



Introduction

According to the schedule, every other newsletter is not a themed newsletter covering a particular technical or business topic, but is rather providing a report on what the project achieved in the previous 6 month period - taking a bit more informal and light approach than the activity and progress reports also due at around the same time. This newsletter reports on the project's progress during its first fifth of duration. Starting on September 1st 2004, the project held three major meetings and published several deliverables in time.

Žiga Turk, coordinator

The End of the Beginning

The project literally started on started Sept 1st 2004 holding its kick off on that very day. The work between September 2004 and February 2005 was focusing on:

Setting up of the infrastructure and environment. This includes the legal infrastructure (documented the Consortium agreement, signed by all partners), the detailed definitions of roles and responsibilities and workflows (documented in the Project Manual), the technical infrastructure (document management system, real time collaboration systems, mailing lists) and the various logos and templates (corporate image of the project is reflected in this document and the website).

State of the art and market watch studies. These are documented in the deliverable D11.1 State of the art and market watch report. This report provides an overview of the state of the art in topics on which the InteliGrid project is building on including web, grids and semantic grids in particular, virtual organisations and interoperability. The market watch is exploring the areas of engineering collaboration, engineering data management and

grid based engineering applications. The three appendices provide in depth information on generic ITC architectures, engineering collaboration in AEC and on the product model data standards.

Initial drafting of the **system architecture** documented in the D13.1 Semantic Grid Architecture. InteliGrid chose not to develop architecture from scratch but to build on established architectures or architectural principles which include VORA (Virtual Organization Reference Architecture), MDA (Model Driven Architecture), SOA (Service Oriented Architecture) and OGSA (Open Grid Services Architecture). Also considered are technology frameworks and toolkits such as WS-I+, WSRF and GAT. A service oriented architecture (SOA) is proposed, developed using the MDA approach. The architecture distinguishes between three layers - the conceptual layer, the services layer and the primitive resource layer. The first deals

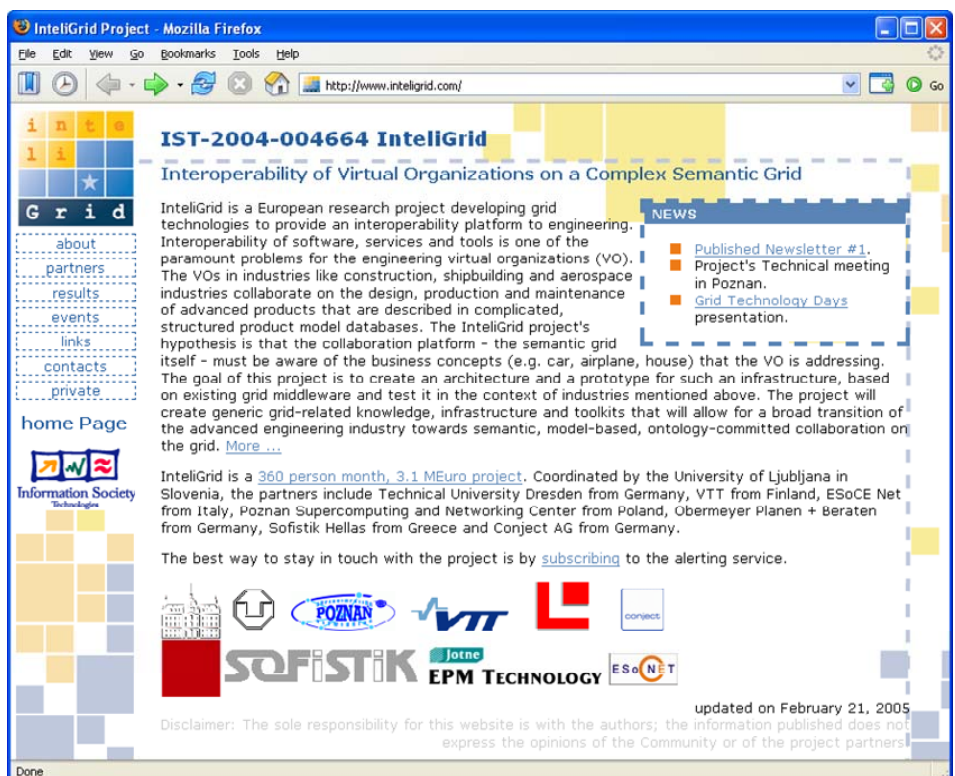
with concepts, the second with executable software and the third with software and hardware which is at a level of detail not of creative interest to this project.

Requirements analysis. The requirements are being gathered particularly by the industrial partners. They will be reported in the D12 Requirements analysis which is due May 31st.

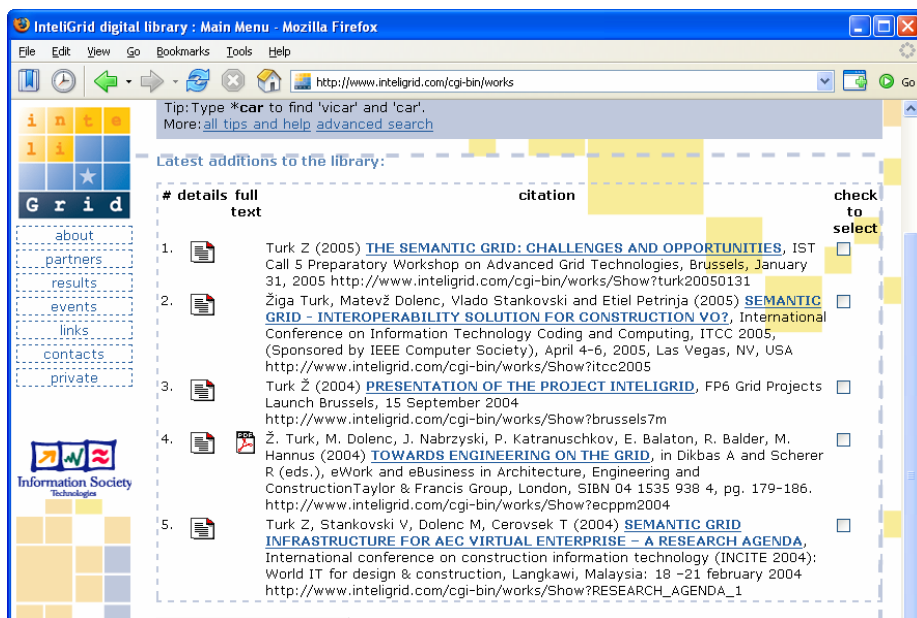
Technical infrastructure setup. The Grid testbed using the Globus/Gat has been set up and is now running with most partners. Initial prototyping has started. Figure below shows a grid portal through with the InteliGrid platform could become available.

In addition to these efforts, the work that will be performed rather regularly throughout the project also started including:

Dissemination activities: corporate image of the project has been defined, the project website at www.inteligrd.com, project digital li-



InteliGrid's Website.



InteliGrid' digital library. One of the information sharing services on the InteliGrid portal. Others include collaborative bookmarks and a discussion forum.

library with full text papers and presentations from the project; several papers have been written and presented at international conferences, newsletter has been published. This newsletter demonstrates this corporate image.

Collaboration and concertation activities: the project is taking part in the concertation program with other IST grid projects. Technical concertation is particularly intensive with respect to the semantic grid efforts that the project coordinator is vice-chairing. A collaborative bookmark facility has been set up to facilitate the exchange of relevant resources on the Web.

Evaluation and impacts assessment: work started particularly with respect to defining the methods and criteria.

Resources

During the last half year the consortium held two plenary meetings with all partners present, one technical meeting. The partners used several other opportunities to meet as well. In terms of resources used, the project as a whole is used 17% of the person-months in the first 20% of the duration of the project. It has been expected that less resources will be spend in the early stages of the project.

In the grid ...

The project took part in the following events:

- European Conference on Product and Process Modelling, Sept. 2004, Istanbul, Turkey. This is the key event

Date	Days	Place	Title
1-sep-2004	3	Munich, Germany	Kick off, plenary meeting, General Assembly meeting
8-sep-2004	3	Istanbul, Turkey	ECPPM Conference, InteliGrid WP1&WP3
15-sep-2004	3	Brussels, Belgium	Grid Technology Days & informal InteliGrid meetings
9-dec-2004	2	Poznan, Poland	Technical Board meeting
10-jan-2005	2	Munich, Germany	plenary meeting, general assembly meeting
16-mar-2005	1	Brussels, Belgium	6 months progress meeting

for the European AEC Interoperability community. A paper on InteliGrid titled "Towards Engineering on the Grid" was presented.

- Grid Technology Days, Brussels, Sept. 15-17, 2004. The InteliGrid project was presented at the plenary kick-off session. InteliGrid also organized the Semantic Grid breakout session.

- CGW, Cracow Grid Workshop, Dec 12-15, 2004, www.cyf-kr.edu.pl/cgw04/

- IST Call 5 Preparatory Workshop on Advanced Grid Technologies, Brussels, January 31, 2005, www.cordis.lu/ist/grids/call5_prep_ws.htm. Prof Turk gave a talk titled The Semantic Grid: Challenges and Opportunities

- OntoGrid Ontology Tutorials 2005, Manchester, February 1-2, 2005, www.co-ode.org/events/tutorials/ontogrid01-2005/

The project held a number of meetings which are summarized in the table at the bottom of this page.

Upcoming events

- 11th International Conference on Concurrent Enterprising, ICE 2005, Munich, Germany, June 21st 2005. InteliGrid is organizing a special workshop Virtual Enterprising on the Grid.
- Semantic Grid: The Convergence of Technologies, Schloss Dagstuhl, Wadern, Germany, July 3-8, 2005.
- CIB W78 Conference on Information Technology in Construction, Dresden, Germany, July 20-22, 2005. InteliGrid will organize a special panel on interoperability challenges in AEC/FM.

Key Project Figures

Partners:	9 from 7 countries
EU funding:	2.1 MEuro
Total funding:	3.1 MEuro.
Effort:	360 person months
Duration:	30 months
Start-end:	1.9.2004 - 28.2.2007

Disclaimer

The sole responsibility for this newsletter is with the authors; the information published does not express the opinions of the Community or of the project partners.