


## Training Outline



Geographic Information and Environment Law Enforcement within IGAMAOT  
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### 1. Trainer's professional experience in brief

	
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### 2. Learning objectives

Demonstrate the importance of Spatial Data Infrastructures for environmental law enforcement;

Illustrate the importance of data dissemination and visualization in the context of the institutional cooperation;

Evaluate the potential of geoprocessing tools applied to the identification of risk facilities.

### 3. Training session abstract

The General Inspectorate for Agriculture, Sea, Environment and Spatial Planning (IGAMAOT) is a Portuguese central service that controls, audits and supervises the areas included in the mission and tasks of the Ministry for the Environment, Spatial Planning and Energy (MAOTE) and of the Ministry for the Agriculture and Sea (MAM).

This training session aims to demonstrate the system that supports the continuous monitoring and evaluation of law compliance in the areas of environment and spatial planning by public and private entities.

Permanent environmental monitoring can be ensured by the use of accurate geographical information. The development of geographic information technologies and tools can be a valuable contribute for the support of spatial risk analysis. IGAMAOT Geographical Information System is in constant evolution for the support of inspection activity.

## **4. Suggested reading list, sources, useful links**

[www.igamaot.gov.pt](http://www.igamaot.gov.pt); [www.igeo.pt](http://www.igeo.pt); [www.dgt.pt](http://www.dgt.pt); [www.apambiente.pt](http://www.apambiente.pt); [www.igeoe.pt](http://www.igeoe.pt)

## **5. Glossary (List of key concepts)**

Geographic Information: is a collection of data that are individually or collectively attached to geographic location. Spatial data is often used synonymously with geographic data.

GIS - Geographic Information System: is a computer system designed to allow users to collect, manage, and analyze large volumes of spatially referenced and associated attribute data.

GPS - Global Positioning System: A network of radio-emitting satellites deployed by the U.S. Department of Defense.

IGAMAOT - General Inspection of Agriculture, Sea, Environment and Spatial Planning

Spatial Analysis: is the process of modeling, examining, and interpreting model results. Spatial analysis is useful for evaluating suitability, capability, for estimating and predicting, and for interpreting / understanding.

SDI – Spatial Data Infrastructure: provides a framework of standards, policies, data, procedures, and technology to support the effective coordination and sharing of spatial information among a community of stakeholders