Industry Forum: DATAMAT Position

Federico Rossi – Grid Business Development Director

4th EGEE Conference – Pisa 25 October 2005

DATAMAT policy in regards to Grid

✓ Our traditional focus is on <u>innovation</u>, with a long record of international R&D projects followed by successful commercial exploitation. We perceived Grid as one of the most promising <u>novelties</u> for the ICT market, enabling distributed applications, and emerging scenarios such as e-collaboration.

✓ In 2000 we decided to participate in DataGrid, the first large Grid Project in Europe, to acquire the specific <u>knowledge of technology</u> and to understand its potential <u>business return</u> in terms of <u>application</u> and <u>services</u> deployment…

✓ … and in the following years to other European outstanding initiatives: CrossGrid, EGEE, NextGRID, Akogrimo, SpaceGrid, The Voice.

✓ At present, while continuing our commitment in the European R&D Project, we are also actively working in the Italian landscape:

- by supporting INFN-led initiative <u>c-OMEGA</u> (PPP for open middleware);
- by promoting new initiatives within <u>Finmeccanica</u> group (e.g. MIUR Prisma*grid with Ansaldo, ELSAG, Selex SI or ESA GDCD with Alcatel Alenia Space).

Grid applications development

✓ The initiatives we have undertaken are aimed at:

- Easing the <u>diffusion of a Grid culture</u>, mostly through a generalised <u>test-bed</u> policy aimed at demonstrating in concrete terms the advantages of its use, in strong synergy with research

- Grid-enabling classes of applications by <u>developing suitable tool-kits</u> and/or <u>porting existing problem solving environment</u> on Grid contexts

- Exploring new working environments (e.g. ambient intelligence, nomadic / mobile environment)

- <u>Promoting and supporting standardisation</u> activities, so that access to Grid services and resources does not depend on specific middleware implementation and/or specific infrastructure

DATAMAT target offer

- ✓ <u>Consultancy</u>
  - 'Additional' services such as Certification, training and promotional activities are the keys to introduce Grid based solutions into Customers' day-to-day business.

- ✓ <u>Application enabling</u>
  - Adaptation of existing Problem Support Environments to enable the use of Grid is based on a combined deep knowledge of customer processes and of the underlying technologies.

- ✓ <u>Application development</u>
  - The use of a new and powerful technology to solve new classes of problems requires capability of mastering business needs.

- ✓ <u>Integration</u>
  - Our long experience in integration is the enabler for a smooth combination of the different technological aspects in a transparent way for the end-user.

Consultancy – Application enabling – Application development – Integration
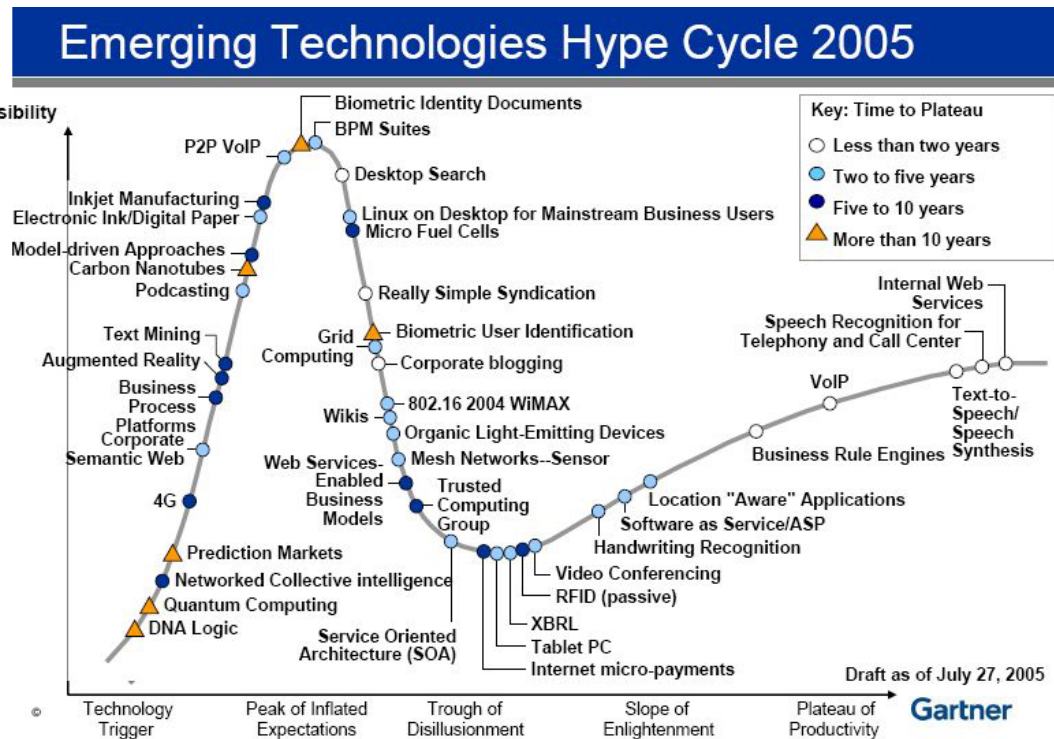
Our vision on the Grid's place and role

✓ <u>Technology status</u>

- The architectures, the available implementations, the relevant <u>standards</u> are not yet mature enough to have a kind of "<u>grid-out-of-the-box</u>" to be easily demonstrated to potential industrial customers and to easily achieve <u>interoperability</u>.

✓ <u>Market immaturity</u>

- Customer <u>reluctance</u> towards innovative concepts and little confidence in the technology as the solution to problems.

- Commercial <u>attitude</u> to promote 'results' much earlier than the actual availability and offer <u>fragmentation</u>.

Consultancy – Application enabling – Application development – Integration

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Questions?

federico.rossi@datamat.it   grid@datamat.it

+39.06.5027.4787