eSpatial

# The Forest Service, Ireland

Forest Service

**The Forest Service (part of the Department of Agriculture, Food & Fisheries Ireland) deploys a Forestry Inventory Management System (FIMS) based on iSMART®.**
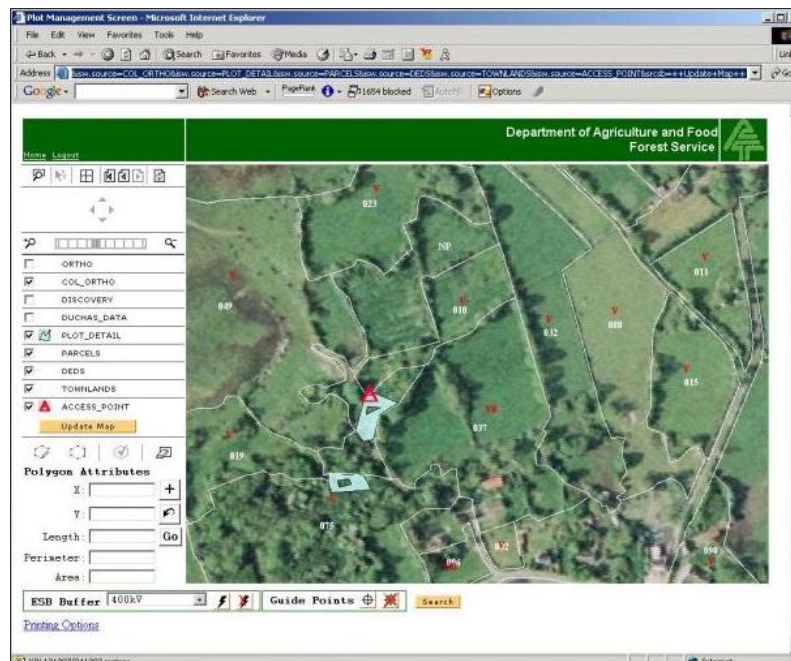
## Background

The Forest Service is responsible for ensuring the development of forestry within Ireland to a scale that maximises its contribution to national socio-economic well-being on a sustainable basis that is compatible with the protection of the environment.

A team consisting of Accenture and eSpatial developed The Forestry Inventory Management System (FIMS) using iSMART and Oracle technology.

The system is built using an open, standards-based, platform-independent architecture, rather than separate GIS infrastructure, resulting in complete flexibility and compatibility. Deployment within the Oracle environment additionally ensures reliability, scalability and security.
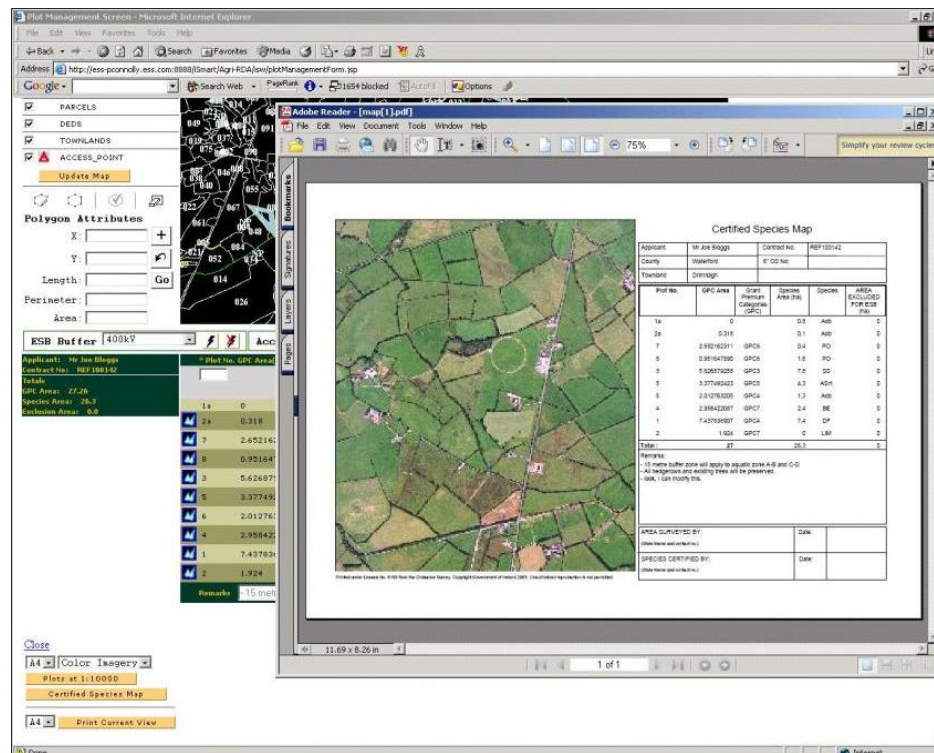
Prior to the introduction of FIMS, applicants were submitted as hand-drawn maps and hand-written application forms to the Forest Service. The FIMS application now permits the applicant to submit both their maps and form data electronically over the Internet.

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## Benefits for the Forest Service

A key benefit for the Forestry Department is the fact that FIMS is developed on an existing infrastructure within the Department called iMAP, leveraging existing hardware and software licensing as well as leveraging their existing spatial dataset.

- The FIMS Application is pure html based, thus resulting in no requirement for any large downloads to the client and facilitating the applicant to process applications over standard Internet browsing bandwidth, resulting in a more efficient business process between the Forest Service and their customers.

- The applicants have been provided with the ability to "Redline Digitise" their plots to a database whilst viewing and overlaying existing layers within the DAF production database, thus increasing the accuracy of each application.

- The applicants have the ability to print the contract just applied for. This consists of printing the "redlined work" on top of the orthophotography and the existing DAF parcel layer, allowing them to verify their application.

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## 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.

eSpatial is headquartered in Dublin, Ireland.

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