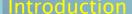




Introduction

- Emergency and Disaster Management is to conduct preparednessi mitigation, response and recovery activities in a cycle on natural and human-made disasters.
- Geographic Information Systems provides a powerful decision support in disaster and emergency management.
- Geographic Information Infrastructure (GII) enables effective collection management of geo-data in disaster and emergency management.

Flif DEMİR



Geo-Data Issues on Disaster Manageme

Effective information management help to control damage, to save lives and resources, and to reduce consequences of a crisis...

Various geo-data sets are needed on emergency response and management...

Existing data were produced by different organizations on heterogeneous environment.

- topographic maps, administrative units, risk objects like gas stations, \dots
- vulnerable objects like schools, government building, hospitals ...
- the location of emergency response teams...

Dynamic data is collected during the disaster from the activities of emergency management.

- incident data includes location, nature, and scale.
- damaged objects, buildings, affected and threatened areas.
- wounded and trapped people.
- meteorological data

Flif DEMİR



Facing the Challenges - Building the Capacity

Sydney, Australia, 11-16 April 2010

Current Situation in Turkey

Until 2009: Disaster Management activities in Turkey are defined by 3 actors

The law N.5902 in 2009; Disaster and Emergency Management Presidency

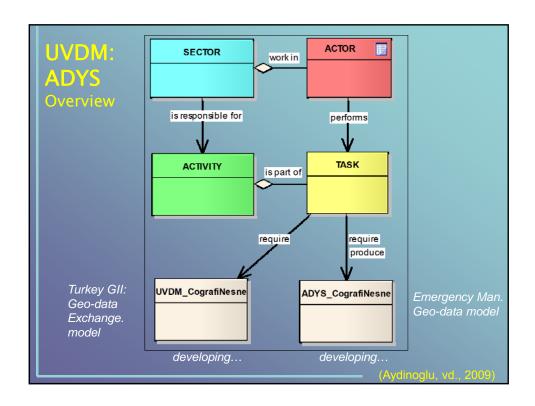
Central Service Groups (Actors)

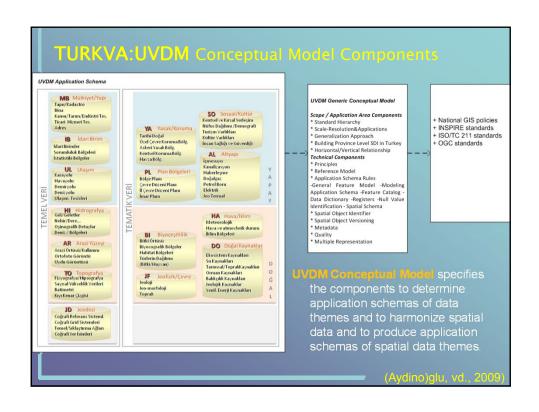
- •Planning and Mitigation Department
- •Response Department
- •Recovery Department
- •Civil Defense Department
- •Earthquake Department
- •Department of Administrative Affairs

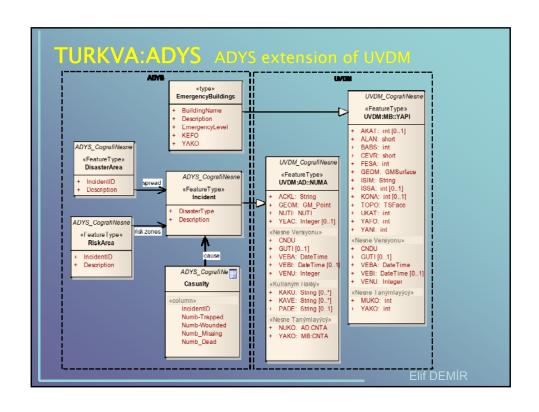
Provincial Directorate for Disaster and Emergency Management should be built in each provience.

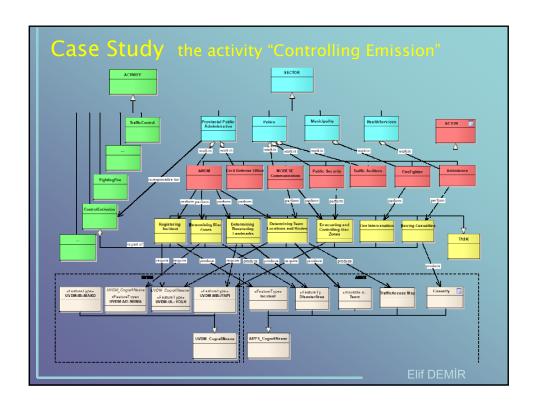
Management Center for Disaster and Emergency is managed by Provincial Directorate for Disaster and Emergency Management.

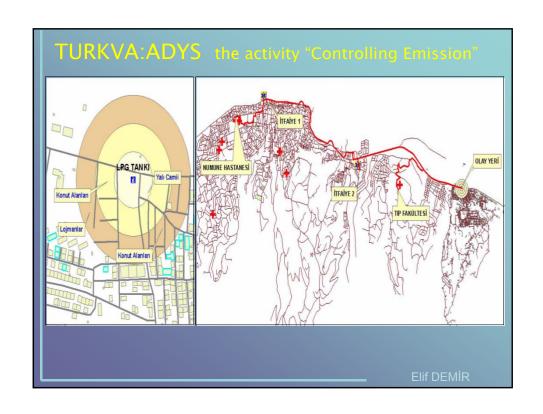
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Conclusion

- Actor-Sector-Activity-Task-Data classes have been designing for emergency management activities
- •ADYS, developed as sector model of UVDM, can solve application-driven geo-data needs of the management center for Eemergency and Disaster built in provinces of Turkey

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