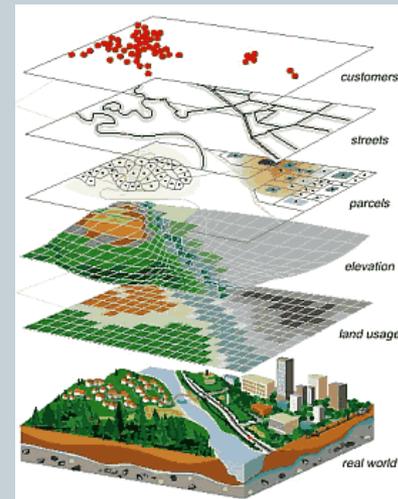
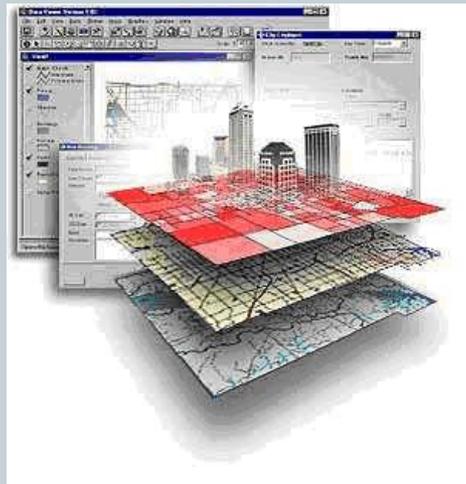


# *DRAXIS Environmental Technology*

## *Ideas, Solutions, Projects*



### DRAXIS ENVIRONMENTAL TECHNOLOGIES SA



# Company ID



- Legal Form: S.A.
- Year of Establishment: 2000 (Trademark from 1998)
- Location: Thessaloniki
- No of Employees: 12
- Annual Turnover: ~1M €
- Exports: ~30% of Annual Turnover
- Spin out Company: Dotsoft SA
- International Partnerships:



# Activities



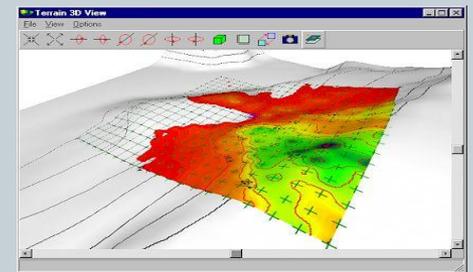
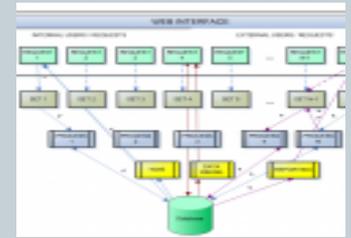
- **Environmental Software and Databases**
  - Problem identification
  - Solution Development
  - Product Integration
- **Environmental Impact Assessment and Consulting.**
  - Government,
  - Industries, Individuals,
- **Geographic Information Systems (GIS)**
  - Decision Support Systems
  - Full map integration

# Environmental Software



Draxis provides development and integration services in:

- Environmental Decision Support Systems
- Environmental Databases
- Environmental Simulation models
- Web and mobile applications for environmental measurements monitoring
- provision of multi channel digital services such as:  
information diffusion and alert
- Digital sensor development (Arduino)
- Work flow systems for licensing.



# Geographic Information Systems - GIS



- Design and Development of geodatabases
- Development of web GIS applications
- Development, Customization
- Integration of GIS applications in various fields (i.e. environment, transport, urban planning, culture etc)
- Development of spatial models for risk assessment
- Design and development of decision support applications for water management authorities.
- Remote sensing applications
- Development / Process of digital maps



# European Funding and Project Management

European Union programmes



Funding



INDUSTRY



PUBLIC ORGANISATIONS

## Research projects



UNIVERSITIES  
& RESEARCH  
INSTITUTES



SMALL &  
MEDIUM  
ENTERPRISES



NON  
GOVERNMENTAL  
ORGANISATIONS

National programmes



Funding

Search for opportunities

Build partnerships

Write proposal

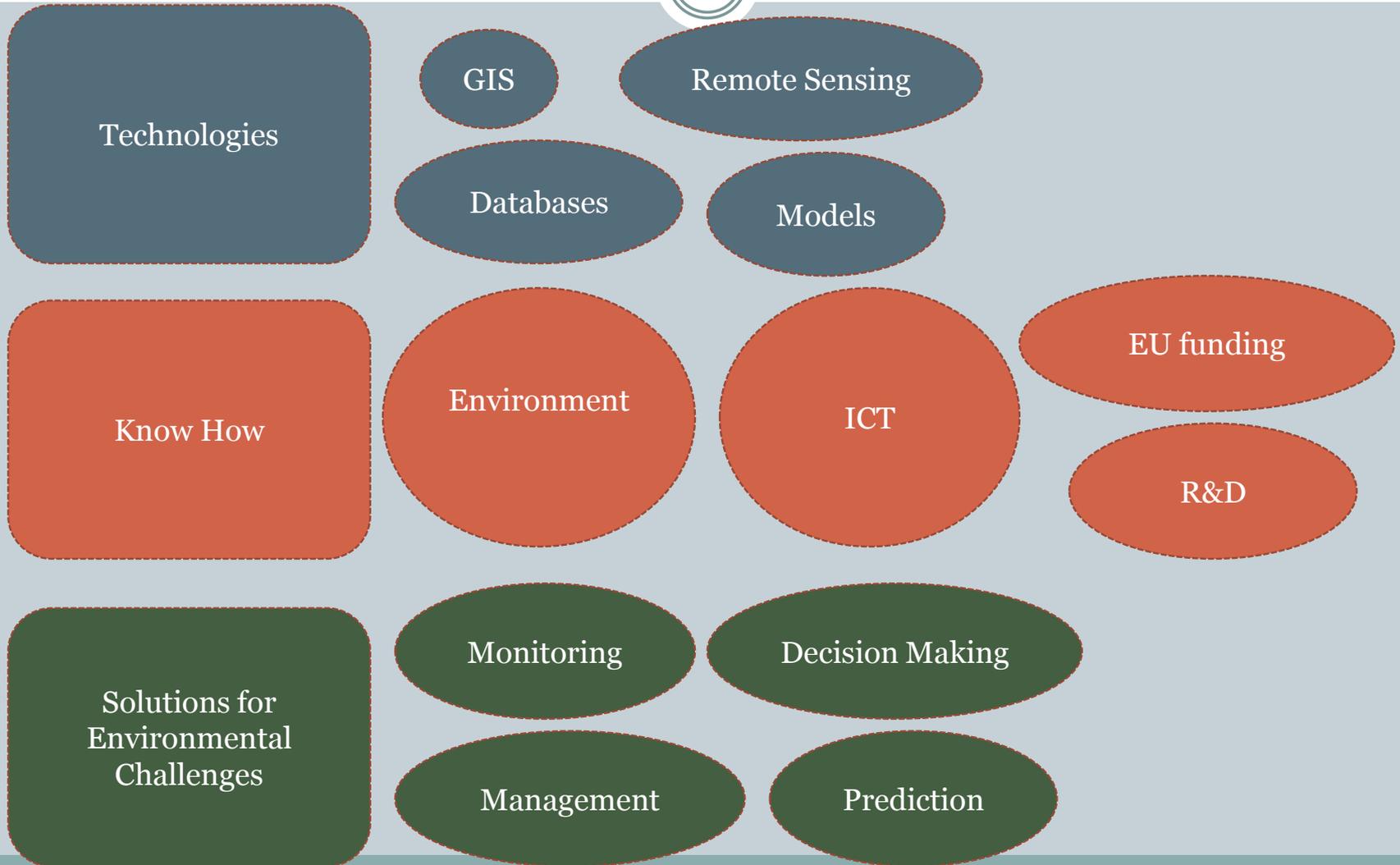
Manage projects

Develop Solutions

Research branding

Exploitation of Products

# Positioning – Value Proposition



# Flagship Projects -1



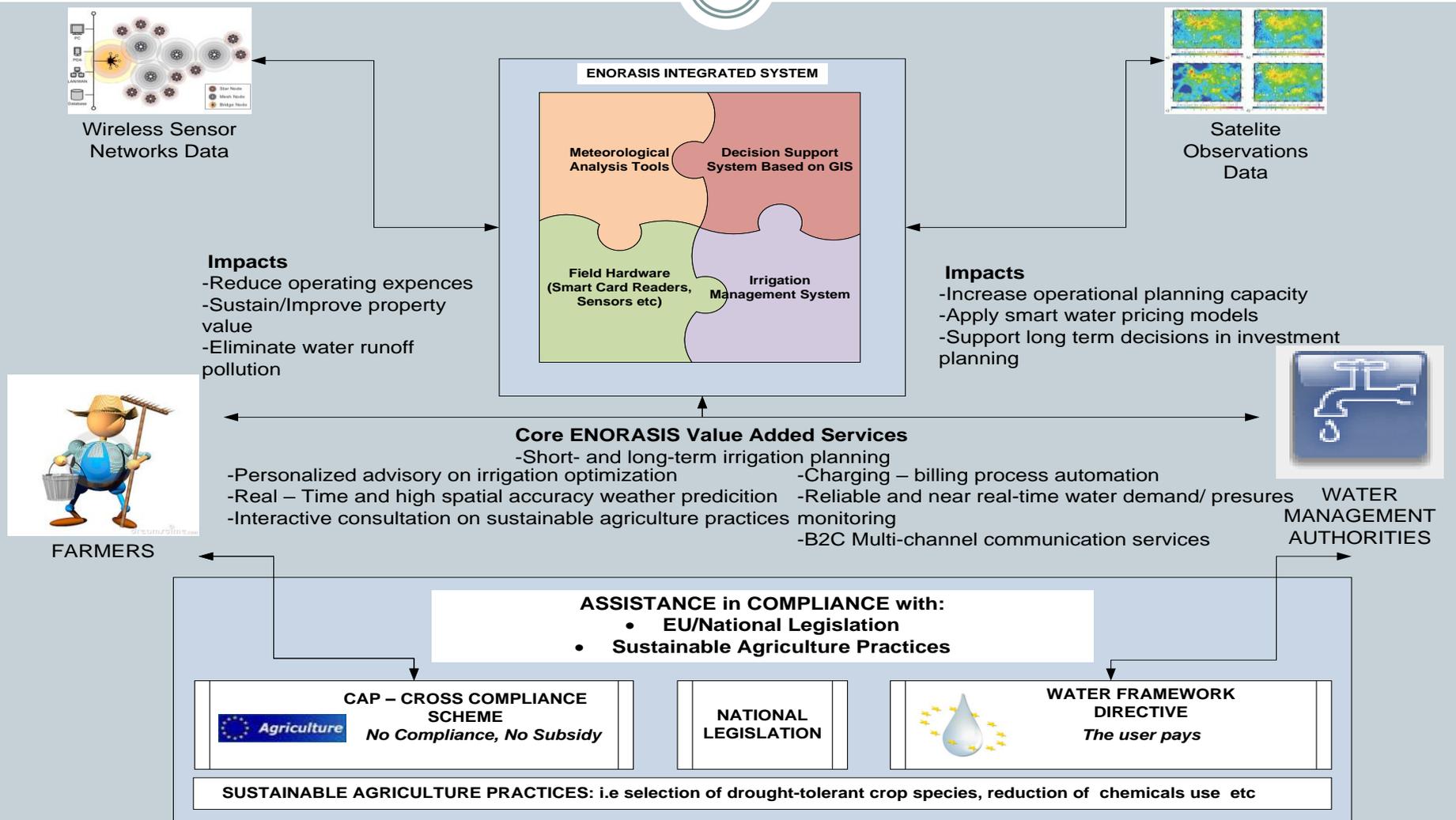
***ENORASIS “Environmental Optimization of IRrigAtion Management with the Combined uSe and Integration of High PrecisiOn Satellite Data, Advanced Modeling, Process Control and Business Innovation”/ FP7/ ENV  
Coordinator***



Ongoing

# Enorasis Overview

(more on [www.enorasis.eu](http://www.enorasis.eu))



# Enorasis web Application for irrigation



Map Options Navigation Layers Reports Search Tools Help Language selection: English Logout

Sensors Valves DSS Alerts Water Advanced

Advanced Search

Fields

Plots

Sensors

Name: FTS\_1\_SM1  
Type: Soil moisture sensor [%]  
Date: 11/18/2013 9:17:27 AM  
Data: 22.66

Name: FTS\_1\_AT1  
Type: Temperature sensor [C]  
Date: 11/18/2013 9:16:20 AM  
Data: 6.67

Name: FTS\_1\_AH1  
Type: Relative Humidity Sensor [%]  
Date: 11/18/2013 9:16:20 AM  
Data: 91

Name: FTS\_1\_PP1  
Type: Rain Sensor with self emptying t  
Date: 11/18/2013 9:16:20 AM  
Data: 0

Name: FTS\_1\_WS1  
Type: Wind speed sensor [m/s]  
Date: 11/18/2013 9:16:20 AM  
Data: 0.25

Name: FTS\_1\_SM2  
Type: Soil moisture sensor [%]

Plots

Title: AG1  
Crop Type: Apples (Serbia)  
Size(sq): 100

Advanced

Sensor: FTS\_1\_SM2 From date: 11/14/2013 To date: 11/17/2013 Update

FTS\_1\_SM2 - Soil moisture sensor [%]

Zoom to selected

TITLE	CROPTYPE	SOILTYPE	SIZE	SLOPE	SOWDATE	HARVESTDAY	WATERPRICE	CROPYIELDPRICE	YIELDWOSTRESS	COSTOFWORK	OTHERCOSTS	MINPROFITABLEIRRIGATION	CHANNELTYPE	CHANNELLEIGHT	IRRIGATIONMETHOD	11	SM
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bing™

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# Flagship Projects -2



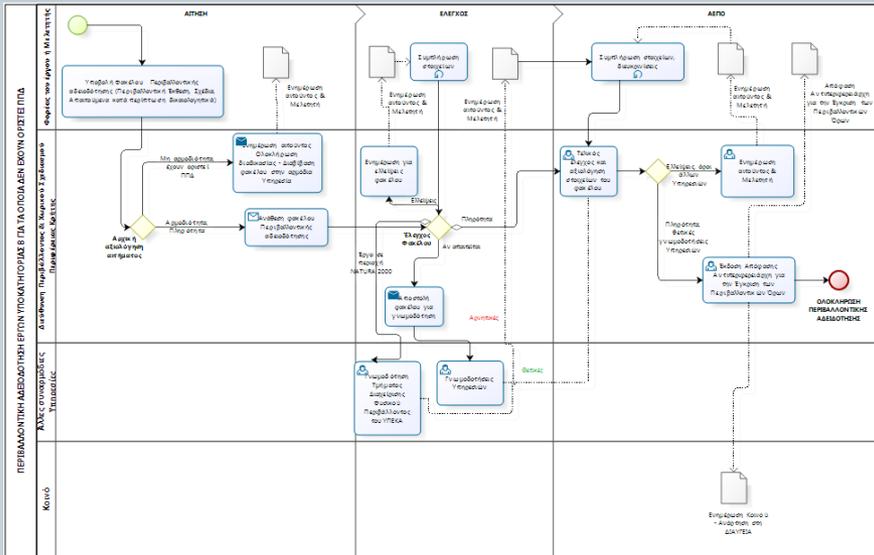
***eEnviPer “A single multi-purpose SOA platform that delivers environmental permissions services through the cloud of e-Government services and applications”***

**Coordinator**

The screenshot shows the eEnviPer website interface. At the top left is the eEnviPer logo with the tagline "Environmental Permits for the 21st Century". To its right is the Crete Region logo. In the top right corner, there are language selection options for "English" and "Ελληνικά", and navigation buttons for "Home" and "Login". The main content area is titled "Welcome to eEnviper" and includes a paragraph about the project's goals and a list of services: "Search Environmental Permits", "Knowledge Base", "Documents", "Projects / Activities", and "Inspections". Below this is a "Latest News" section with two entries: "22/06/2012 Upcoming meeting in Thessaloniki" and "29/04/2012 Introducing eEnviPer - Environmental Permits for the 21st Century". A "Read more news" link is at the bottom right of the news section. On the right side of the page, there is a "Submission Forms" section with links for "Issue an environmental approval", "Amendment of a valid environmental approval", "Renewal of an environmental approval", and "Submit a complaint".

Ongoing

# eEnviper Overview (more on [www.eenviper.eu](http://www.eenviper.eu))



**Project / Activity**

Project / Activity information

Application Reference Number	4
Project Title	Εγκατάσταση Μικρού Υδροηλεκτρικού Σταθμού (ΜΥΗΣ) της εταιρείας DRAXIS A.E., ισχύος 0,99 MW και μήκους στήλης 2000 m, στην θέση ..... του Δ. .... στην Περιφερειακή Ενότητα .....
Submission date	31/01/2013
Request Type	Submission
Category	B without Standard Environmental Conditions
Project / Activity Type	Group 2
Projects / Activities in "Project type" group	Project 3
Owner	Evangelos Kosmidis
Status	Assigned to office

Position on the map

Project / Activity files (click filename to download)

Environmental Impact Assessment	Pilot test 1
Designs	Pilot test 2
Photos	Pilot test 3
Documents, approvals, licences etc.	Pilot test 4
Location (GIS files)	Pilot test 5

Public consultation  
The project/activity is open for consultation until 20/02/2013.

[View the project/activity consultation](#)

[Evaluate EIA Declaration](#)



**Γεωγραφικό Σύστημα Πληροφοριών**

**Σύστημα Διαχείρισης Γνώσης**

**Σύστημα Διαχείρισης Ροής Εργασιών**

**Σύστημα συμμετοχής**

# eEnviper web-Gis application for investors



Επιλογές χάρτη Πλοήγηση Θεματικά επίπεδα Αναζήτηση Εργαλεία Βοήθεια Επιλογή γλώσσας: Ελληνικά Έξοδος

Μήκος:  Εμβυδό:

Χρώμα γραμμής:  Πάχος γραμμής:  Χρώμα επιφάνειας:

Δημιουργία buffer από τα επιλεγμένα στοιχεία του: **Δεδομένα - Seveso** Πλάτος buffer:  km

Για την επιλογή στοιχείων από:

Σύνθετη Αναζήτηση

NATURA 2000

- NATURA 2000
- SCI
- SPA
- SPASCI

Seveso

- Δεδομένα - Seveso
- Άνω ορί
- Κάτω ορί

Εστίαση στο επιλεγμένο

OBJECTID_1	OBJECTID	SITECODE	GISADMIN.NATURA.AREA	PERIMETER	HECTARES	SITETYPE	SHAPE LENG	ONOMASIA_1	ΟΝΟΜΑΣ
340	340	GR4330002		34512.586	4700.272	SCI	34512.5857314	OROS KEDROS	ΟΡΟΣ ΚΕ
342	342	GR4330004		95563.123	13121.418	SCI	95563.123206	PRASSANO FARANGI - PATSOS - SFAKORYAKO REMA - PARALIA RETHYMNOU KAI EKVOLI GEROPOTAMOU, AKR. LIANOS KAVOS - PERIVOLIA	ΠΡΑΣΙΑΝ

POWERED BY

# Flagship Projects -3

**CASSANDRA** “A multivariate platform for assessing the impact of strategic decisions in electrical power systems”/ FP7 - ICT

**Cassandra**

SEVENTH FRAMEWORK PROGRAMME

Search...

**Energy Service Company**  
Are you an Energy Service Company and want to maximize the benefits in the Electrical Energy Markets?  
[read more >](#)

[Home](#) [About the project](#) [Partners](#) [Deliverables](#) [Collaboration Space](#) [News](#) [Contact](#)

Find your organization type and see how you can benefit from CASSANDRA

- Energy traders/suppliers (ESCOs)
- Regulators/Policy Makers
- University/ research center
- Distribution Network Operators (DNO)
- Energy and environmental consultants
- Energy Efficiency software and hardware (device) providers
- Transmission System Operator (TSO)
- Large Scale Consumers
- Small Scale Consumer

**CASSANDRA Software platform**  
A simulation-based, decision-support tool for energy market stakeholders, for assessing strategic decisions in electrical power systems by modelling several aspects of the demand side.  
[read more >](#)

**Network of Interest**  
A dynamic network of potential CASSANDRA stakeholders, including companies and organizations from diverse industries with mutual interest in the European energy market, that help us shape and assess our project outcomes.  
[read more >](#)

**Pilot Cases running**  
Addressing energy efficiency and CO2 emissions reduction in three real life environments in UK, Italy and Sweden.  
[read more >](#)

**Overall outcomes**  
Core research of this project has revealed a number of high value results, characterised by a remarkable number of innovative elements, that can either combined or independent provide the envisaged impact of the project to the society and economy.  
[read more >](#)

CASSANDRA active Network of Interest

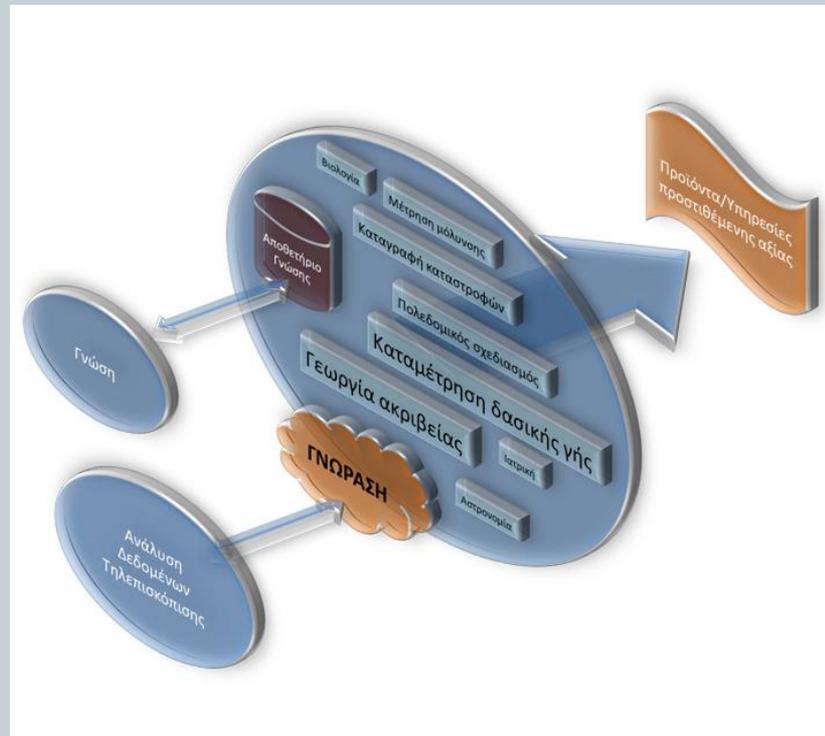
Conecta energia Junifer systems ONZO gasNatural jenosa

Ongoing

# National Projects -1



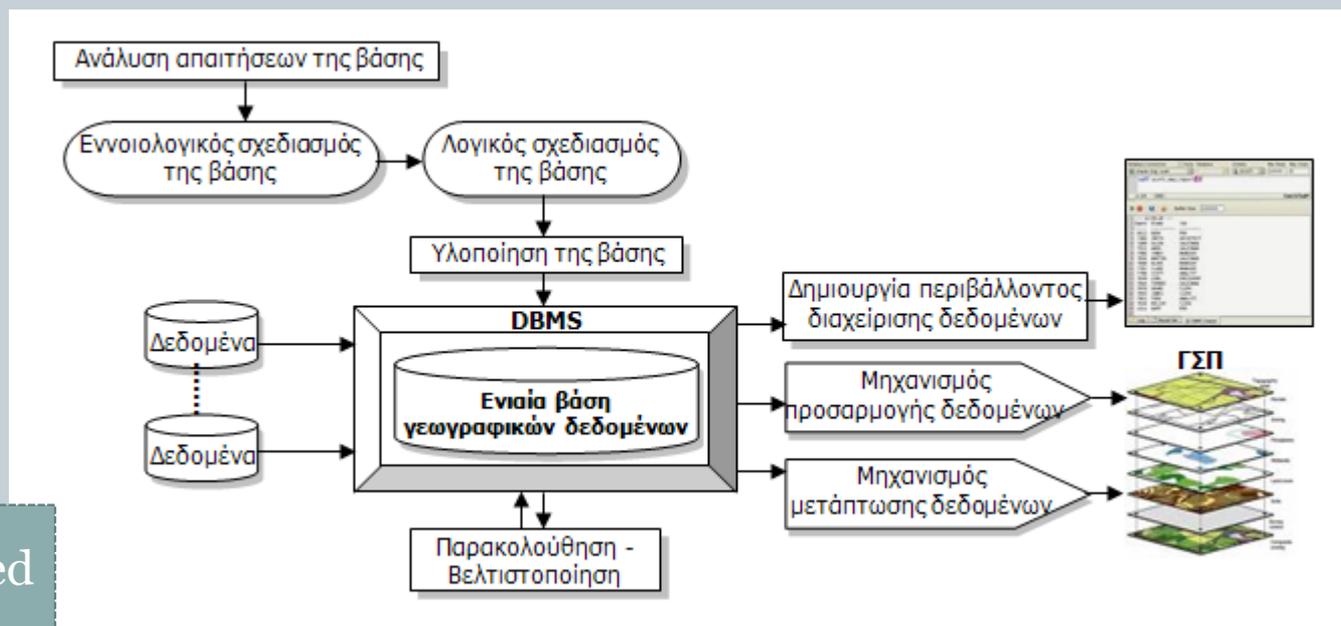
***GNORASI: Knowledge and processing algorithms data-flow development tool for remote sensing data management, financed by the Greek General Secretariat of Research and Technology***



Completed

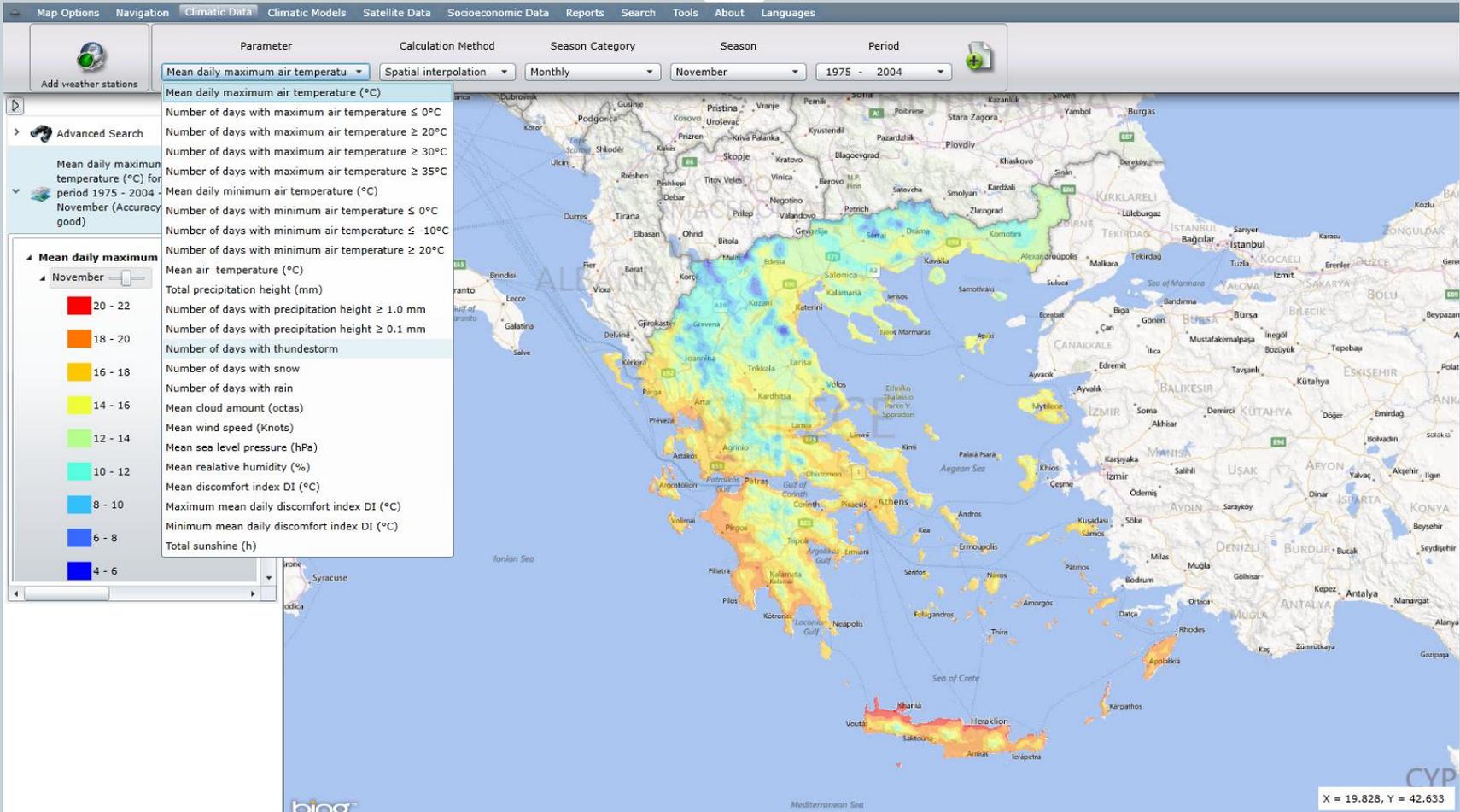
# National Projects -2

## ***GEOKLIMA: Development of a Geographic Information system for Climate Data, financed by the Greek General Secretariat of Research and Technology***



Completed

# Geoclima web Application





# Experience and other Projects. International Cooperations



- More than 10 European projects
- More than 50 National Projects
- More than 100 Private clients including large companies
- More than 300 Environmental Impact Assessment Studies
- **Greek/China Cooperation** – Coordinator: Aerovis, Air Pollution Spatial Modelling
- **GSRT-Cooperation 2013** : Green Vineyard, Precision Agriculture for vineyards optimization:
- **ESPA** – DEYA Komotinis : GIS and DSS system for water management and telemetry system.
- **Life+ Policy** – 2007: Green Drachma, Environmental benchmarking.

# Current and Future Plans



- No products. Only projects and Services.
- What we do best is:
  - Matching & Integrating existing technology
  - Collaborating with Research Centers to explore new possibilities
  - Support Organizations with Environmental ICT and PM, Consulting,
  - Provide evolutionary SW maintenance.
- “Internet of Things” & Crowdsourcing for Environmental Monitoring
- Crowd Management with multi modal sensors & geospatial data
- Social Gamification for Environmental purposes and awareness
- New Ideas for H2020 opportunities.

# THANK YOU FOR YOUR ATTENTION



:DRAXIS

:DraxisEnv