



A wide range of complementary services

The RISKFRAME offer is fully scalable to suit application contexts of all dimensions : from equipping a local centre through to implementing a multi-site national crisis management system.

This offer comes with a range of support services, both generic (installation, maintenance, training) and specific (integrating and interfacing with existing systems, developing custom functions).



In addition, Infoterra France, an acknowledged specialist in geo-information services, offers a wide range of cartographic and thematic products for supplying or expanding the geographic database, including:

- Very high resolution satellite imagery;
- 3D data: DTM, 3D models of cities/towns;
- Vector mapping;
- Habitat and population mapping.



Monitoring and communicating with mobile systems and people

With RISKFRAME you can monitor the movements of vehicles and resources (see Tactical Situation), but also monitor and communicate with individuals equipped with special light equipment. A communication mode for difficult conditions lets you remain in contact in all situations. Among other things, this function enables the safety of external support personnel assigned to a crisis.

Infoterra France

Infoterra France, a wholly-owned subsidiary of EADS Astrium, has been created in January 2006 by the merge of ISTAR and of teams from Astrium's Earth Observation Services division specialising in risk management and the development of agricultural and environmental protection information services. The company is part of the Infoterra group, which has over 300 employees in France, Germany and the United Kingdom.

RISKFRAME

Risks and crises management

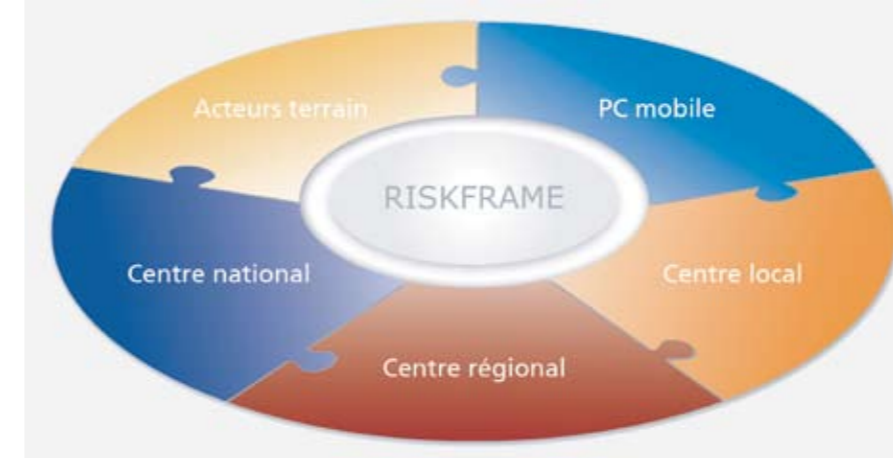
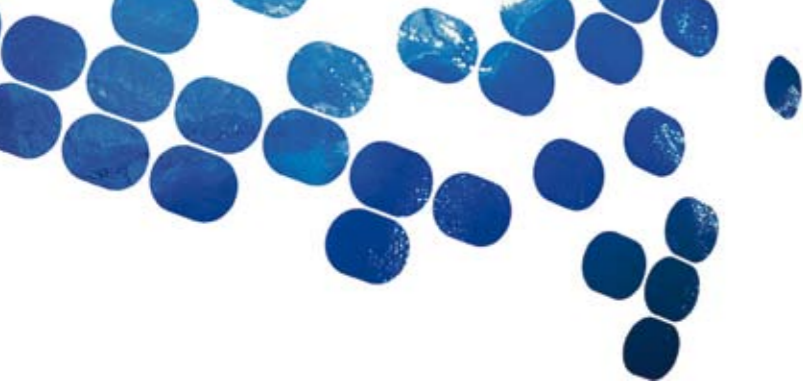


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Preparing for, and managing crises

Preventing and anticipating risks, managing crisis situations, and building up experience so as to be better prepared: these are key issues for the actors involved in civil defence. RISKFRAME was developed to meet these requirements in a simple and effective way.

RISKFRAME is a GIS (Geographical Information System)-based application system, which covers the entire crisis cycle:

- prevention: for preparing and managing operational geographic data and simulating scenarios;
- during the crisis: for real-time situation monitoring, intervention coordination and resources management;
- after the crisis: for experience capitalisation.

Created and developed in close collaboration with operational users, RISKFRAME is designed for implementation in local, regional or national crisis management centres or emergency centres, as well as on mobile Units.

RISKFRAME's functions

RISKFRAME consists of a set of modules. Depending on his/her profile, each user has access to all or some of the modules described below.

Operational Geographical Data (OGD) management

For creation and maintenance of Operational Geographic Database. This module allows geographical objects of interest (sensitive sites, characteristic areas, etc) to be created via interactive data inputs based on maps or satellite images, by importing ground survey data or by integrating existing data files. These objects can be linked to different types of data: maps, photos, documents, etc.

Scenario analyses

For analysing crisis scenarios and assessing their potential impact, in the prevention phase. Advanced functions for impact analysis and document generation allow fully configurable reports to be generated.

Tactical Situation

For the interactive creation and maintenance of the tactical situation, in the crisis phase. The user can specify the crisis type, the intervention area, the resources involved, the actions assigned to them, etc. This information, which is shared by all the teams involved in crisis management, is updated according to feedback from the field and situation evolutions. RISKFRAME also allows the positions of mobile units to be monitored in real time.

Anticipation

For studying potential situation evolution scenarios, during the crisis, so as to prepare future operations. This module gathers the Tactical Situation and Resource Management functions with specific analysis functions (accessibility analysis), and can be interfaced with modelling environments (propagation of fire, of toxic clouds, etc.).

Resource management

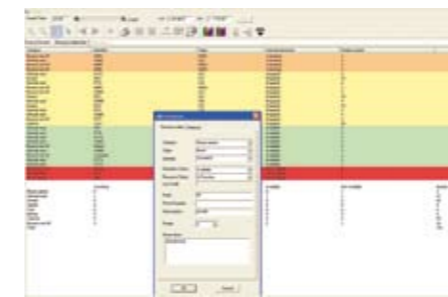
For real-time monitoring and management of the status of resource requests for all the interventions. Each resource is tracked from the initial request to its arrival on site and through to its return. This module also offers functions for managing staff, frequency plans and also for the equipment associated with the resources.

Communications Log (message board)

For managing, monitoring and sharing all the messages exchanged during the intervention.



Tactical Situation and Communication Log



Resource Management



Anticipation



Scenario Analyses

RISKFRAME's strengths

Ergonomy and simplicity of use

RISKFRAME's intuitive ergonomics is suited to operational users who are not GIS specialists. The central element of the interface is the cartographic representation, where the user can very easily navigate, zoom, select "layers", search for information, etc. All the system's functions are highly interactive. Thus, a Tactical Situation is created using simple "drag and drop" operations with the mouse, directly performed on the maps.

Powerful data management features

RISKFRAME is based on a distributed architecture that allows a multi-user and multi-site deployment, even with a large number of concurrent users. Collaborative working is handled efficiently thanks to a mechanism of "sessions"; several crises can thus be processed in parallel. RISKFRAME also makes it easy to capitalise on information relating to a given situation, thus enabling post-crisis analysis and later use in similar contexts.

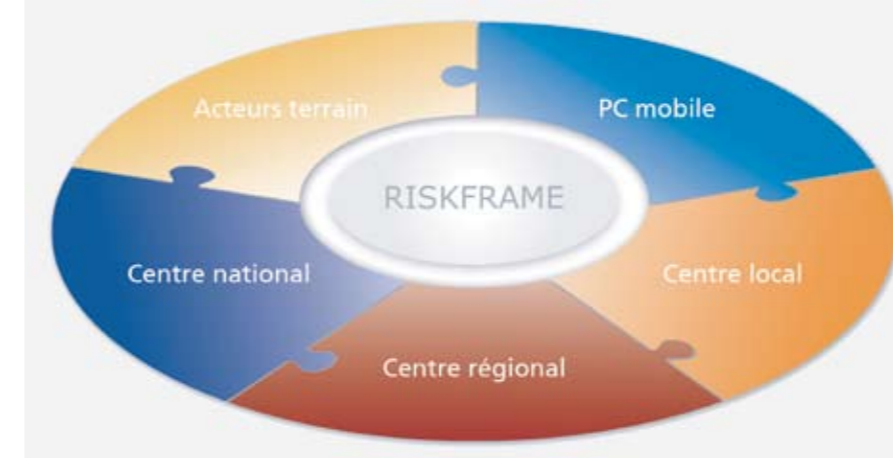
Upgradability and interoperability

Based on standard market software (GIS, Database), RISKFRAME is structured as a "tool box"; therefore it is readily adaptable to specific requirements.

RISKFRAME complies with the latest IT and geomatic standards (OGC, XML, etc), thus guaranteeing a high level of interoperability with off-the-shelf GIS, early warning systems, and external databases. The data model used in RISKFRAME for representing Operational Geographic Data complies with the French civil defence service standard ("ENSOSP standard"); nevertheless it can be easily modified by the user, in terms of either symbols or data structure.

Access to meteorological and hydrometeorological data

The RISKFRAME system is also used for flood forecasting applications. Special interfaces have been developed so that meteorological data (precipitation measurements) and hydrometeorological data (river gauges) can be accessed and displayed in real time in the GIS environment.



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Studies and Analyses

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Tactical Situation

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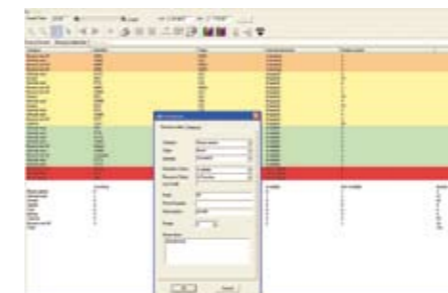
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Situation Tactique et Main courante



Gestion des ressources



Anticipation



Etude et analyses

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