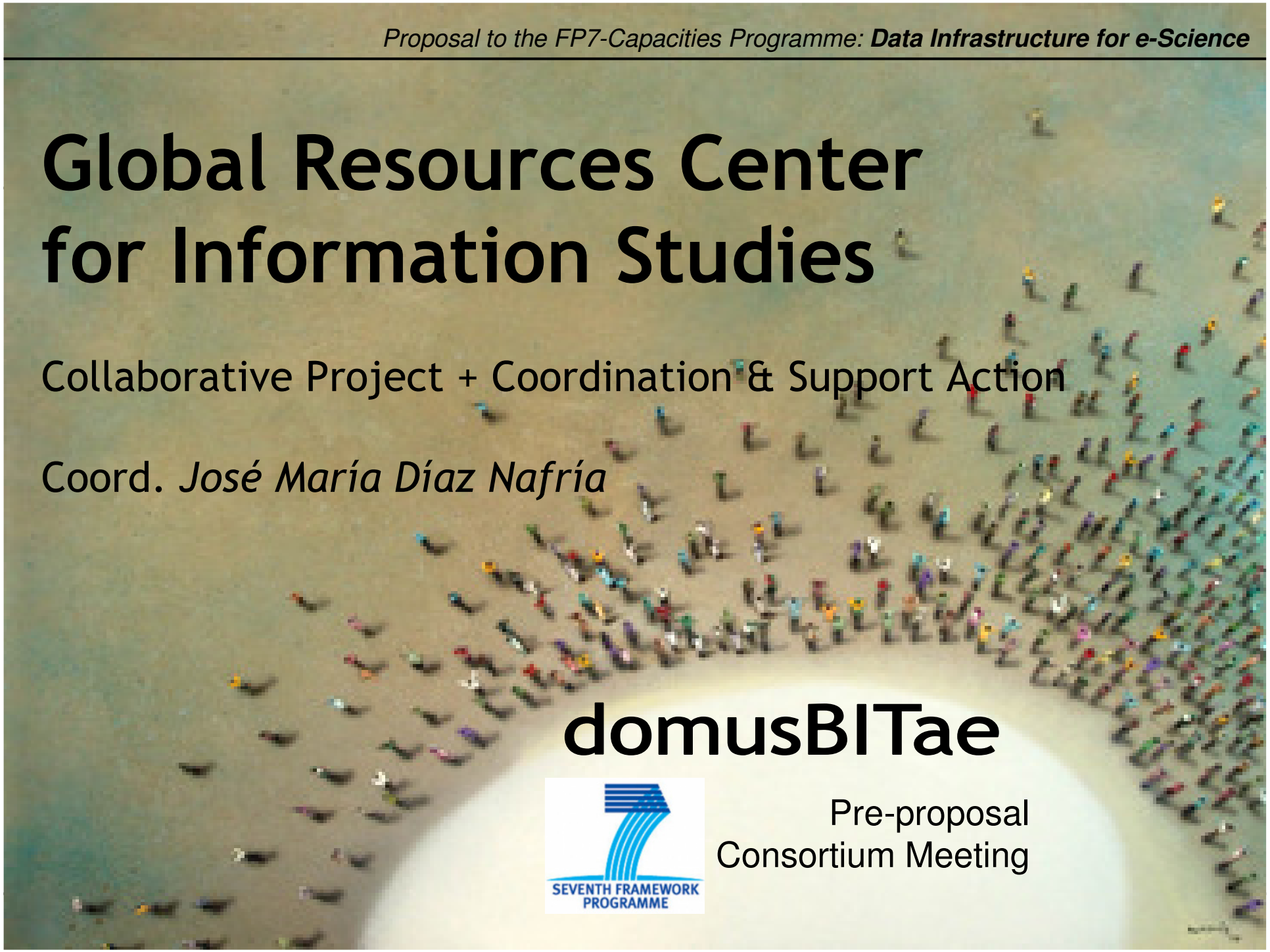
Global Resources Center for Information Studies

Collaborative Project + Coordination & Support Action

Coord. *José María Díaz Nafría*



domusBITae

SEVENTH FRAMEWORK PROGRAMME

Pre-proposal
Consortium Meeting

Summary

1. Convincing case (overview of the innitiative)
   - Scientific soundness
   - Historical of the initiative
2. domusBITae project
   - Architecture (modules)
   - Development strategy
   - Support Programme
   - Consortium (teams) & other supports
3. Task distribution and agreement

1.1 The problem on information understanding

- For facing the real challenges of the Information Society we need a **general understanding of Information**
- There is **work division** in Science and Technology based on: (1) assumption of analyticity of reality –separability, (2) increase in observation means, (3) complexity of systems, (4) complexity of theories.
- The problems of **SOCIAL LIFE** are not analytical, they need an overarching approach (¬1): therefore, if the main problem of the Information Society is how to handle/manage/produce/use Information we need a general approach to information.
- The traditional **organization of Academia** hinders a general approach. There are relevant approach in formal, natural, social sciences and humanities.

1.1 Global Landscape in Information specialists

No. of communities of Information Studies

a) Geographical divide

Country	N	Country	N	Country	N
Argentina	1	France	3	Romania	1
Australia	7	Georgia	1	Singapore	1
Austria	10	Germany	25	Slovakia	1
Belarus	1	Greece	1	Slovenia	3
Belgium	6	Hungary	2	Spain	2
Brazil	1	Ireland	3	Sweden	8
Bulgaria	2	Israel	1	Switzerland	12
Canada	8	Italy	4	Taiwan	1
Chile	1	Japan	6	Thailand	1
Croatia	1	Lithuania	1	United Kingdom	43
Czech Republic	3	Netherlands	4	U.S.A.	106
Denmak	6	New Zealand	1	Venezuela	1
Estonia	1	Norway	1	No located	27
Finland	4	Portugal	1	**Total**	316

b) Speciality divide

Type of studies	N
Artificial Intelligence	49
Cognitive Science	38
Communication Science and Media Studies	27
Computer Science	51
Cybernetics	26
Information Science	36
Information Society Research	64
Internet Research	15
Knowledge Studies	18
Library Science	16
Philosophy of Information and Infomation Ethics	20
Research on ICTs	12
Science of Complexity	22
Semiotics	12
Systems Theory	27

1.2 Strives for an overarching understanding of Information

FIS Foundations of Information Science

(Madrid 1994, Viena 1996, Paris 2005)

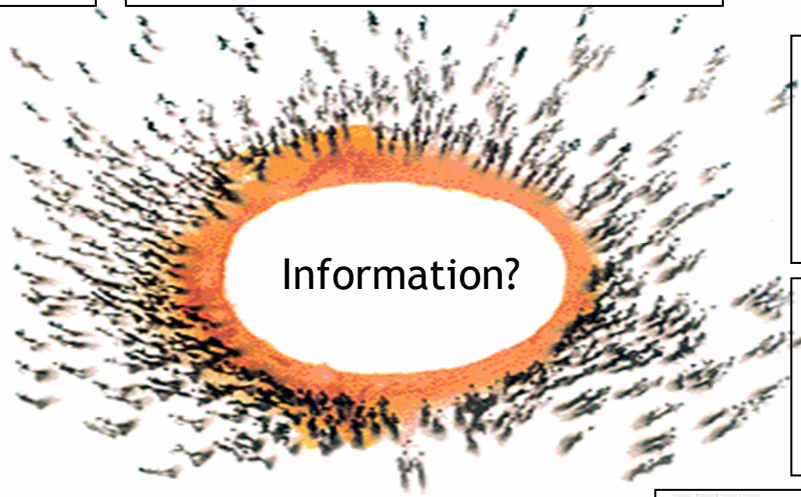
1994, Madrid

Science of Information Institute

2006, Washington / NSF

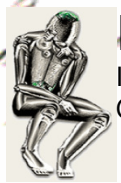
BIT Bruni

2008, León



INTERNATIONAL SOCIETY for BIOSEMIOTIC STUDIES

2005, Dinamarca



IACAP
International Association for Computing and Philosophy

2004, EE.UU.

The ICTs and Society Network

2008, Salzburg

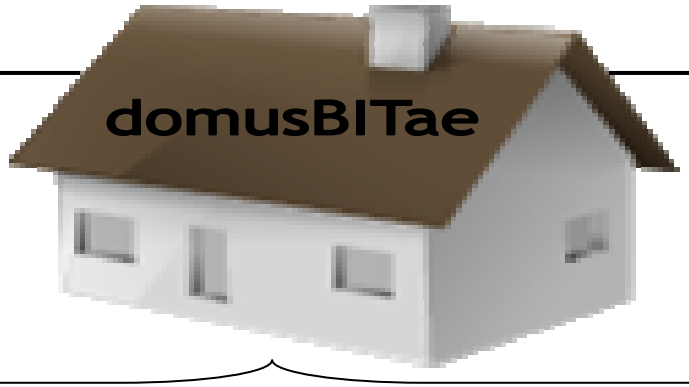
UTI. Unified Theory of Information Research Group.

2003, Viena

International Center for Information Ethics

1999, Germany

1.2. Coming under a common roof



TripleC 2003

Journal for a *Global Sustainable Information Society*

FIS Scientific Forum 1994

SCII Institute USA 2006

BITrum Project, Grupo 2008

National Research Programms

UTI Group 2003

ICT&S 2008

IACAP 2004

Chinese groups 2010

ICIE 1999

CIPR 1998

Publication

Scientific forum

European Network

International virtual community

2. **domusBITae**: enabling Self-organization

- A common path convening all relevant parts is not affordable due to: (i) structural limitations of academia, (ii) scientific domain divide, (iii) interest divide.
- Lets provide technical bridges for the research communities to enable a self-organization of a general understanding of information.
- European Program (EC) in e-Infrastructures, aimed at finding new paths in scientific research through ICTs (driven by the e-Infrastructures Reflection Group, eIRG).

2.1 e-Infrastructure objectives

It pursues bridging horizontally the whole community of information studies in order to:

(a) share resources and results

(b) improve communication

(c) foster discussion, scientific knowledge & innovation

(d) disseminate results and

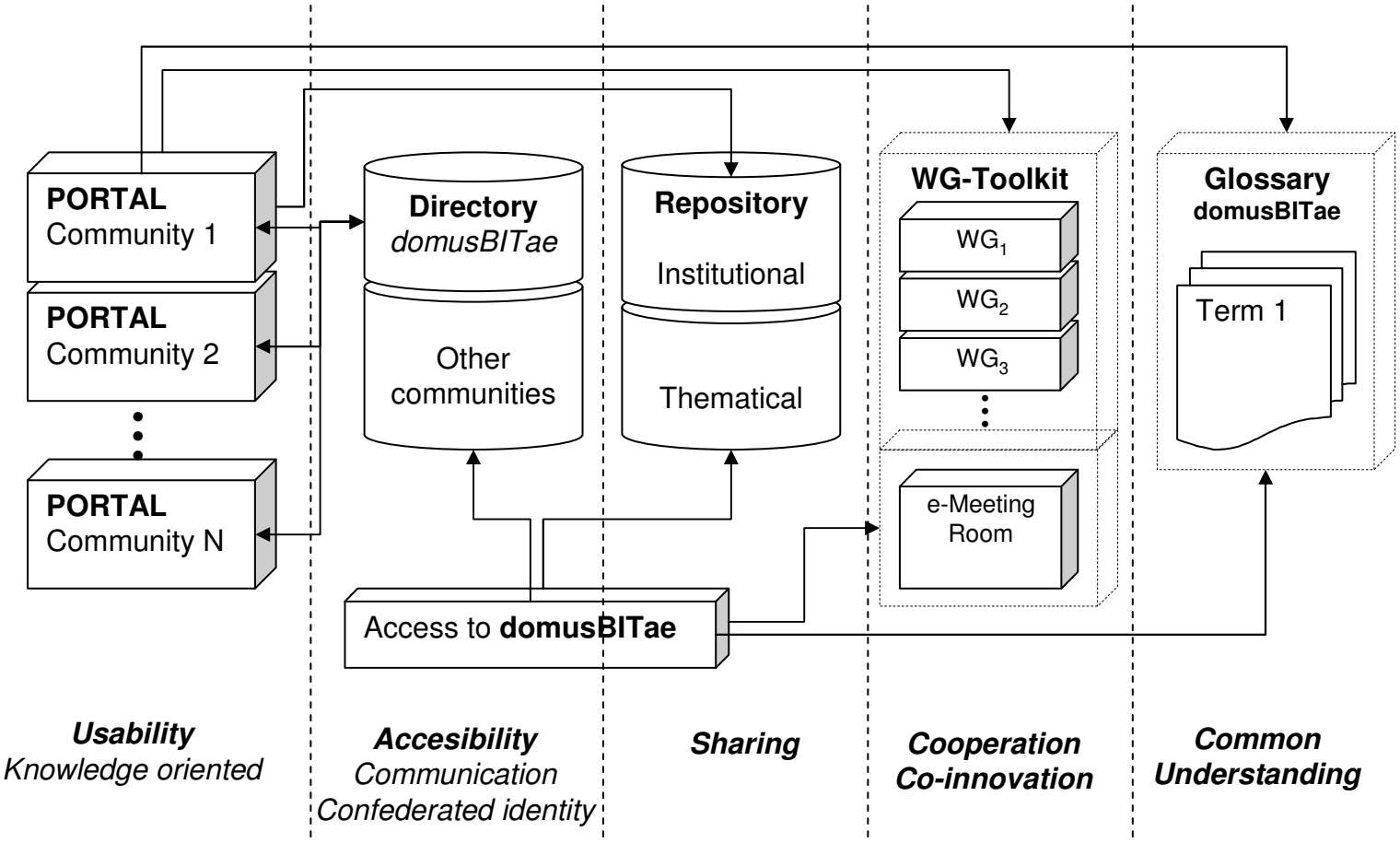
(e) promote cooperative research and co-design

(f) provide cross-disciplinary educational resources

2.1 Resources of the e-Infrastructure

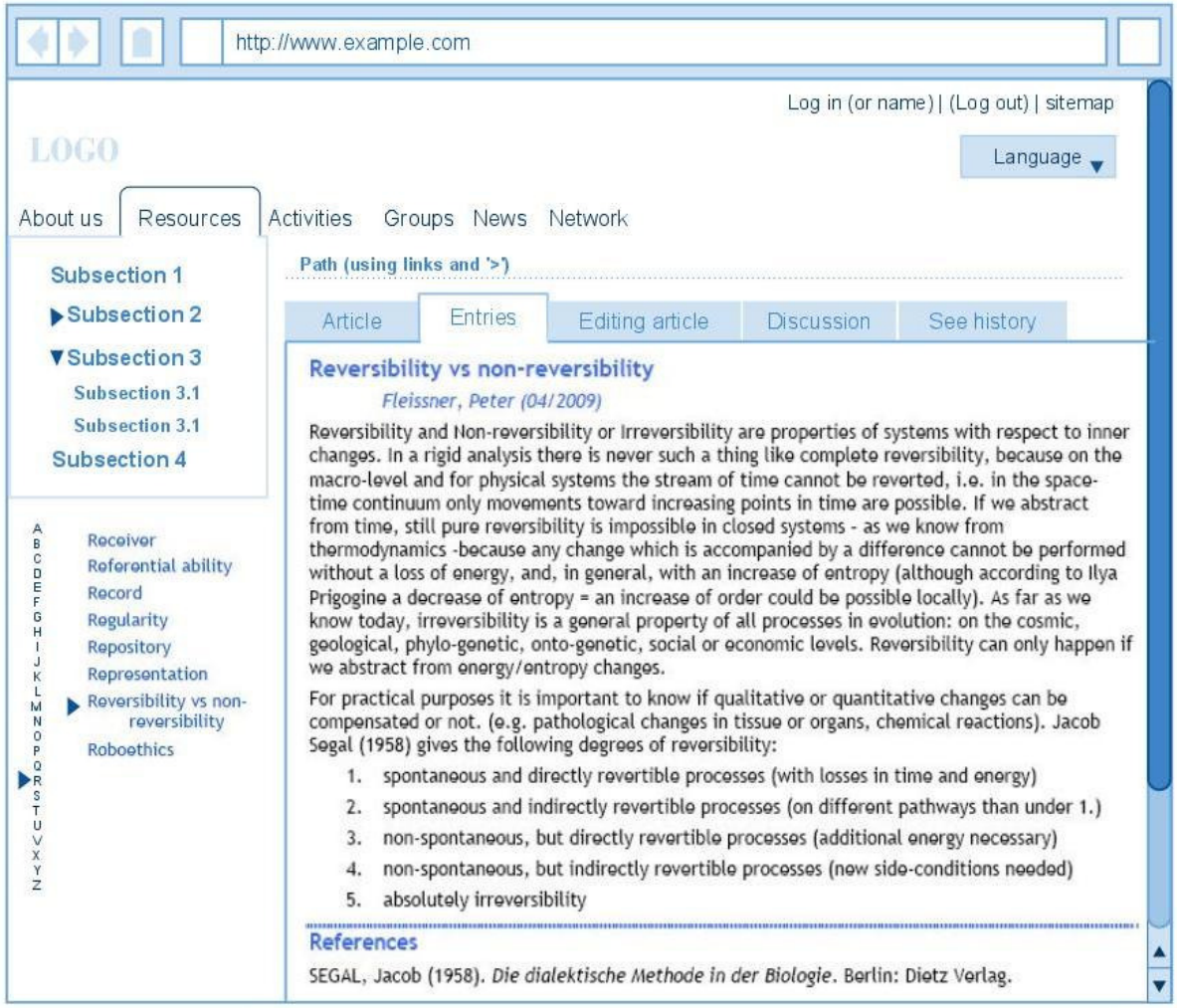
1. A ***knowledge oriented content manager*** adaptable for any community of information studies, and enabling direct access to both resources of the virtual community and other groups;
2. A ***directory of communities*** which will serve as a bridge between communities;
3. An *institutional and thematic* ***repository*** for Information Studies;
4. A ***toolkit for working groups*** to facilitate collaborative research (including e-Meeting Room);
5. A ***shared glossary*** for conceptual clarification, theory disambiguation, and a multi-faceted approach to informational problems.

2.1 domusBITae Modular Architecture



2.1 Inter-community Glossary: towards a mutual understanding

- Disambiguation
- Multiperspective account on problems
- Adress: concepts, metaphores, theories, problems
- Scientific peer-review of contributions
- Open authorship in articles
- Open discussion



2.2 domusBITae strategy

1. Gathering an incipient Consortium [BITrum, SCII (USA), UTI (AT), FIS, UB (SP), UC3M (SP), University Aegean (GR), Copenhagen Business School (DK)] + Scientific Committee
2. Developing of Glossarium BITri as demonstration and core of intercommunity- glossary
3. Search for National Support (FP7 preparation, further steps)
4. Strengthening of Consortium by presentation in international meetings (ICT&S, FIS2010-China, e-IRG, Ibersid, SEFA)
5. Preparation of FP7 Proposal (Capacities/Data Infrastructures for e-science)
6. Development at European level
7. Global deployment of the infrastructure

Here we are

2.3 Support Programme

- INFRA-2011-1.2.2: **Data infrastructures for e-Science**
- 2/4 identified **priorities**:
  - "Scientific community-driven policy development and service deployment for data generation, provenance, quality assessment, certification, curation, annotation, navigation and management so as to promote the sharing of data and the development of trust. Key issues include standardisation and the harmonisation of metadata, semantics and ontologies, in order to ensure interoperability within and across e-Infrastructures." : for broad scientific communities
  - "Development and deployment of tools and techniques for the provision of advanced data services notably for data discovery, mining, visualisation and simulation."
- **Impacts**: interoperation, bridging across disciplines, cross-fertilization towards innovation, open and participatory data intensive science.

2.3 Support programme schemme

- Collaborative Project + Coordination & Support Action: {Networking, Service, Joint research} activities
- 100% Support and Networking, 75% RTD (public bodies and higher education), 60% for ind.costs
- Pre-financing + final payment at the end of each reporting period (10%), completion (5%)
- 2-4 Years, ~1.5 M €
- Deadline: NOV.23

2.4 domusBITae Consortium

- University of León (rel. BITrum) (ULE) Spain
  - Coordination (José María & Paco)
  - Repositories
- Unified Theory of Information (UTI) Austria
- Science of Information Institute (SCII) USA
- University of Barcelona (UB) Spain
- INTECO (INT) Spain
- Copenhagen Business School (CBS) Denmark
- University of Aegean (UAE) Greece
- University Carlos III (UC3) Spain
- Aalborg University (AU) Denmark
- Munich University of Applied Sciences (HM) Germany
- Funiber (FUN) Spain, Latin America

2.4 Other supports

- Supercomputing center of Castilla y León
- BITrum (elucidation of the information concept)
- ICIE (IRIE journal on information ethics)
- Bertalanffy Center for the Study of System Science
- Science Advisory Committee
  - M.Burgin
  - G.Dodig-Crnkovic
  - J.Mingers
  - R.Capurro
  - L. Karvalics?
- Potential supports: Chinese Academy of Social Sciences, SISI

3.1 Task Distribution

A) Concerning already assumed involvements in **DEVELOPING** specific modules:

1. Site architecture: UB ; ULE
2. Directory: SCI ; UTI
3. Repository: ULE ; UTI ; SZU
4. WG tools: HM, FUN (virtual meeting room);
5. Communitary glossary: ULE ; UC3 ; SZU
6. Access system (to domusBITae community): INT, UAE

B) **CROSS-MODULES** (design councils):

1. Security and accessibility (INT),
2. Usability (UB),

(3. Perhaps a "communication tools and policy" driven by CBS)

(4. Perhaps a "system integration" board driven by UAE)

C) Regarding **CONTENT**, all participants contribute:

1. Opening a portal using (A1);
2. Providing information on communities of information studies in (A2);
3. Providing documents to (A3);
4. Opening WG and using meeting-room (A4) for consortium gatherings
5. Providing entries into domusBITae glossarium (A5).

3.2 Proposal tasks

- Addressing eligibility priorities
- Showing pre-solutions
- Detailing tasks: purpose, means, deliverables
- Estimating working needs (time and costs) & other resources
- Fulfil participant pages annex A

3.2 Proposal tasks

Section A2/ Participants	
Participant number	The number allocated by the consortium to the participant for this proposal. The co-ordinator of a proposal is always number one.
Participant Identify Code	The Participant Identification Code (PIC) enables organisations to take advantage of the Participant Portal. Organisations who have received a PIC from the Commission are encouraged to use it when submitting proposals. By entering a PIC, parts of section A2 will be filled in automatically. An online tool to search for existing PICs and the related organisations is available at http://ec.europa.eu/research/participants/portal. Organisations not yet having a PIC are strongly encouraged to self-register (at http://ec.europa.eu/research/participants/url) before submitting the proposal and insert in section A2 the temporary PIC received at the end of the self-registration.
Legal name	**For Public Law Body**, it is the name under which your organisation is registered in the Resolution text, Law, Decree/Decision establishing the Public Entity, or in any other document established at the constitution of the Public Law Body; **For Private Law Body**, it is the name under which your organisation is registered in the national Official Journal (or equivalent) or in the national company register. **For a natural person**, it is for e.g. Mr Adam JOHNSON, Mrs Anna KUZARA, and Ms Alicia DUPONT.
Organisation Short Name	Choose an abbreviation of your Organisation Legal Name, only for use in this proposal and in all relating documents. This short name should not be more than 20 characters exclusive of special characters (./;...), for e.g. CNRS and not C.N.R.S. It should be preferably the one as commonly used, for e.g. IBM and not Int.Bus.Mac.
Legal address	For Public and Private Law Bodies, it is the address of the entity's Head Office. For Natural persons it is the Official Address. If your address is specified by an indicator of location other than a street name and number, please insert this instead under the "street name" field and "N/A" under the "number" field.
Non-profit organisation	Non-profit organisation is a legal entity qualified as such when it is recognised by national or, international law.
Public body	Public body means any legal entity established as such by national law, and international organisations.
Research organisation	Research organisation means a legal entity established as a non-profit organisation which carries out research or technological development as one of its main objectives.
NACE code	NACE means "Nomenclature des Activités économiques dans la Communauté Européenne". Please select one activity from the list that best describes your professional and economic ventures. If you are involved in more than one economic activity, please select the one activity that is most relevant in the context of your contribution to the proposed project. For more information on the methodology, structure and full content of NACE (rev. 1.1) classification please consult EUROSTAT at: http://ec.europa.eu/eurostat/ramon/nomenclatures/index.cfm?TargetUrl=LST_CLS_DLD&StrNom=NACE_1_1&StrLanguageCode=EN&StrLayoutCode=HIERARCHIC .

Small and Medium-Sized Enterprises (SMEs)	SMEs are micro, small and medium-sized enterprises within the meaning of Recommendation 2003/361/EC in the version of 6 May 2003. The full definition and a guidance booklet can be found at http://ec.europa.eu/enterprise/enterprise_policy/sme_definition/index_en.htm To find out if your organisation corresponds to the definition of an SME you can use the on-line tool at http://ec.europa.eu/research/sme-techweb/index_en.cfm
Dependencies with (an) other participant(s)	Two participants (legal entities) are dependent on each other where there is a controlling relationship between them: – A legal entity is under the same direct or indirect control as another legal entity (3G); or – A legal entity directly or indirectly controls another legal entity (CLB); or – A legal entity is directly or indirectly controlled by another legal entity (CLB). *Control:* Legal entity A controls legal entity B if: – A, directly or indirectly, holds more than 50% of the nominal value of the issued share capital or a majority of the voting rights of the shareholders or associates of B, or – A, directly or indirectly, holds in fact or in law the decision-making powers in B. The following relationships between legal entities shall not in themselves be deemed to constitute controlling relationships: (a) the same public investment corporation, institutional investor or venture-capital company has a direct or indirect holding of more than 50 % of the nominal value of the issued share capital or a majority of voting rights of the shareholders or associates; (b) the legal entities concerned are owned or supervised by the same public body.
Character of dependence	According to the explanation above mentioned, please insert the appropriate abbreviation according to the list below to characterise the relation between your organisation and the other participant(s) you are related with: • 3G: Same group: if your organisation and the other participant are controlled by the same third party; • CLS: Controls: if your organisation controls the other participant; • CLB: Controlled by: if your organisation is controlled by the other participant.
Contact point	It is the main scientist or team leader in charge of the proposal for the participant. For participant number 1 (the coordinator), this will be the person the Commission will contact concerning this proposal (e.g. for additional information, invitation to hearings, sending of evaluation results, convocation to negotiations).
Title	Please choose one of the following: Prof., Dr., Mr., Mrs, Ms.
Sex	This information is required for statistical and mailing purposes. Indicate F or M as appropriate.
Phone and fax numbers	Please insert the full numbers including country and city/area code. Example +32-2-2991111.

3.3 Consortium agreement

Intitutional LOGO (address)

I hereby confirm our affiliation to the following domusBITae consortium agreement:

We hereby agree to collaborate in the domusBITae initiative aimed at developing an electronic-infrastructure for information studies driven to further an interdisciplinary approach to information for which scientific, social and technological benefits are expected. We confirm our commitment to support and participate in the project for the development of such electronic-Infrastructure according to the work plan proposed to the support programme under its regulatory conditions.

THIS AGREEMENT is made the 3rd day of November 2010 at an electronic meeting convened by the University of León BETWEEN

University of León, Spain and
Unified Theory of Information Research Group, Austria, and
Science of Information Institute, USA, and
University of Barcelona, Spain, and
Instituto Nacional de Tecnologías de la Comunicación, Spain, and
Copenhagen Business School, Denmark, and
University of Aegean, Greece, and
University Carlos III of Madrid, Spain, and
Aalborg University, Denmark, and
Munich University of Applied Sciences, Germany, and
Funiber, Spain

Signed (title, position, stamp)

3.4 Proposal elaboration

Deadlines:

- Nov. 5: Tasks distribution
- Nov. 10: Participant contributions
- Nov. 12: Draft v.2
- Nov. 16: Amendments / ESS party data
- Nov. 18: Proposal Meeting (final agreement)
- Nov. 19: Submission of CA


Thank you for
your commitment
domusBITae
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Information Studies