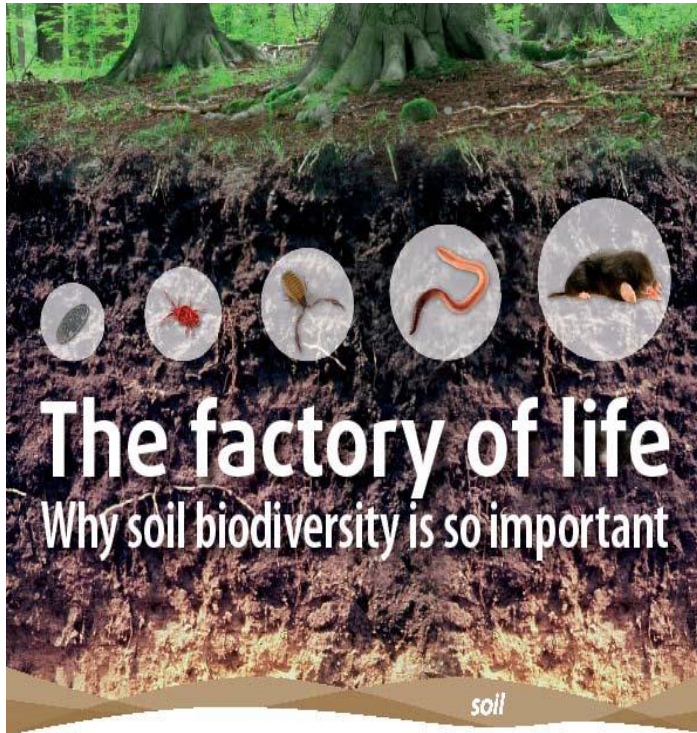


## The “ LIFE ENV/GR/000278 Soil Sustainability (So.S.)” Project

*Socratis Famellos, Chemical Engineer MSc.,  
Local Development Manager, ANATOLIKI S.A.*

## Soil protection in Europe. Why?



- ❖ Soil is practically a **non-renewable** natural resource
- ❖ Soil performs **crucial functions** for human activities and the survival of ecosystems
- ❖ The cost of soil remediation is **very high**
- ❖ European soil is lost and degraded significantly => **EC Legislation doesn't protect it adequately**
- ❖ **Need** for an integrated approach, supported by the 6th European Action Programme for the Environment



## The most important soil risks the Strategy faces



Erosion



Reduction of organic matter



Salinisation



Soil compaction

Soil sealing



Contamination



Landslides





# LIFE07– Soil Sustainability (So.S.)

LIFE07 ENV/GR/000278 – Soil Sustainability (So.S.)

The poster features a baby reaching for a blade of grass in a field. The background is a blue sky with clouds. At the top, it displays the LIFE and So.S. logos. Below the logos, the text reads: "LIFE07 ENV/GR/000278 - Soil Sustainability (So.S.)", "Αειφορική Διαχείριση Εδάφους στην Υδρολογική Λεκάνη του Ανθεμούντα με βάση την Ευρωπαϊκή Θεματική Στρατηγική για το Έδαφος", and the slogan "“κέρδισε το χαμένο έδαφος”". At the bottom, it lists the project partners: ANAOKIH, ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ, ΕΠΙΧΕΙΡΗΣΙΑΚΟ ΠΡΟΓΡΑΜΜΑ ΑΝΑΠΤΥΞΗΣ ΚΑΙ ΑΣΦΑΛΕΙΑΣ ΤΗΣ ΓΥΝΑΙΚΕΙΑΣ ΚΑΙ ΤΗΣ ΟΙΚΟΓΕΝΕΙΑΣ, ΕΠΙΧΕΙΡΗΣΙΑΚΟ ΠΡΟΓΡΑΜΜΑ ΑΝΑΠΤΥΞΗΣ ΚΑΙ ΑΣΦΑΛΕΙΑΣ ΤΗΣ ΓΥΝΑΙΚΕΙΑΣ ΚΑΙ ΤΗΣ ΟΙΚΟΓΕΝΕΙΑΣ, INTERGEO, and ΝΕΑΤΕΤ ΕΠΙΧΕΙΡΗΣΙΑΚΟ ΠΡΟΓΡΑΜΜΑ ΤΕΧΝΟΛΟΓΙΑΣ ΚΑΙ ΚΑΙΝΟΤΟΜΙΑΣ. It also includes contact information for ANAOKIH and a note about the project's contribution to the EU thematic strategy.

## The LIFE So.S. project

*“Sustainable Soil Management in the Anthemountas river basin under the EU Soil Thematic Strategy”*

# Project Partners

Coordinator: ANATOLIKI S.A.

Partners:

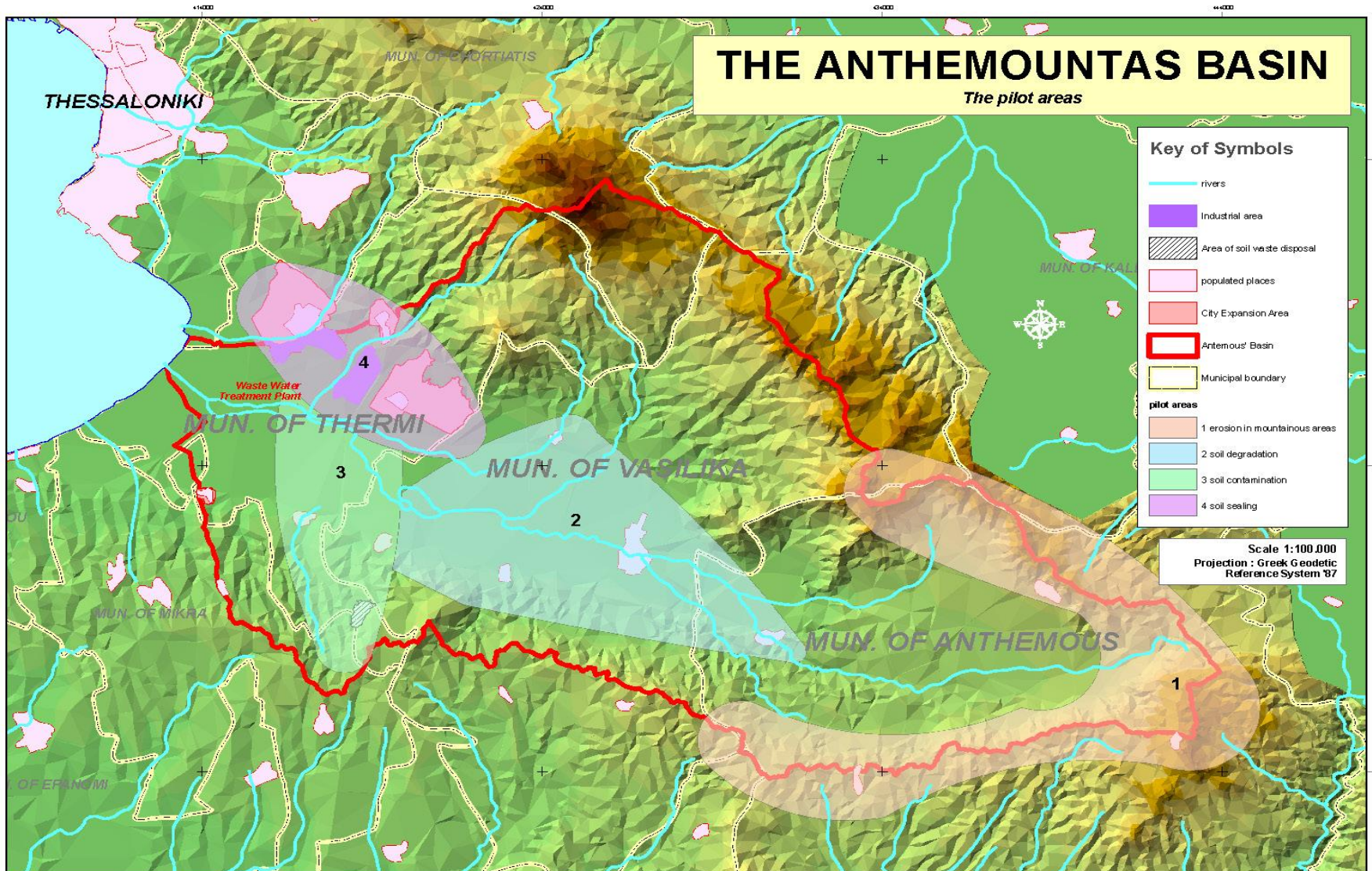
- ✓ LRI-NAGREF – Land Reclamation Institute
- ✓ INTERGEO Ltd
- ✓ LLP- YETOS (HYETOS)
- ✓ Decentralised Administration of Macedonia and Thrace/ Direction of water
- ✓ Greece Regional Development Fund-Region of Central Macedonia

Co-financiers: The Municipality of Thermi, The Municipality of Poligiros

Total Budget: 1.572.745 €

Duration: 01/01/2009 – 30/06/2012

# Implementation area



### Soil erosion in sub-mountainous areas (*Anthemountas*)

- Risk assessment of soil erosion in sub-mountainous areas.
- Development of a decision support tool to determine priority action areas and the selection of measures against erosion.
- Development of proposed measures in a high priority pilot area.



### Soil Degradation in rural areas (*Vasilika & Anthemountas*)

- Soil and Thematic maps.
- Estimation of soil degradation from erosion.
- Estimation of soil content in organic matter.
- Risk assessment of soil salinisation – Quality assessment of irrigation water.



- 5860 acres detailed soil map
- Web available
- Guide for farmers



## Soil contamination from human activities (Thermi)

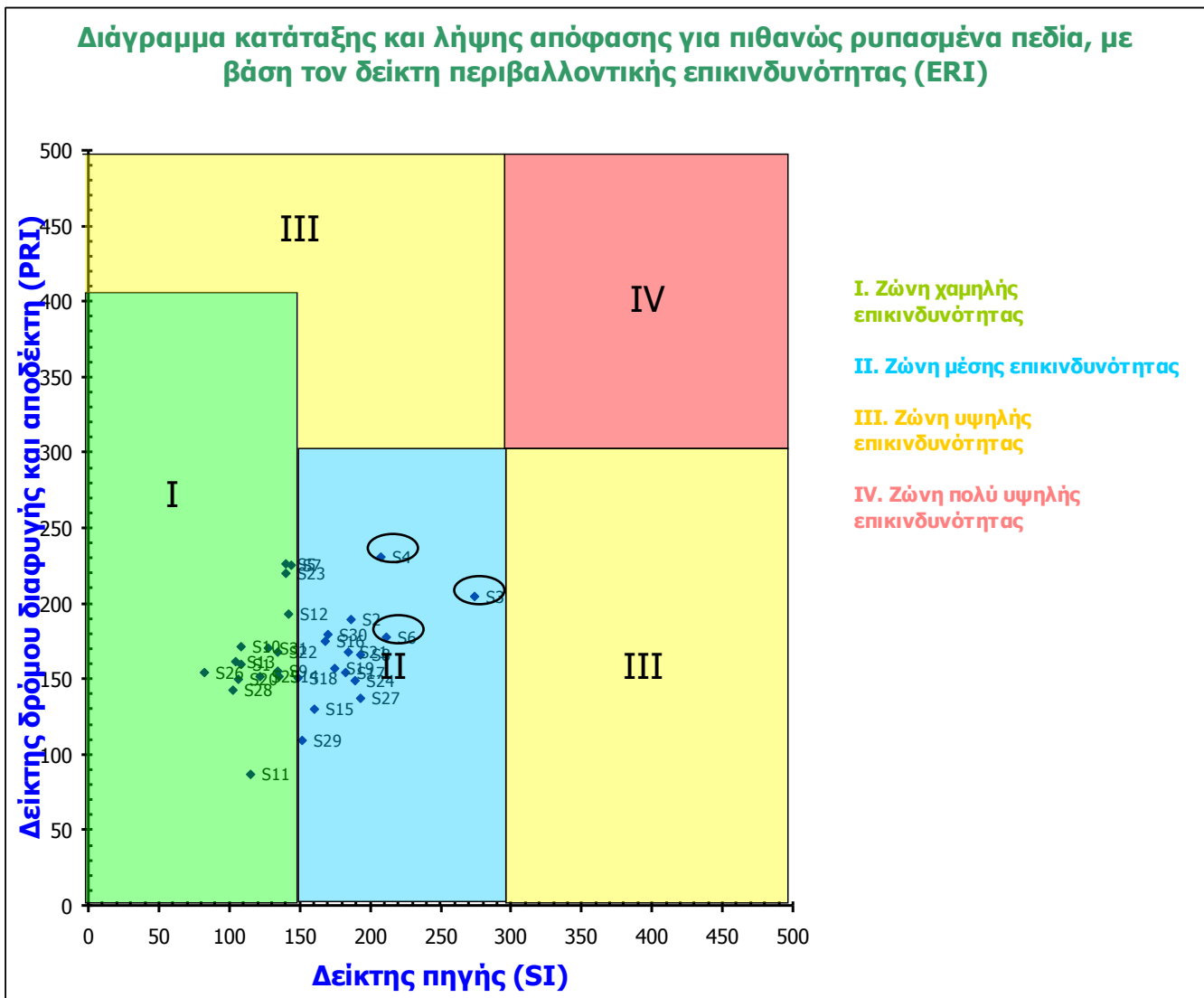
- Development of a Management Tool of Contaminated Soils (MTCS).
- Implementation of the MTCS in a specific pilot area (Thermi).
- Optimization and final customization of MTCS.



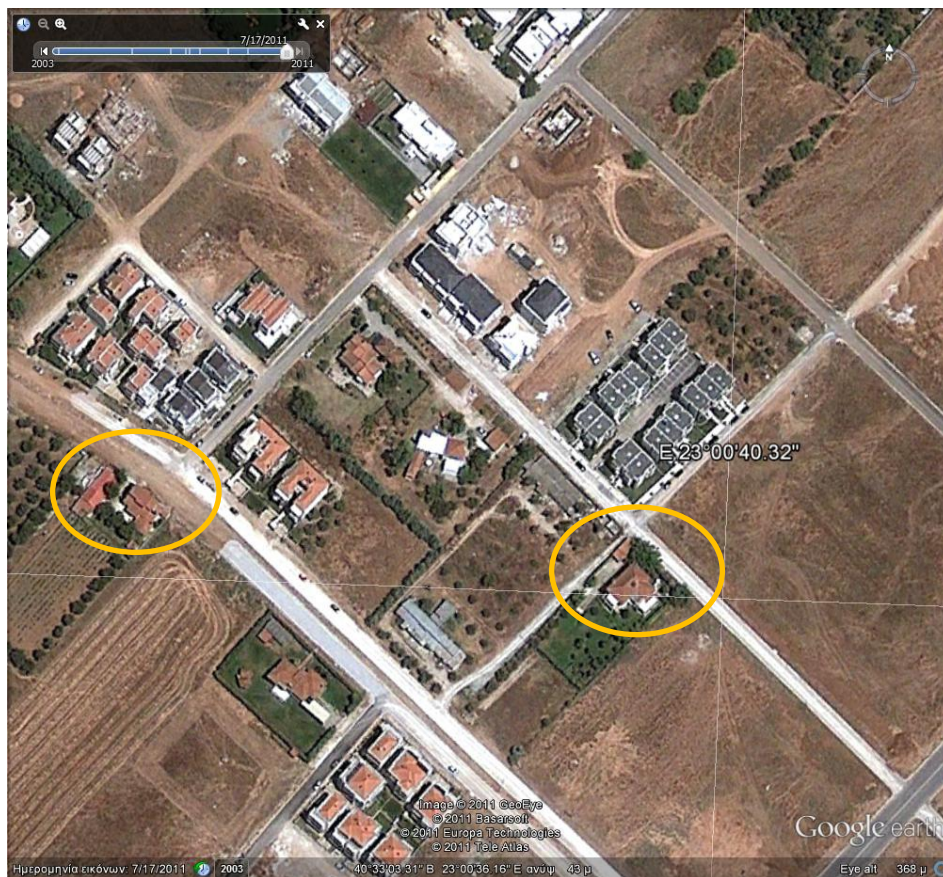


# LIFE07– Soil Sustainability (So.S.)

LIFE07 ENV/GR/000278 – Soil Sustainability (So.S.)



## Soil sealing in areas under urbanization (Thermi)





## LIFE07– Soil Sustainability (So.S.)



- Monitoring and risk assessment of soil sealing.
- Development and evaluation of best practices to protect the soil from sealing.
- Designing of innovative solutions for seal testing in a pilot area under urbanization.

# Results

- Identification of soil threats.
- Improving soil management, citizen and construction safety, human health and local income.
- Contribution to the adoption of the common European Soil Strategy.
- Supporting development, the local economy and the protection of the environment.
- Provision of decision-making tools for soil management to decision makers.
- Improving the skills of soil users and scientists.
- Mobilization of social partners on soil protection.



### Action Plan for soil management in the Anthemountas river basin

- Action Plan for soil based on project results.
- Informing and mobilizing social stakeholders.
- Organizing meetings with social stakeholders.
- Development and adoption of the Final Action Plan.

## Action Plan for soil protection in Anthemountas river basin



Project Website [www.lifesos.eu](http://www.lifesos.eu)

**Thank you for your attention!**

With the contribution of the LIFE + financial instrument of the European Union