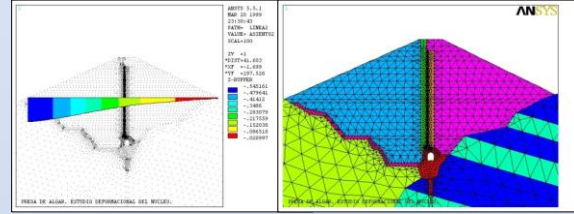


Dam safety / Critical Infrastructures

- ✓ Dam Safety Programs
- ✓ Real time flood warning systems
- ✓ Monitoring of landslides and study of potential effects on reservoirs.

In cooperation with



Monitoring from the space

I - Use of DGPS in displacement control

Arenós reservoir

Monitoring of potential landslides in the reservoir
Castellón (Spain)

La Aceña dam

Displacement control of dam crest
Ávila (Spain)

El Atazar dam

Displacement control of dam crest and abutments
Madrid (Spain)

Riosequillo dam

Displacement control
Madrid (Spain)

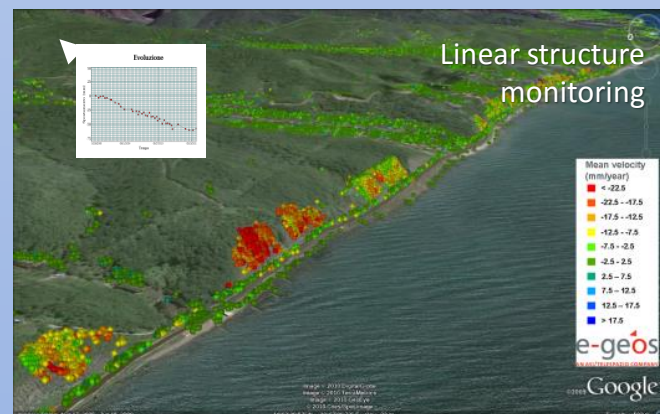
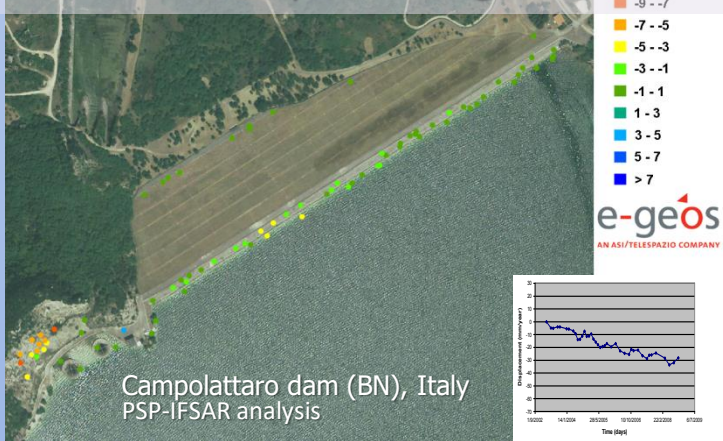
Benagéber dam

Displacement control of dam crest and abutments
InSAR control of hillsides around the lake
Valencia (Spain)

Albarellos dam

Displacement control of dam crest and abutments
Ourense (Spain)

II - InSAR data processing



FOR CRITICAL INFRASTRUCTURE CONTROL

Project DAMMINGS

R&D DAMMINGS project target is to design a three combined methodologies system for infrastructure motion monitoring and surrounding terrain whit potential influences. Detection of unexpected behaviors and early warning of non desirable situations to minimize risks and promote deeper investigation have to led to safer frameworks and facilitate tasks for responsible teams of safety and operation.



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