

Expected results

Technological achievements:

Research and development activities for "human centred" information technology in following areas :

- distributed information access and retrieval,
- advanced request tool, including natural language processing,
- user profile and preferences, including geographic location,
- improved information presentation for various terminals.

Demonstrations: Tourism Support Service



Market and business achievements:

Market validation will be performed through full-size demonstrations, in which end-users and operators are involved. Performances assessment task will also show how HYPERGEO results contribute to various information services.

Two ways of promoting these achievements are foreseen, through **technological products** development or through information **services deployment**.

Partners



Matra Systèmes & Information
(France - Prime)

Nouvelles Frontières España
(Spain)



Centre Européen des Technologies
de l'Information en milieu Rural
(France)

Universidade do Minho
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More information ?

Have a look on our web site:

www.hypergeo.org

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Hypergeo

Easy and friendly access to geographic information for mobile users



The right information anywhere, anytime !

www.hypergeo.org

Project overview

HYPERGEO aims at providing technical tools to enable value-added information services related to geolocated information for mobile users.

Objectives

The technical objectives are to develop and integrate, in a single system, innovative software components enabling the users to formulate advanced requests, to access information in both pull and push modes, and to display the information in efficient "multi-layered" form.

The business objective is to prepare the way for innovative services offerings primarily for mobile users needing to access geographic information for their activity.

Detailed objectives are:

- Study and develop **advanced information technology** components to improve information systems efficiency and user friendliness.
- Study new methods to make **efficient use of remote geographic information**, in particular for mobile users.
- Demonstrate the performances through a **Tourism Information system** because its requirements are very representative.
- Show possible **extension to other information systems** applications and define possible models for operation.

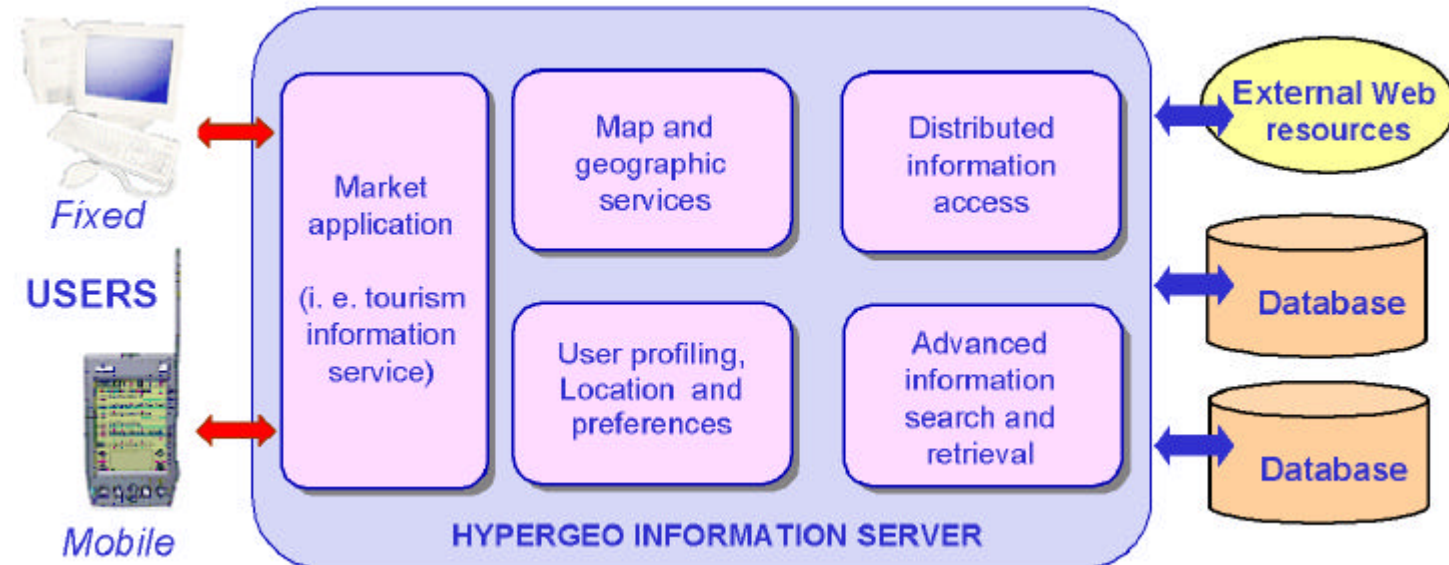
Inside Hypergeo

HYPERGEO project addresses three levels of **information services for mobile users**:

- information collection,
- information valorisation,
- information dissemination.

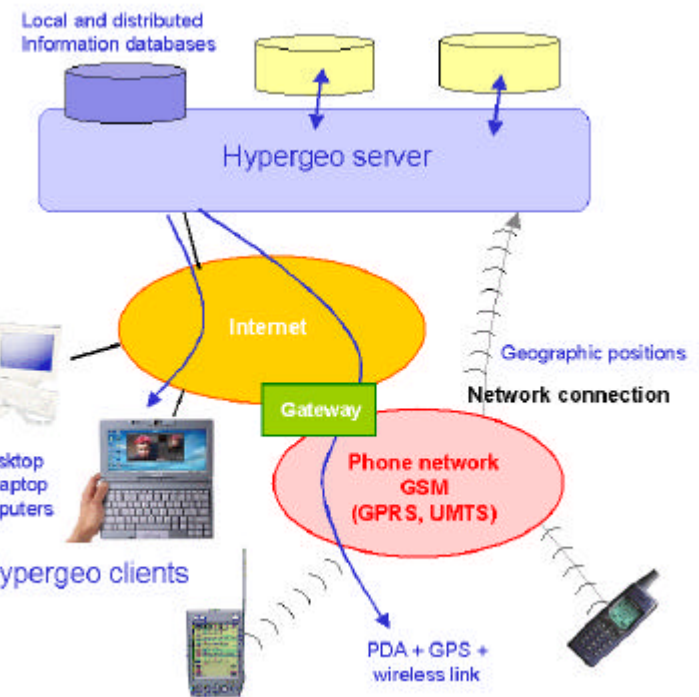
Scientific studies are focused on:

- location-based services,
- advanced request analysis,
- access to distributed information without strong knowledge of its structure,
- natural language request processing.



Design methods:

- N-tier architecture (clients and servers relying on a middle-ware),
- component based architecture (for modularity),
- object-oriented technologies.



WEB technologies: HTML, JAVA, Servlets, XML, SSL.

Wireless technologies: GSM phones, SMS messages, WAP, GPRS/UMTS, GPS.