

OSIRIS has a three dimensional impact.

At the operational level, by:

- Facilitating access for users to multi-domain sensor information.
- Covering from the monitoring phase to risk management in crisis situations.
- Providing an open solution addressing environmental requirements, implementing real live experiments for water, air, fire.

At the system level, by:

- Providing an intelligent and versatile architecture.
- Enabling the system reconfiguration and evolution.
- Defining the strategies for sensor management, sensor deployment, and sensor cooperation.

At the sensor level, by:

- Defining the technologies for plug & play of either individual sensors or networks of sensors into a web service architecture.
- Implementing the Sensor Web Enablement services (OGC standards).
- Developing the required technologies for cooperation of sensors or networks of sensors.

THALES



**OSIRIS is
a user-driven
Project:**



For further information, contact:

Danielle Tacyniak
OSIRIS project manager

Thales Communications
1-5 Avenue Carnot
91 883 Massy Cedex – France

Phone: 33-(0)1-69-75-33-73
Email: danielle.tacyniak@fr.thalesgroup.com

OSIRIS web: <http://www.osiris-fp6.eu>



Open architecture for
Smart and
Interoperable networks in
Risk management based on
In-situ
Sensors

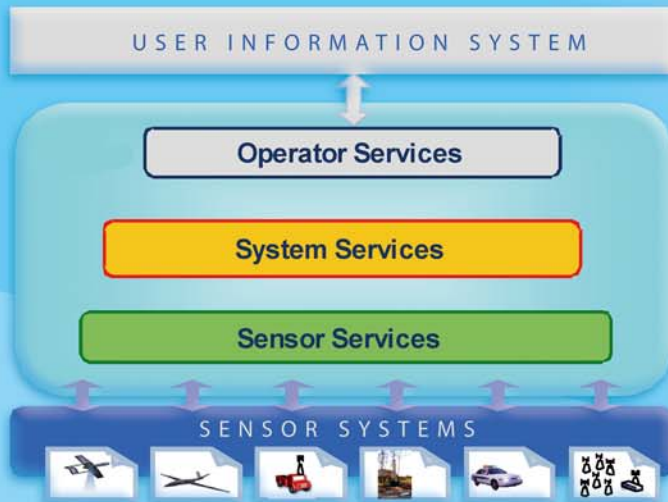
**A Key Integrated
European Information
Infrastructure for
Effective Environment
Management**



Targeting the GMES initiative (Global Monitoring for Environment and Security), **OSIRIS** is co-funded by the European Commission under the Information Society Technologies FP6 Priority (Contract 0033475).

The **OSIRIS** Project calls for the definition, development and testing of services dedicated to surveillance and crisis management, thus significantly enhancing the overall efficiency of the related operations.

OSIRIS provides a Service Oriented Architecture based on standards and delivering functions ranging from in-situ earth observation to end user services.



The project is structured around four key areas of major environmental risks:

- **Forest fires.**
- **Industrial risks: fire in industrial buildings.**
- **Fresh water pollution.**
- **Air pollution in urban areas.**

The **OSIRIS** solution will be deployed in these areas, leading to four live experiments, complementary in:

- **Environmental concerns.**
- **Time constraints.**
- **Sensors - based on mobile or fixed platforms.**
- **Information delivered by the sensors.**

Addressing smart deployment, use and reconfiguration of in-situ sensor systems, the **OSIRIS** proposed architecture is scalable to allow for easy integration of new sensor data to further improve the quality of service.

