

## Elpho, Greece

**Elpho increases the accuracy of data collection with a web-based application built on iSMART®.**



### Background

In the agricultural sector, tracking the award of Government and EU grants to specific farms can be a significant administrative task. Governments are seeking to automate this process.

### The challenge

Previously, subsidies for two main crops in Greece – olives and wine – were allocated in response to data collected by farmers in inefficient paper-based systems. This process made the checking of claims against actual spatial data (i.e. the land itself) a lengthy and often inaccurate procedure. As a consequence, ensuring payments were correct involved a significant investment of time and money, both in terms of administrative costs and overpayment.

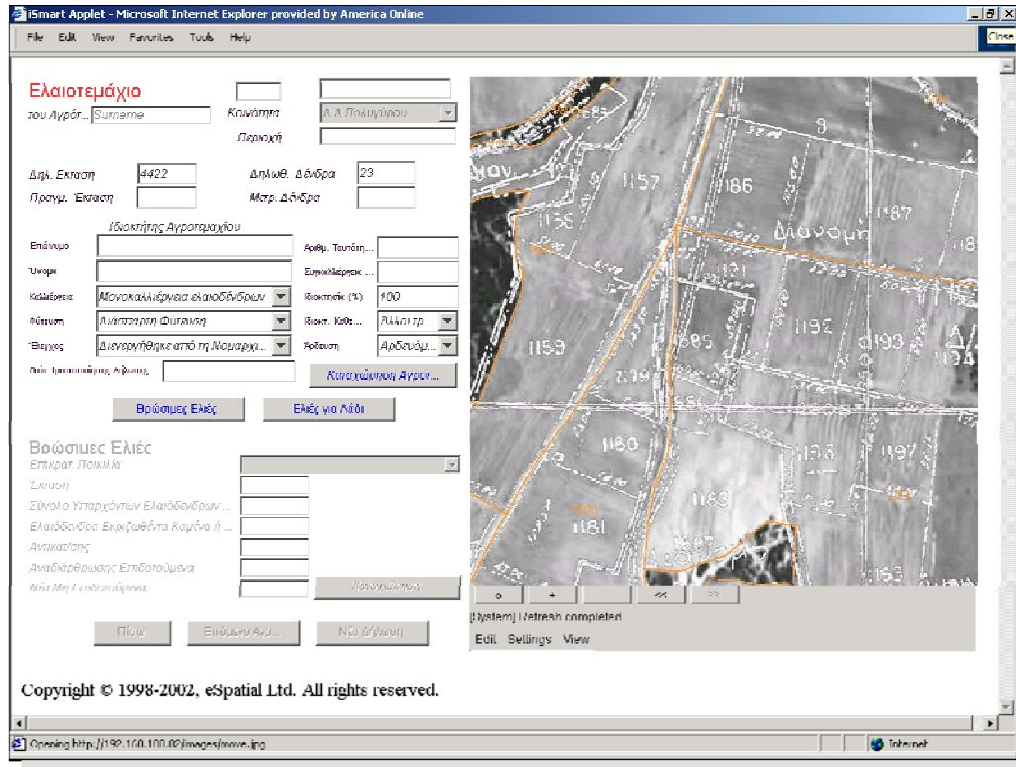
### The solution

The Ministry of Agriculture has sub-contracted the collection of initial data. Elpho oversees the gathering of data for most of northern Greece. This task involves recording producer information, digitising olive and vine land parcels and collecting large amounts of data about individual parcels.

Elpho has moved away from ineffective paper-based systems, which, as farmers are not present when information is entered into the system, can cause initial errors to go undetected.

Elpho chose iSMART to deliver a system that would support the unified collection of spatial and business data, and potentially provide the basis for a national, central system to manage olive and vine parcels for the entire country.

The system runs on Oracle 9i with 9iAS, and can be accessed via any standard web browser, enabling direct access by the Greek farming community. By building on a standards-based, open infrastructure, the system will be able to evolve to cover new areas and new functionality as they are needed.



## Benefits for Elpho

- Data can be collected and entered into the system locally, enabling inspectors and farmers to agree field boundaries in situ and thus avoiding conflict concerning accuracy of subsidy levels.
- Parcels can be quickly and easily located using a variety of search criteria – a significant advantage considering small sized parcels and their loosely defined boundaries.
- The system supports the digitising of individual trees, and maximising accuracy of subsidy payments.
- Online topology building enables immediate calculation of parcel area and number of trees within parcels – all done in the presence of the producer.
- Claims can be automatically validated against stored spatial data to ensure accuracy.
- Parcel and farmer information can be updated in the spatial environment and changes will be reflected in attribute data.
- Printing of grant application forms based on data taken directly from Oracle.

- Printing of orthographically rectified projections of parcels and farms will be available direct from the database.
- Full support for the Greek language and alphabet is included in the finished application.

## About iSMART

iSMART transforms data with a geographic component into easily-understood maps, charts and graphs that can be interpreted to provide actionable business insights.

Combining the latest innovations in software delivery and usability with the full functionality of a Geographic Information System (GIS), iSMART makes location intelligence available to any organisation.

iSMART is an affordable, predictable, and scalable location intelligence tool, suitable for both GIS experts and newcomers to location intelligence alike. It also provides an ideal enterprise grade hosted services delivery platform for geospatial applications.

## About eSpatial

eSpatial is a leading provider of Geographic Information Systems (GIS), and a pioneer in the provision of location intelligence delivered via Software-as-a-Service (SaaS).

Our flagship product, iSMART, has pioneered the availability of a full-function GIS or location intelligence tool with SaaS delivery.

As an established presence in the GIS and location intelligence space, eSpatial has developed considerable expertise and intellectual property in spatial software use and development.

We are proud to work with leading technology partners such as Oracle, NAVTEQ and Digital Globe; and to count many leading organisations amongst our global customer base.

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