

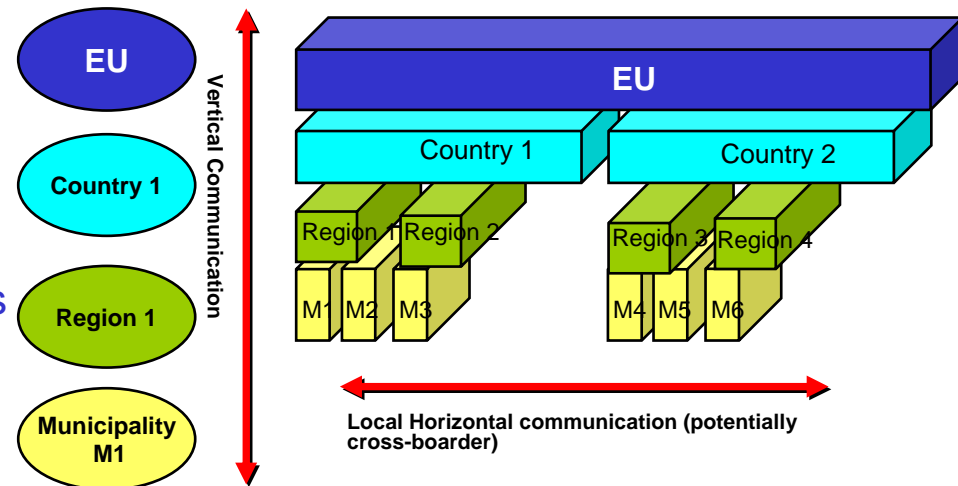
WIN : an open framework for Risk Management applications

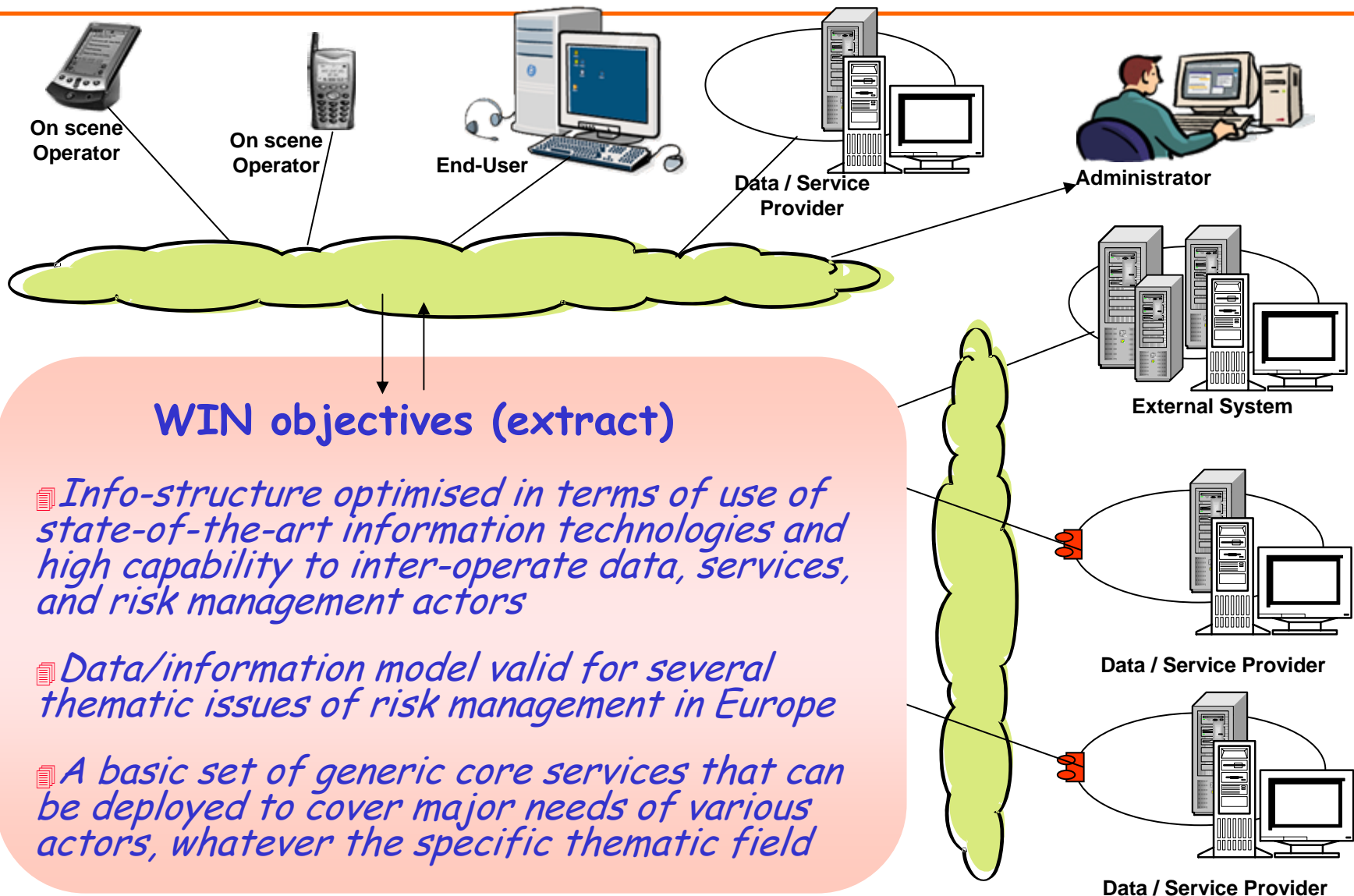


- ◆ WIN stands for Wide Information Network
- ◆ European Commission (EC) has highlighted the strategic objective of “Improving Risk Management” within the FP6 of RTD IST Programme
- ◆ Project features
 - Started in September 2004, ending in August 2007
 - A consortium of 16 partners in Europe
 - A budget of 8 M€, with 4,4 M€ funded by the EC

◆ Requirements overview

- Easier Exchanges and collaboration between actors
- Easier user access to data and services available in their domain
- Common data information model, respecting diversity of existing models
- Support of operational domain practises
- Compliance with existing organisations schemes





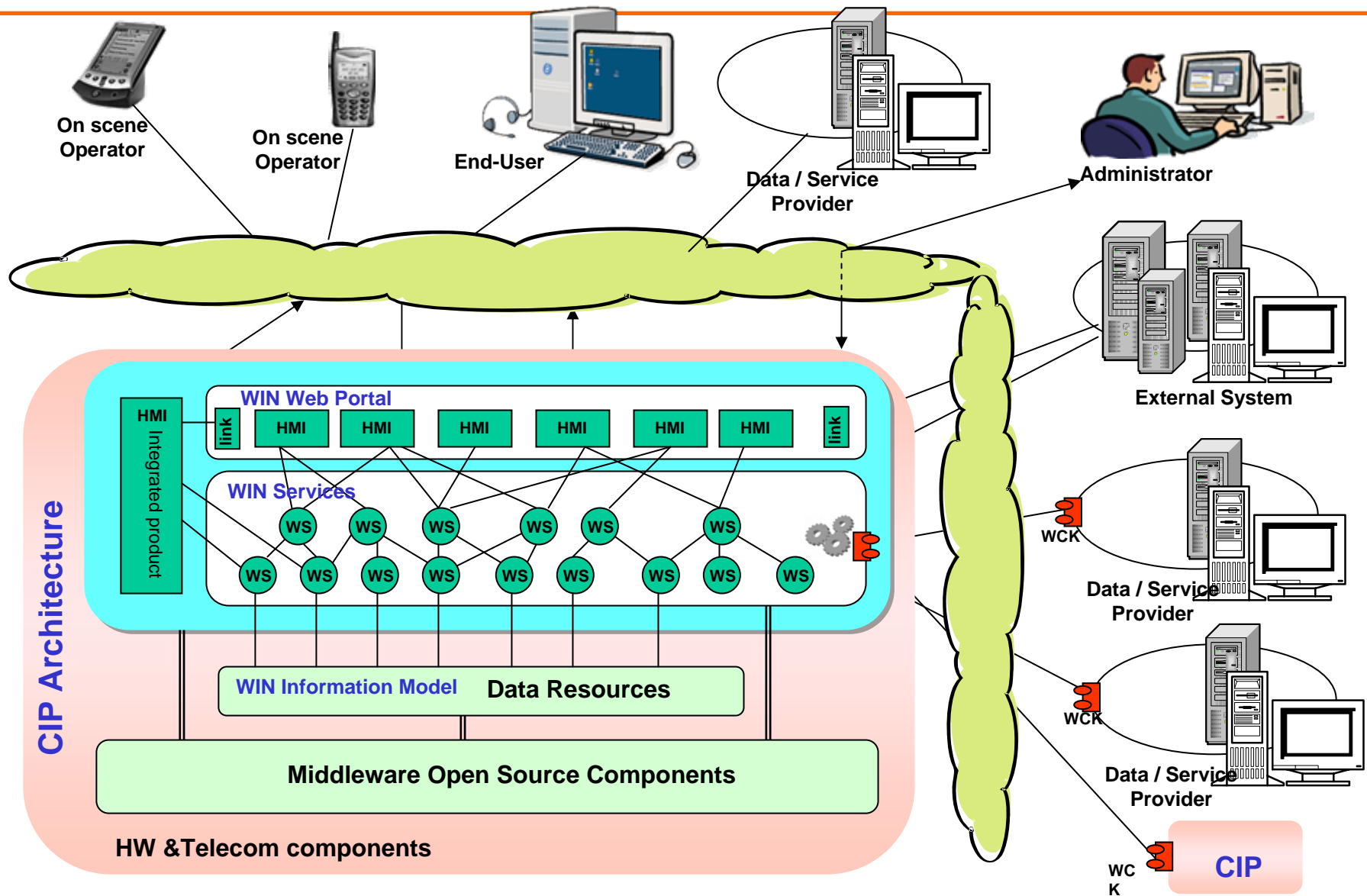
WIN objectives (extract)

- Info-structure optimised in terms of use of state-of-the-art information technologies and high capability to inter-operate data, services, and risk management actors*
- Data/information model valid for several thematic issues of risk management in Europe*
- A basic set of generic core services that can be deployed to cover major needs of various actors, whatever the specific thematic field*

- ◆ An open standardised framework
 - Interoperability resulting from use of ISO, OGC, W3C... standards (Protocols, Format, Data models, ...)
 - Architecting Process and Specification framework based on RM-ODP&ORM
 - Open and flexible : capability to manage new services, new thematic data,...
 - Easy to deploy : based on Web services, light Client, ...
 - Cost effective : maximal use of Open sources components

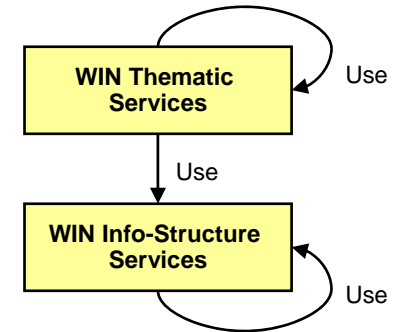
- ◆ An effective solution including generic services, for fast build-up of target solution
 - GIS
 - Catalogues of products
 - Services directory
 - Workflow management
 - Collaborative working
 - Alert service (CAP)
 - Daybook
 - ...

- ◆ A support to Communities building
 - Access portal (tailored according to user profile)
 - Users and service providers registration
 - Charters



◆ Functional categories

- **WIN Info-structure Services** : not specific to an application domain (e.g. user management service, communication service)
- **WIN Thematic Services** : provide application domain specific functionalities (e.g. Oils Spill service, Ships Service)



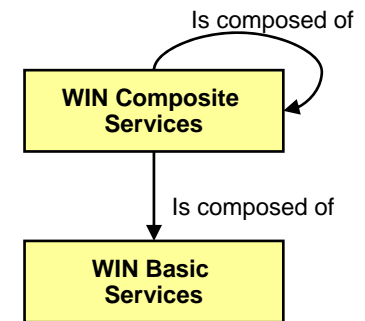
◆ Classification with ISO 19119: Geographic Services

Taxonomy

- | | |
|---|------------------------------|
| □ Human interaction services | □ Processing services |
| □ Model/Information Management Services | □ Communication services |
| □ Workflow/Task Services | □ System management services |

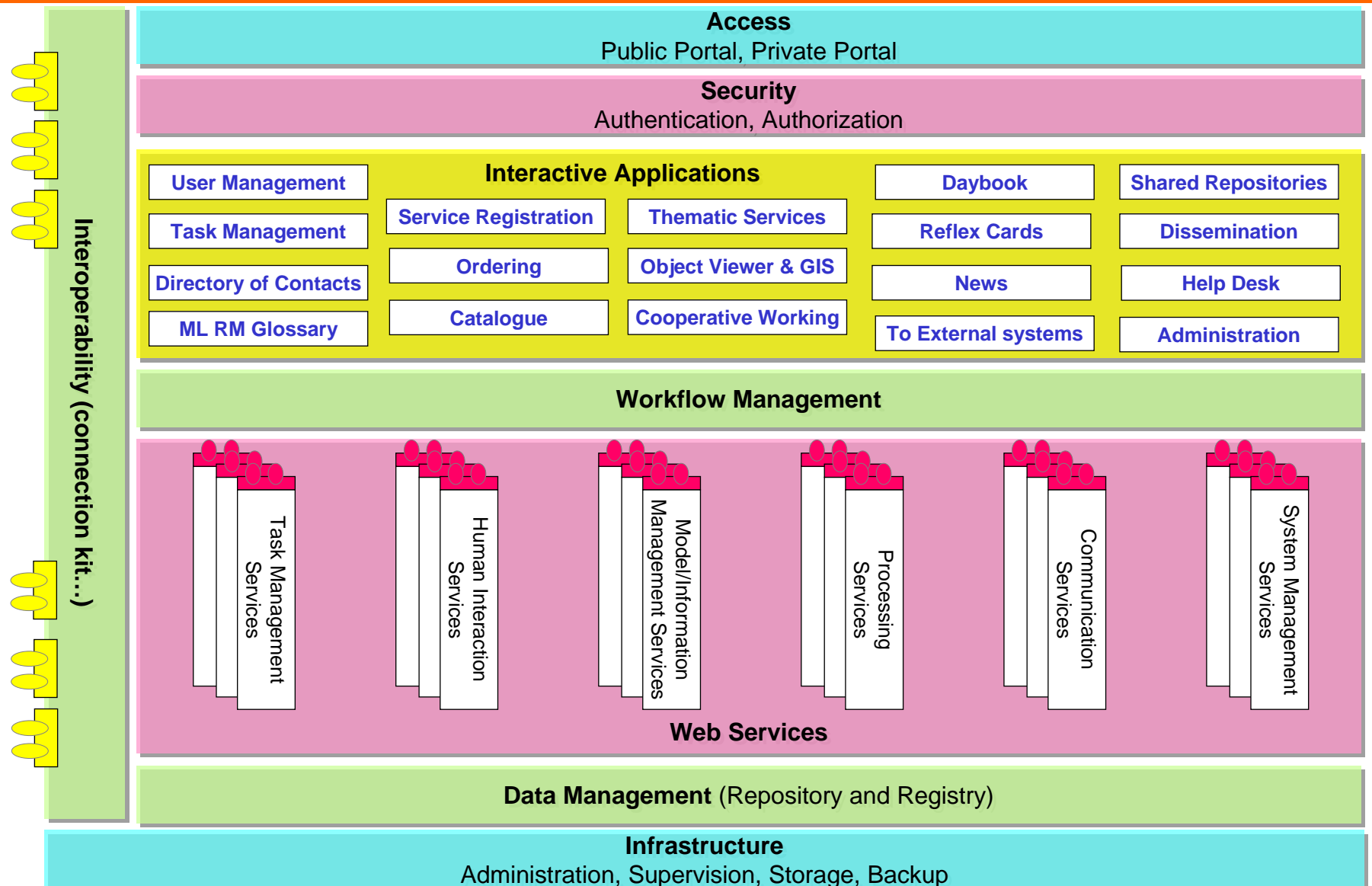
◆ Complexity levels

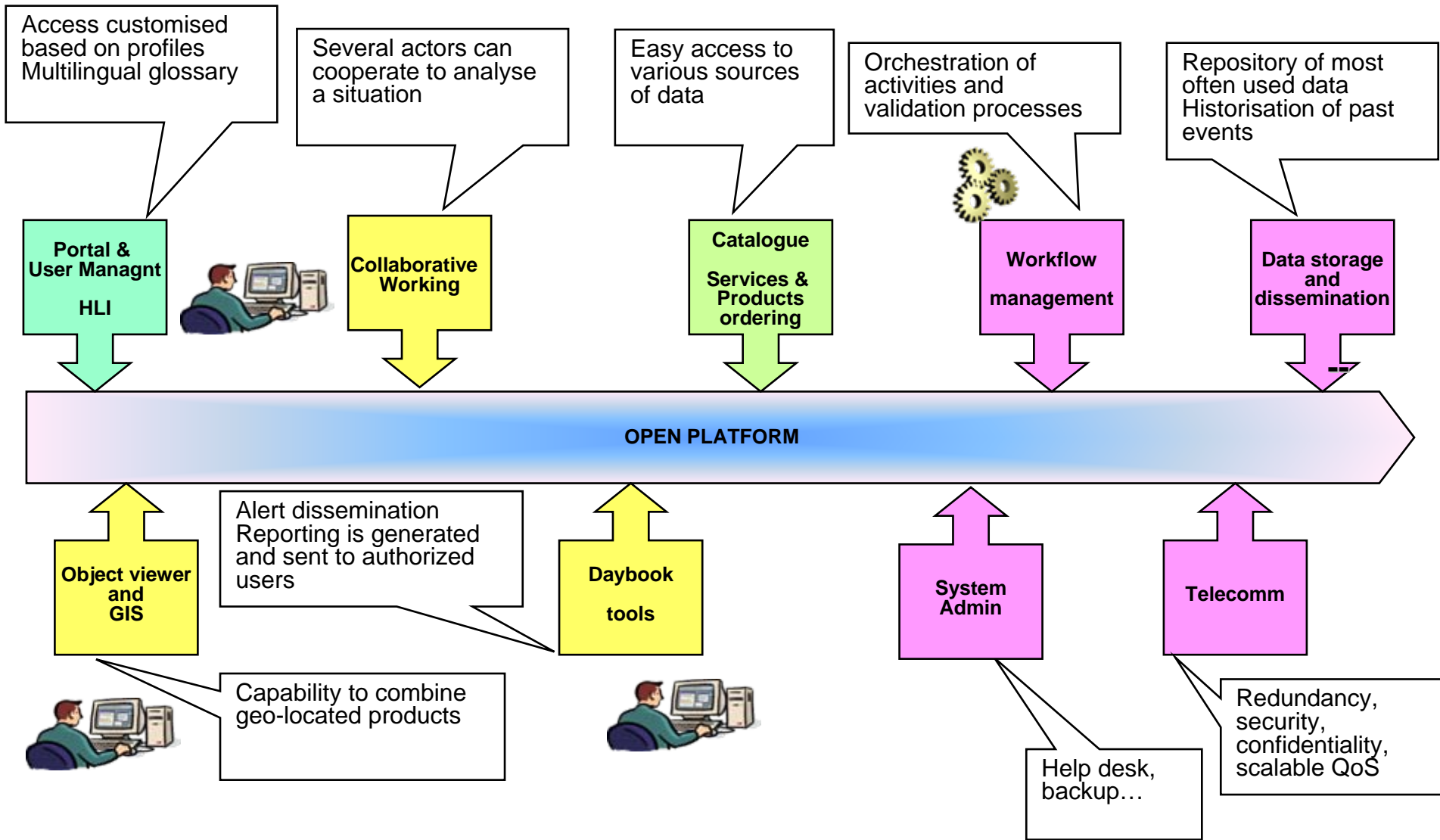
- **Basic** : Low-level services designed from scratch. Most of the Low-level WIN Info-Structure services are basic services
- **Composite** : High-Level services (also named workflows) designed by the composition of several published services. These services can be in the same way basic or composite services.



◆ Other attributes

- **Synchronous / Asynchronous**
- **Stateless / stateful**





Second annual review just performed, positive feedback from review

- ◆ Human language Interoperability (WP 2000)
 - Risk management glossary V1 available
- ◆ Requirements analysis and Thematic analysis (WP 3000, WP 7000)
 - User requirements documents (available on WIN Web site), further used in system evaluation by users
 - Functional model & Technical Requirements further used in system validation
 - Standards data models
 - ▣ Generic models (actors, crisis event including CAP alert, ...)
 - ▣ Thematic (Oil spill use case) + in progress : Data model for fire and floods use case
- ◆ Architecture & design, implementation (WP 4000)
 - Mock-ups used for technology assessment and dissemination
 - Service Oriented Architecture is defined
 - In progress : integration validation of components from development teams



◆ Experimentation (WP 5xxx)

- Experimentation plan, identifying scenarios and actors for :
 - Oil spill scenarios (4 cases)
 - Fire and floods and rapid mapping scenarios (3 cases)
- Dry-run performed using mock-up on the basis of a CG06 scenario

◆ Dissemination (WP 6xxx)

- Web site, Newsletter, brochures,
- In progress : media for user training (Video, media derived from mock-ups, ...)
- Participation to Workshops : OGC Edinburgh, GI&GIS Austria, IDRC 2006 Davos, Red cross Slovenia, EGEMP, ...

◆ Deployment roadmap (WP 1xxx)

- User target inventory
- Preliminary deployment roadmap (target deployment and business models)

- ◆ Collaboration with other projects
 - Infrastructure : ORCHESTRA, ESA HMA, LIMES , U2010,
 - Data harmonisation : RISE & MOTIIVE, with objective to propose extension of OGC standard
 - Thematic projects : Marcoast, Mersea, GMES service evolution, ...
- ◆ System integration and validation, then start of experimentation (2007 Q1) and evaluation involving end users
 - Oil spill : pilot execution, evaluation
 - Fire and floods and rapid mapping : pilot execution, evaluation
- ◆ Update of results based on lessons learned from experimentation and evaluation
- ◆ Dissemination & preparation of deployment
 - Contact with stakeholders, Workshops & User training
 - Deployment roadmaps, business model

Thank you for your attention !

For more information : <http://www.win-eu.org>