Infrastructural & government facilities
7. Potential facilities at risk (fuel stations, etc.)
8. Hospitals, schools, kinder gardens, diversily able people, rush hour trafic
9. Road/Rail networks (available for free from Openstreetmap.org)
10. Airports
11. 3D buildings
12. Web cameras



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IV. Emergency Preparedness & Readiness

1. Definition & description of Podgorica`s emergency forces
2. Contingency plans
3. Real-time position of emergency vehicles
4. Real-time traffic monitoring
5. Equipment & means (fire engines, mobility, water reserves etc)
6. Bodies`role in an emergency system (ministry of environment, metereological surveys, health ministry, etc.)
7. Presence of EOC (Emergency Operating Center) – definition of technology & manning.
8. Real-time systems and sensors inventory



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THANK YOU

HVALA



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