



WP8: Exploitation and Dissemination

Mondeca return of experience on
transitioning Tourism Information Systems

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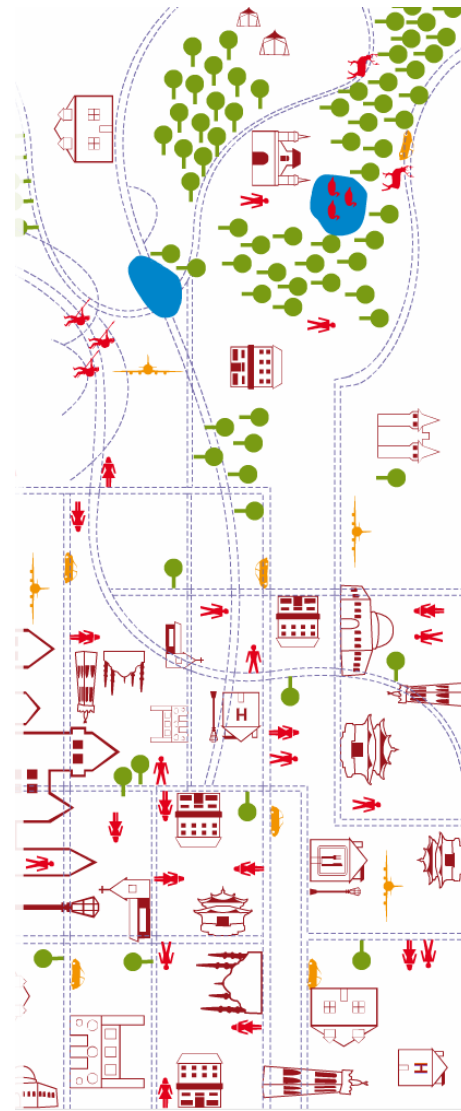
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e-tourism : a school-book use case

- ◆ Relies on knowledge representation
- ◆ Diversity and availability of web services
- ◆ A long experience in sharing and exchanging information in a multilingual environment

e-tourism : a good use case for generic knowledge management problem



Why Ontology based Tourism Information System ?

◆ Regions

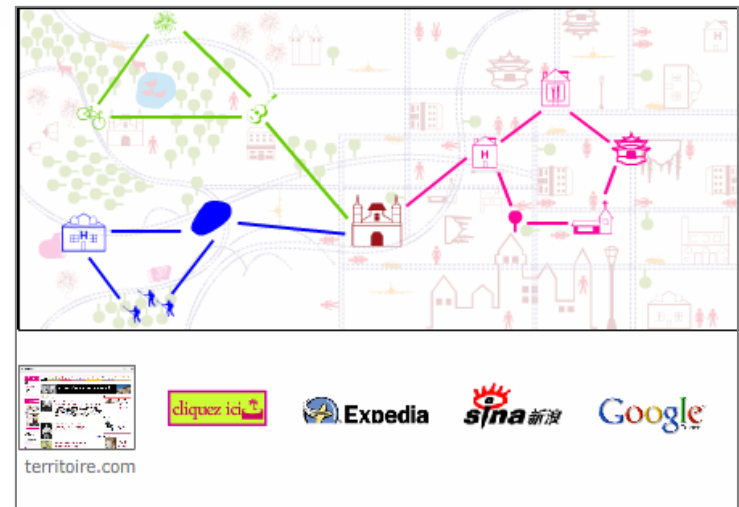
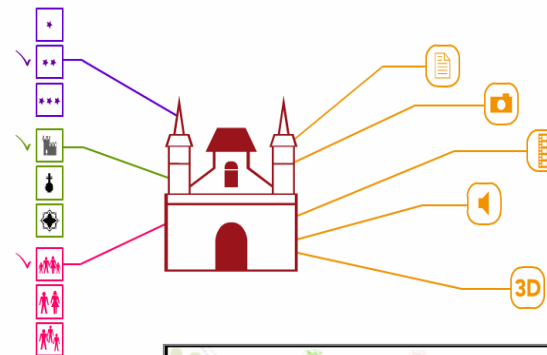
◆ Be able in a **single application** to describe **all region tourism resources** (infrastructure, cultural heritage, events, craftwork...) and their **relationships** for region promotion and cross selling

◆ Expose it on the web

◆ Make it available for partners

◆ Legacy system

- ◆ Database driven
- ◆ Fine for catalog not for tourism resources promotion
- ◆ Unable to reflect marketing strategy : sensible annotation, linking
- ◆ Difficult to integrate with other services



Why Ontology/SOA based Tourism Information System ?

- ◆ Manage **complex resources catalogs** and tourism **knowledge links**
- ◆ **Adapt** to regional specificity easily
- ◆ Use Service Oriented Application
 - ◆ to integrate **added value services** from other suppliers cartography, translation, booking services...
 - ◆ to provide content and Knowledge to partners



Transitioning challenge ?

- ◆ For MONDECA as solution provider
- ◆ Make transitioning fast and effective
- ◆ Build a reusable transitioning process
- ◆ Minimize consulting time during migration and costs
- ◆ Make project fast with limited risk



Methods and tools for Transitioning

Build automatic migration tools for heterogeneous Tourism Information System **based on TAO results and Mondeca experience**

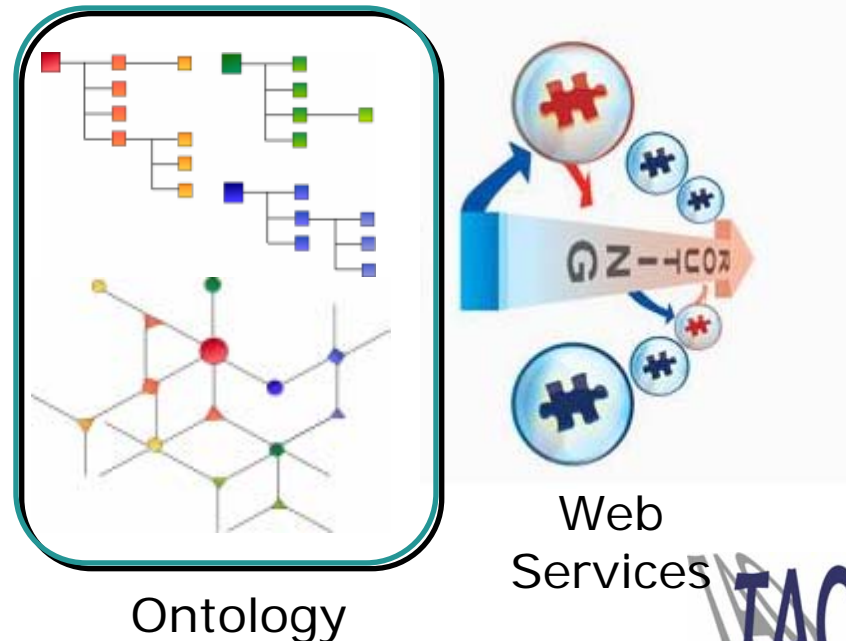
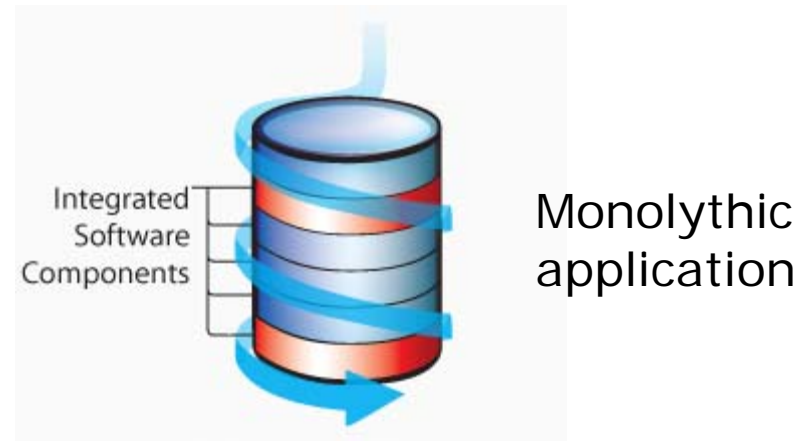
◆ Ontology model and terminology enrichment based on textual document with **TAO-Ontogen**

◆ Tourism knowledge base updates and tourism content annotation with **TAO-GATE/CA Manager**

◆ Enrich the solution with Web Services to replace specific developments

- ◆ Import/export : RDF, SKOS
- ◆ WS for editing, search, navigation & for integration of external services

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- ◆ As Ontology / SOA based application are highly reusable it is **worth to invest in transitioning method and tools** as TAO project anticipated
- ◆ Thanks to TAO, Knowledge Management providers can deliver **faster and more effective migration** solutions and services

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