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Politecnico di Bari, July 17-18, 2008

Managing e-Participatory Knowledge:
Perspectives, Methods and Systems for Planning

July 17-18, 2008

Open Imagining Web Environments for Autonomous Decisions in Physical Space

Luciano De Bonis
Molise University

Faculty og Engineering
Via Duca degli Abruzzi, 86039 Termoli (CB), Italy
luciano.debonis@unimol.it

1. Some premises
2. The concept
3. Some (partial) implementations
4. Works in progress: a new concept...

Luciano De Bonis, Molise University - luciano.debonis@unimol.it

1. Some premises

Luciano De Bonis, Molise University - luciano.debonis@unimol.it

Decision making and spatial planning can be considered neither coinciding nor reciprocally subordinated activities.

Physical space is affected not only by intentional decisions but also by unintentional results of interactions among a great variety of social actors.

Planning can foster either the interactions of social actors or the decisions of decision makers, which strongly can influence physical space.

But both are autonomous activities that planning cannot predetermine

Luciano De Bonis, Molise University - luciano.debonis@unimol.it

In spatial planning processes - especially in participatory ones - particular attention should be paid to the nature and the functions played by the “environmental images” of a given territory.

Codifying and organizing their perceptions in a coherent framework (map *à la* Bateson or image *à la* Lynch) can be considered the ordinary method used by all living species to provide adaptive responses to the environment in which they live.

The behavior of all living beings can be therefore considered dependent on the "images" of their environment built by themselves, largely in an unintentional way

If it is true that in environmental processes behavior of interacting entities is guided by "images", then the plan tends to coincide with the image itself ("plan-image")

In the sense that the "plan-images" tend to constitute the context in which different social actors may freely interact and can autonomously reach decisions regarding the territory with which they are interacting

Luciano De Bonis, Molise University - luciano.debonis@unimol.it

"Image" seen as a complex of different perceived elements organized in a framework can be easily be assimilated to a complex of various files either interconnected or interconnectible one to the other

Image can be therefore seen as a "hypermedia"
And the Web can be considered the appropriate medium where suitable environments can be built for generating and exchanging environmental images or "plan-images"

Luciano De Bonis, Molise University - luciano.debonis@unimol.it

2. The concept

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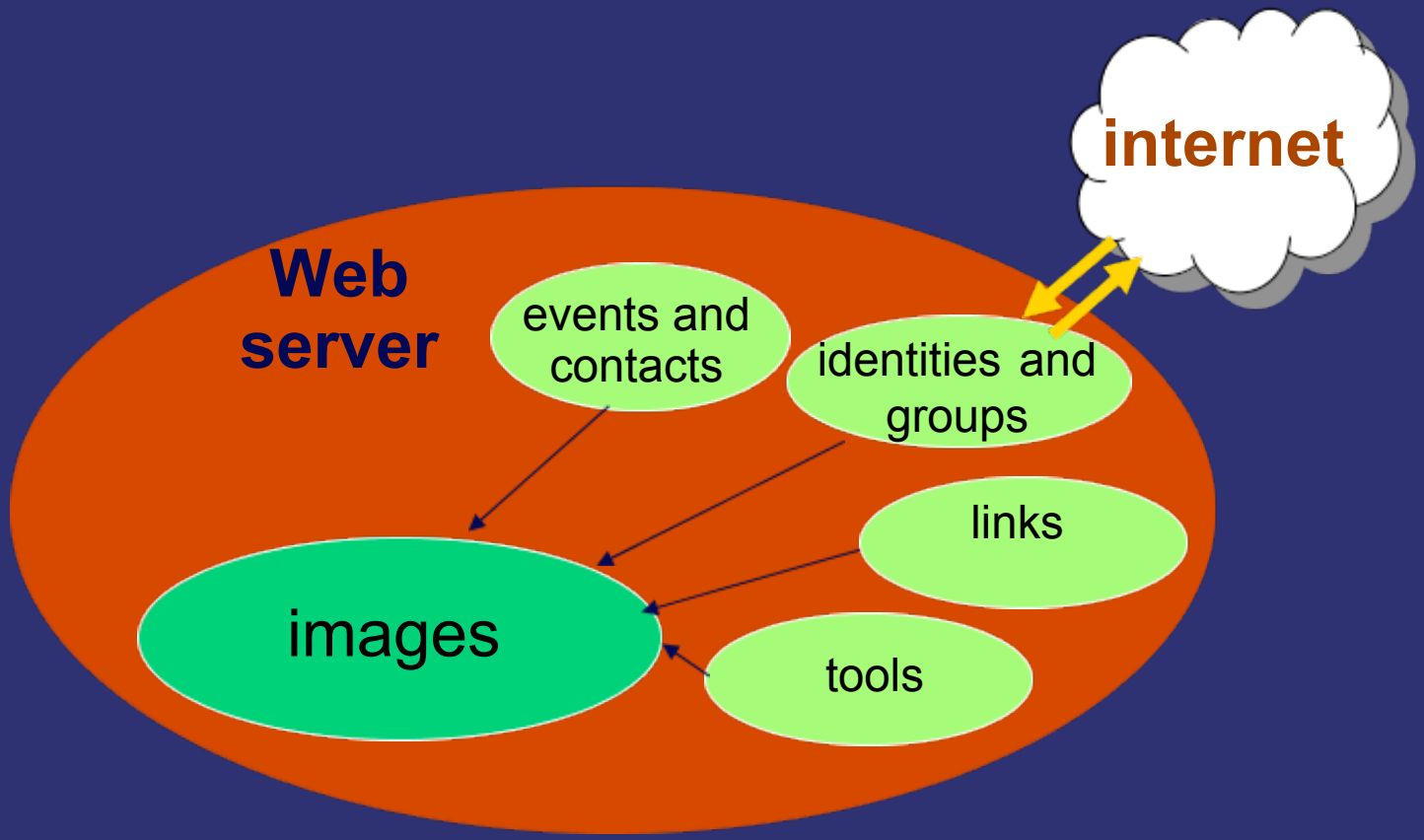
Requirements

- Making possible to whoever to divulge communicative contents or to receive feed-backs on line
- Allowing to whoever to modify, integrate and enrich the divulged contents and to receive feed-backs
- Making possible the widest debate about all information available on line
- Ensuring the most differentiated access to the communicative resources
- Ensuring more or less restricted communicative patterns
- Allowing the use of synchronous and asynchronous tools
- Ensuring the use of real hypermedia communication tools instead of simple textual ones

Architecture of a web environment for "plan-images"



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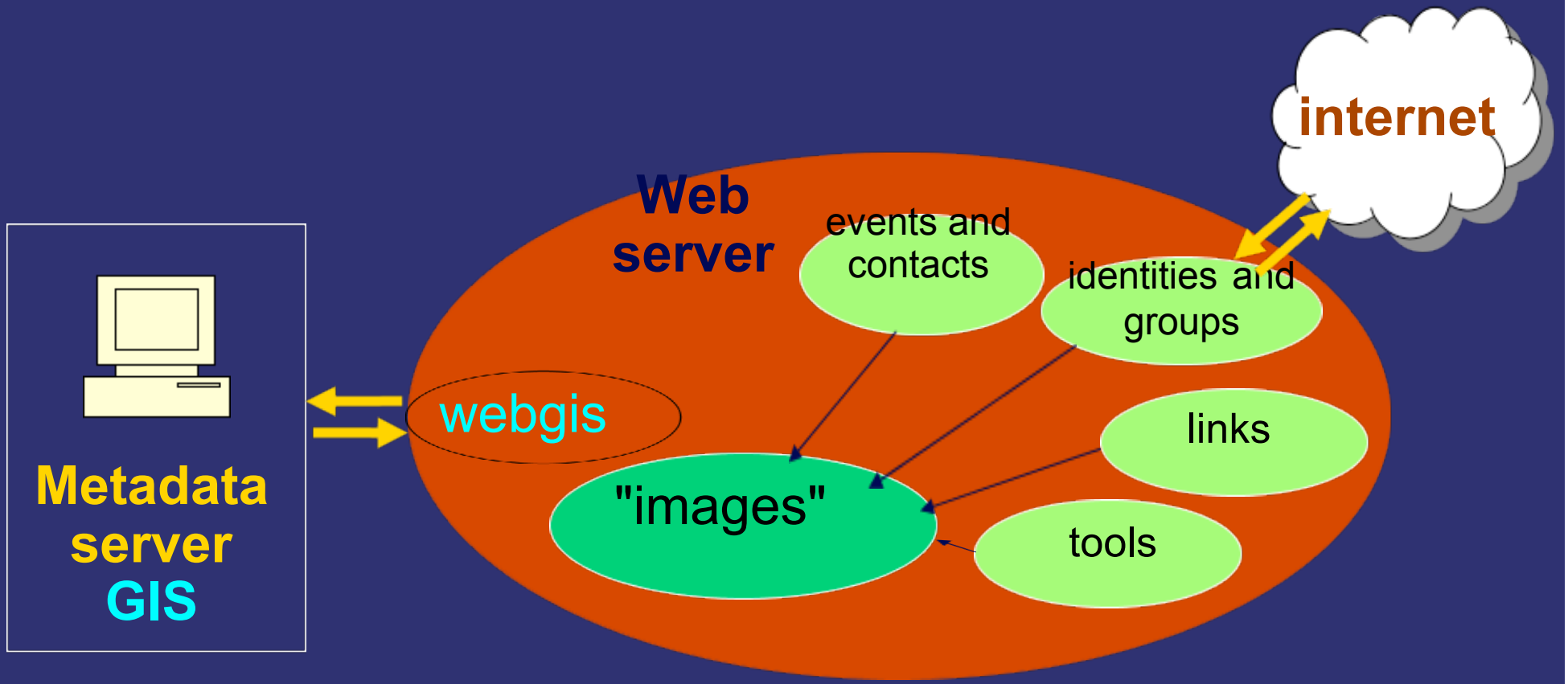

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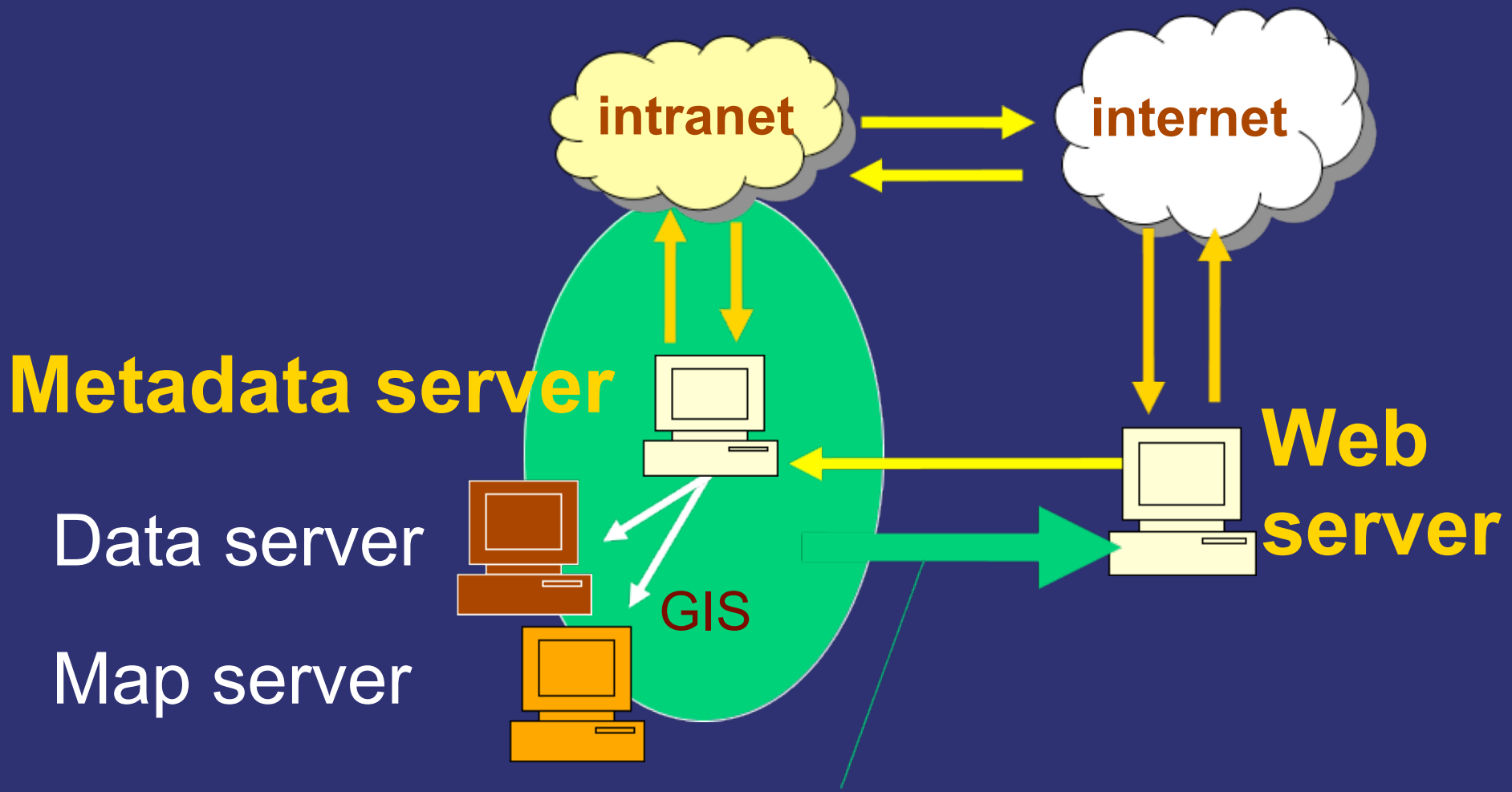
Architecture of an Interactive Information System for "plan-images"

(Budoni, De Bonis, Maurelli)



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Some (partial) implementations

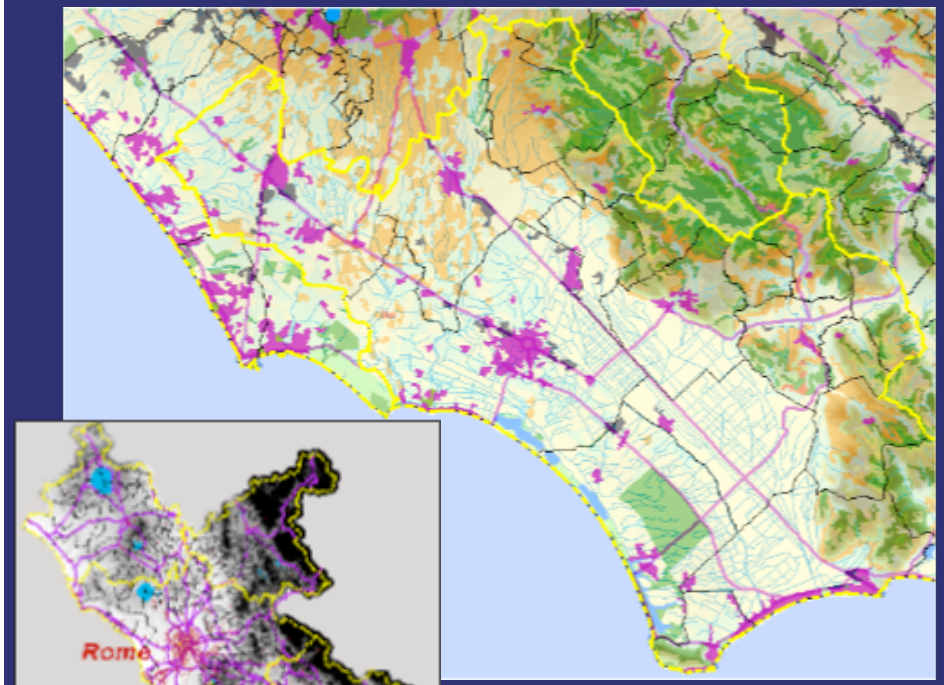
Luciano De Bonis, Molise University - luciano.debonis@unimol.it

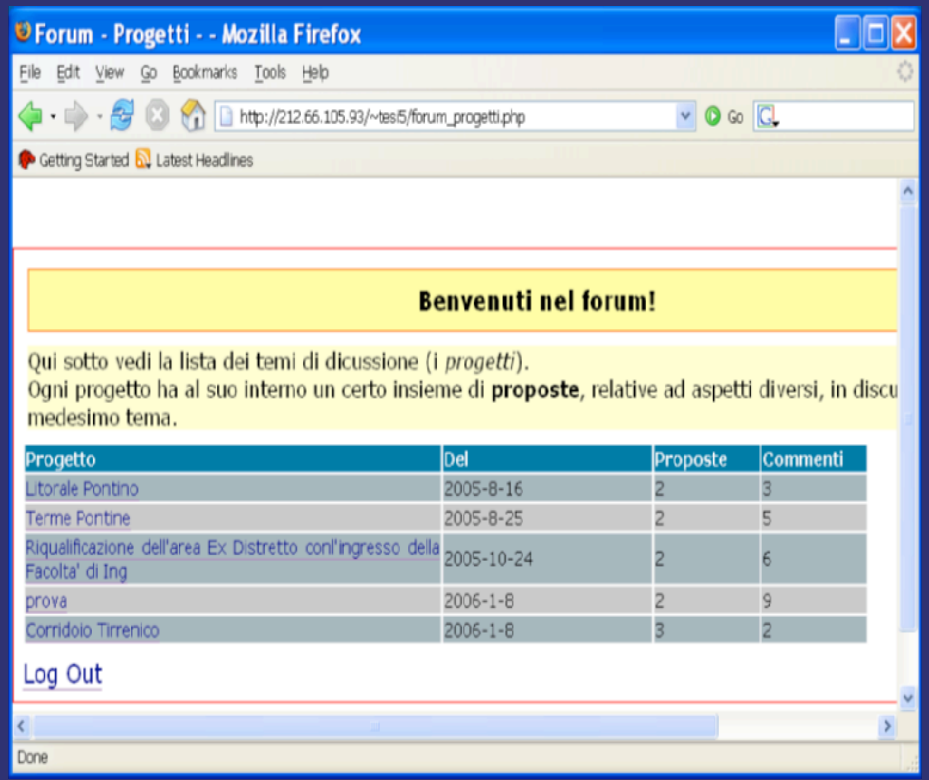
Some (partial) implementations:
web sites

Luciano De Bonis, Molise University - luciano.debonis@unimol.it

partplan system

- ***design of the web application*** by Budoni, De Bonis, Maurelli & Temperini
  - presented at UDMS 2006





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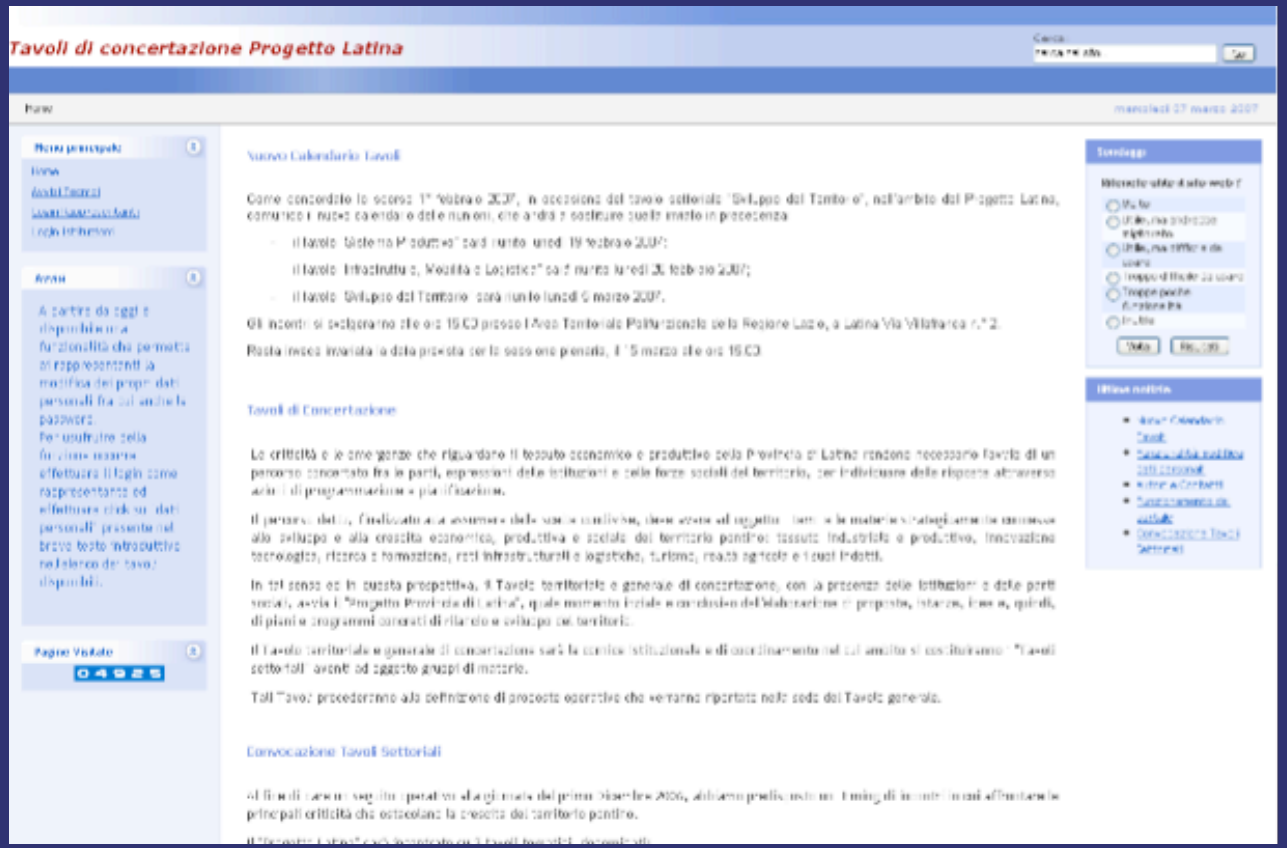
tavoli: supporting the negotiation



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The architecture of "partplan" and "tavoli" does not completely fit with the architecture of our web environment for "plan-images", because it doesn't include any possibility of synchronous interaction.

The implementation of the two web sites must be moreover reconsidered in order to make access and interaction the most flexible and free and the most visible and traceable.

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The architecture of the web environment for the "plan-images" can be easily assimilated to an Open Content System (OCS) intended as that particular kind of Content Management Systems (CMS) inheriting from Open Source Software (OSS) or intrinsically characterized, by some features very relevant to our ends, among which those of (Celino&Concilio, 2005):

- making all knowledge and information “open”
- sharing, creating and disseminating knowledge/content
- supporting and enabling (virtual) community building processes

Some (partial) implementations:
metaproject of an integrated material/immaterial environment

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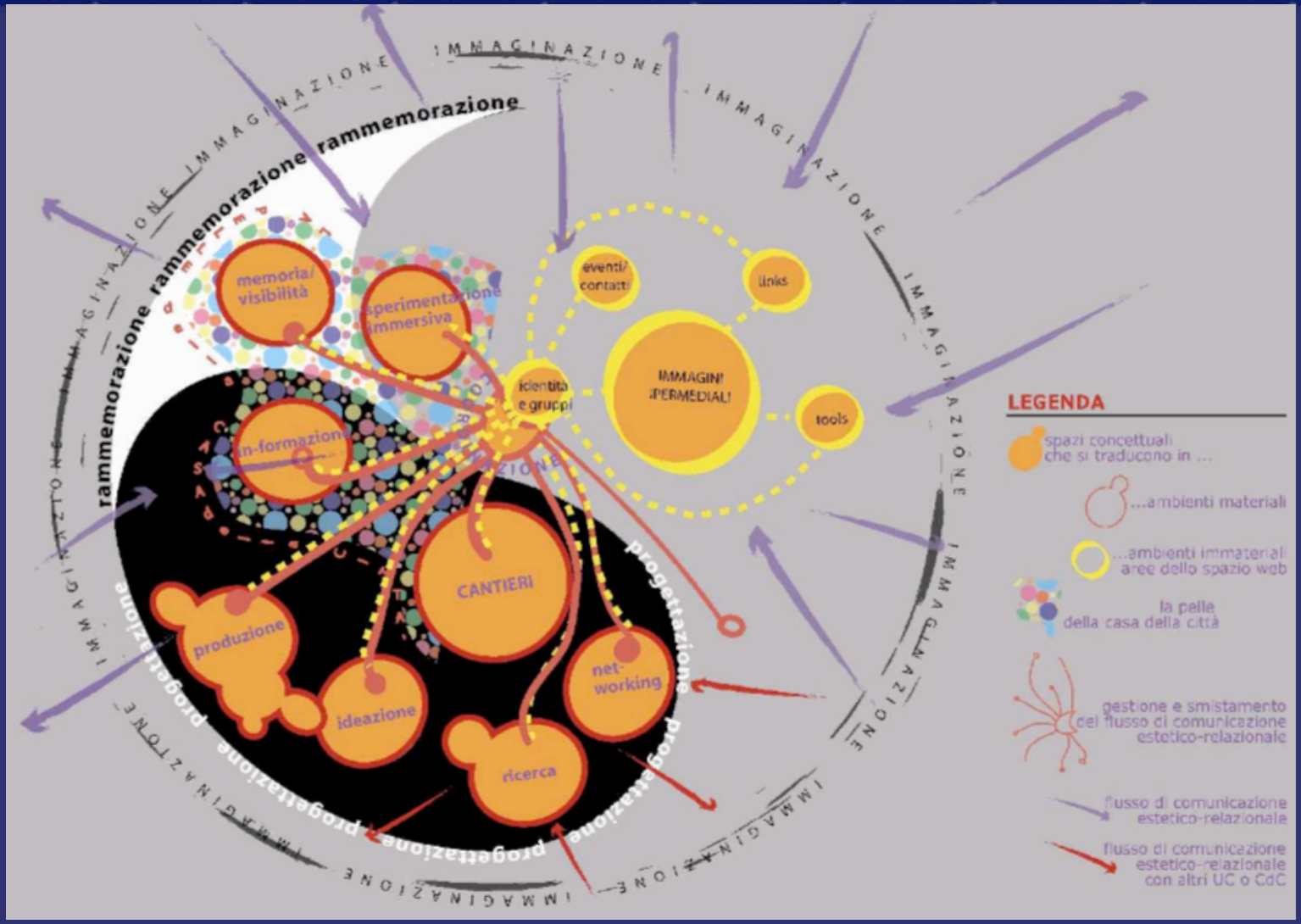
3. Some (partial) implementations



De Bonis L., Uttaro A.M., Metaproject of an Urban Center for Cisterna di Latina, LT, Italy

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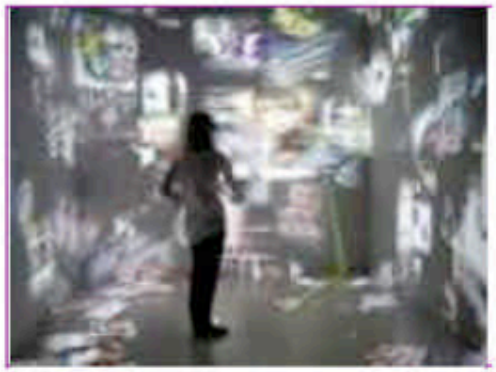


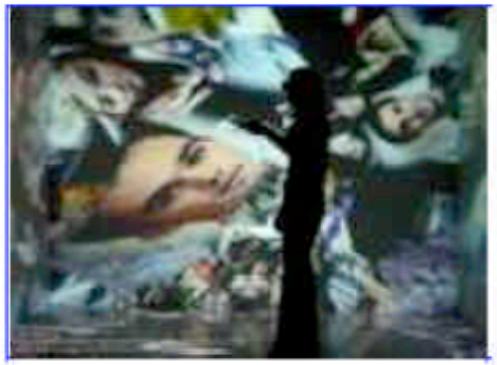


C. Sommerer, L. Mignonneau, R. Lopez-Gulliver, Living web

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3. Some (partial) implementations

Lopez-Gulliver et al., Senseweb

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Works in progress: a new concept...

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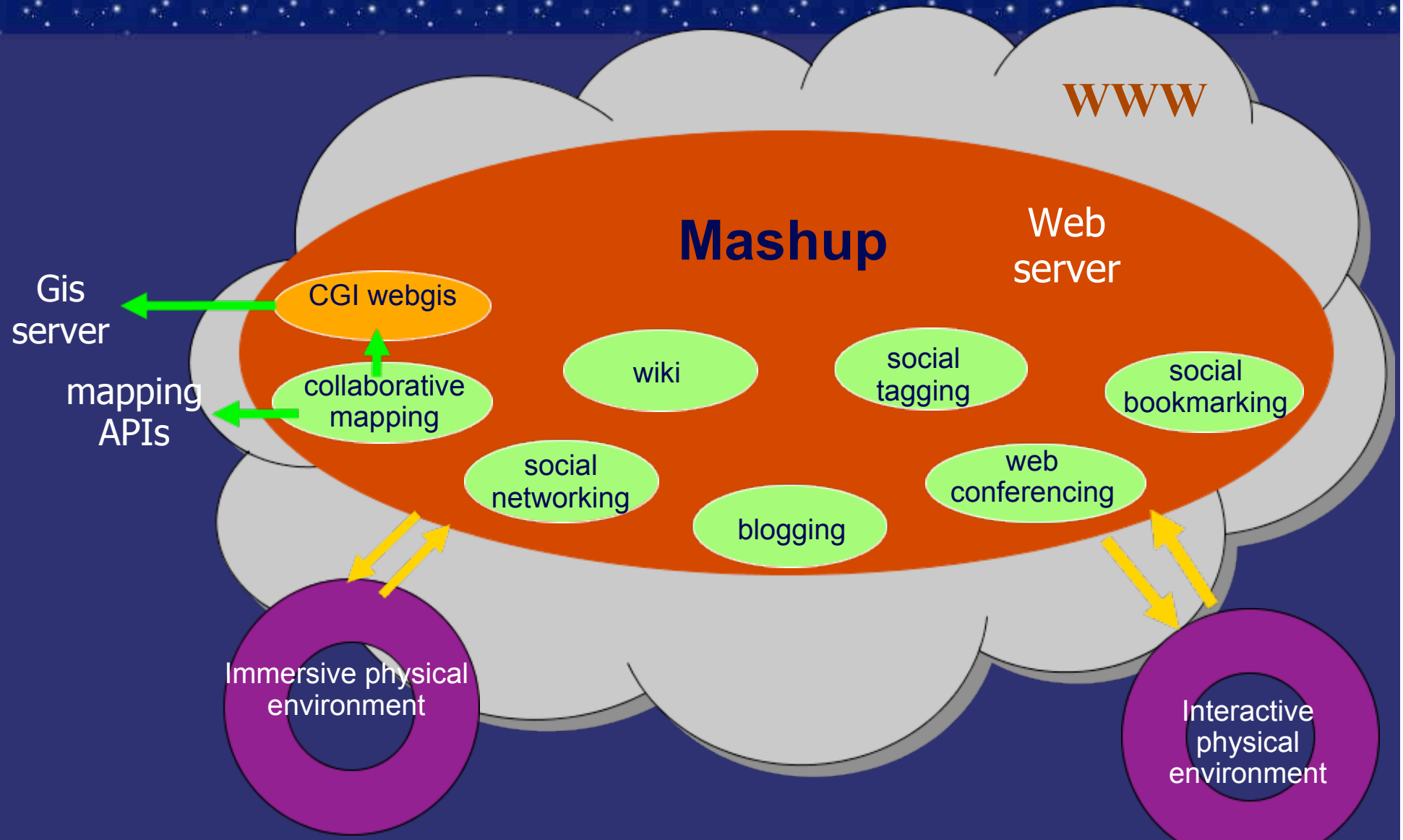

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The end

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