



MisRAR

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**REGION OF EPIRUS
REGIONAL UNIT OF THESPROTIA
PRESENTATION**

**BATZIAS NIKOLAOS
GABROVO JUNE 2011**

Regional Unit of Thesprotia





Spatial Mitigation Instruments in the Region of Epirus



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Floods





Spatial Mitigation Instruments for floods



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-Why are floods a problem for Thesprotia and Epirus?

- i) west of Greece, the climate is not so dry as in the East
- ii) the clouds stop at the mountains of Epirus
- iii) many rivers or water flows
- iv) climate change/extreme storms

-Incidents

- i) Last Winter the river Kalamas was flooded and caused damage to crops and human lives were put at risk.
- ii) Last Winter due to continuous heavy rainfall the area around the city of Ioannina was transformed to a lake! The main road that connects the port of Igoumenitsa with Ioannina couldn't be used for 15 days!





Spatial Mitigation Instruments for floods



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Egnatia/Ioannina

Possible actions: bridge, enable the flow of water



Spatial Mitigation Instruments for floods



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Kalamas



Spatial Mitigation Instruments for floods



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Kalamas river

Possible actions: draining ditches, make the river wider



Spatial Mitigation Instruments for floods



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-Floods cause loss of money and put in danger human lives

-Spatial Mitigation instruments for floods identified in the region of Epirus

- **Creation of draining ditches**
- **Clean torrents (mud, rocks, trunks etc)**
- **Creation of irrigation-draining systems (canals, iron doors, tanks)**
- **Creation of “sarzanet” (little walls)**
- **Creation of dykes**
- **Creation of grid with burnt trunks (burnt mountains)**





Mitigation Instruments Materialized in the area of Ioannina



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-cleaning draining ditch (Anatoli)



-Creation of irrigation/drainage systems (Smirtia)





Mitigation Instruments Materialized in the area of Ioannina



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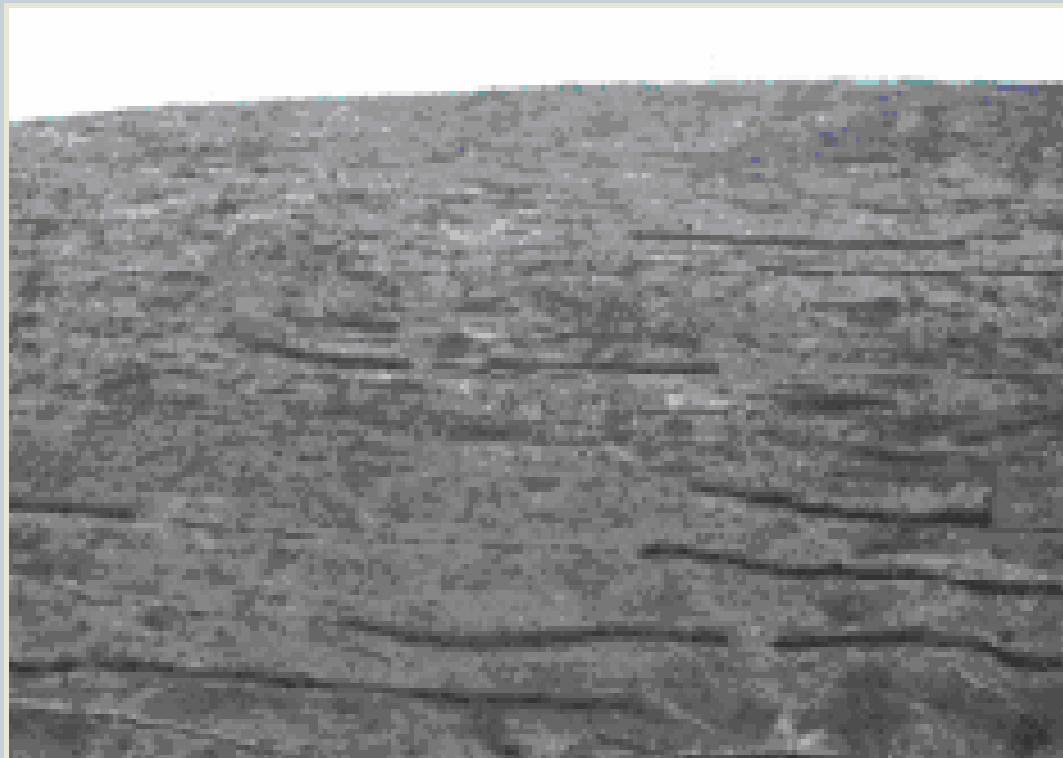
**-Creation of “sarzanet” and improvement of irrigation system
(Aoos river)**



-Creation of dykes (Konitsa)



-Grid of burnt trunks (Not in the Region of Epirus)





Mitigation Instruments for flood



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-Problems still exist

- Limited budget
- Proper analysis of the infrastructure really needed
- Consideration of the impact on the environment

THANK YOU FOR YOUR ATTENTION!

Information

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