

eBusiness & eWork Conference

Prague, 16-18 October 2002

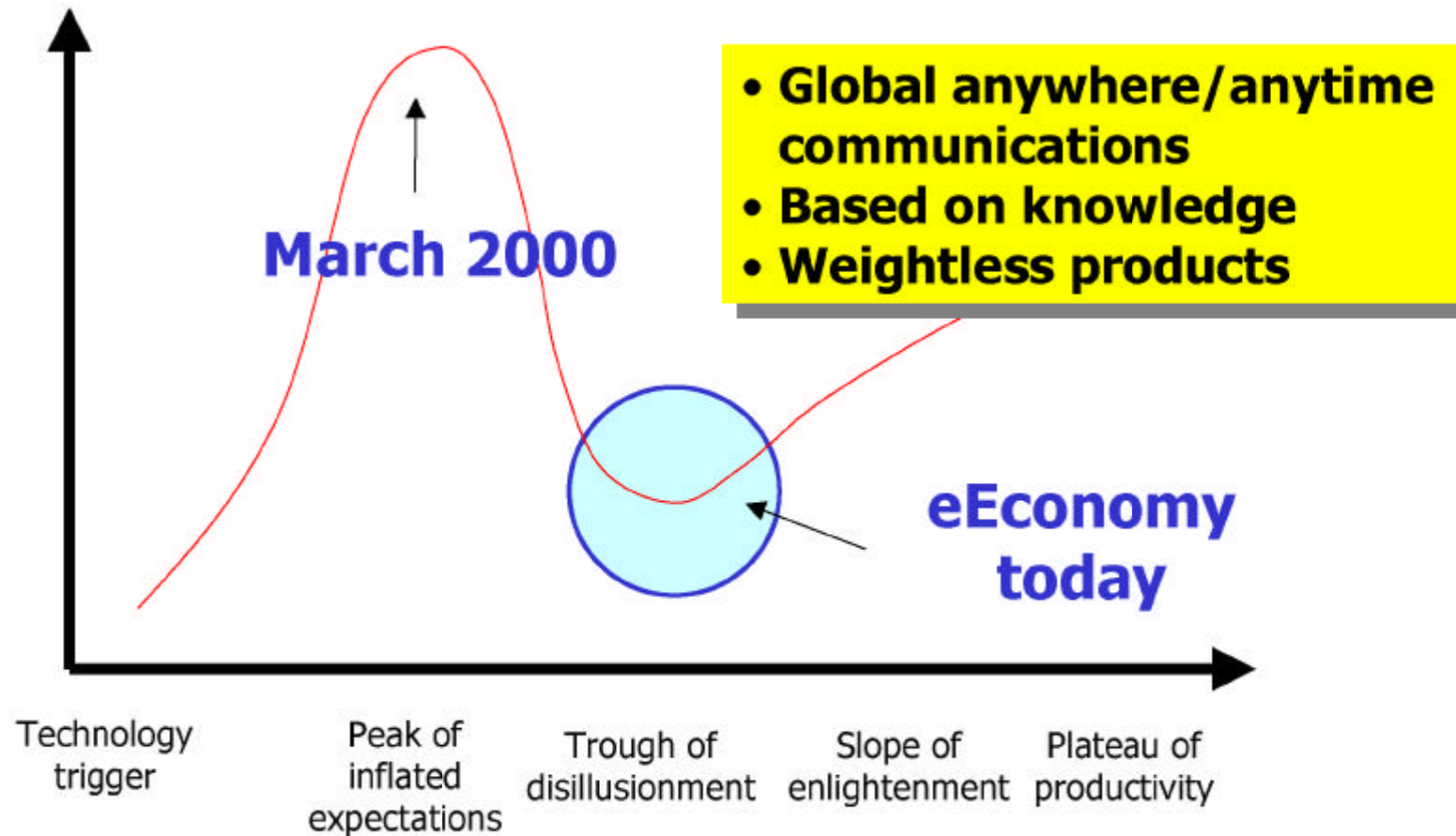
Work & Business in the eEconomy. Technology & Policy Issues

Dr Rosalie Zobel
Director, IST Key Action II

Presentation Outline

- **What happened to the eEconomy?**
- **IST Key Action II - What have we achieved?**
- **The future of Business & Work**
- **Towards FP6: the next steps**

What Happened to the eEconomy?



Adapted from Gartner Group

eEconomy Companies ... Alive ... and Well...



eBusiness is Business!

IST Key Action II

What have we achieved?



Achievements

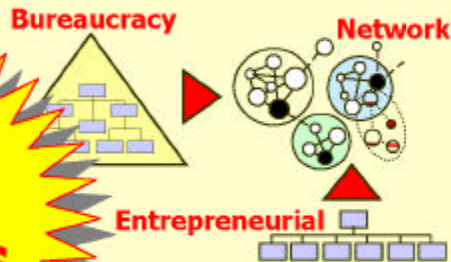
16 Project Clusters



Achievements

Business & Work

**300+
projects**



The Smart Organisation

- models & infrastructures
- virtual organisations
- corporate governance
- legal, contractual & social issues

Collaboration

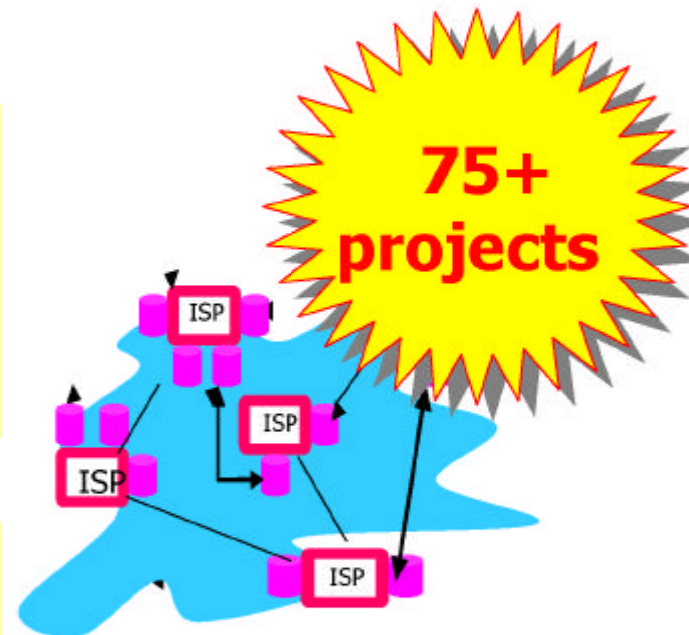
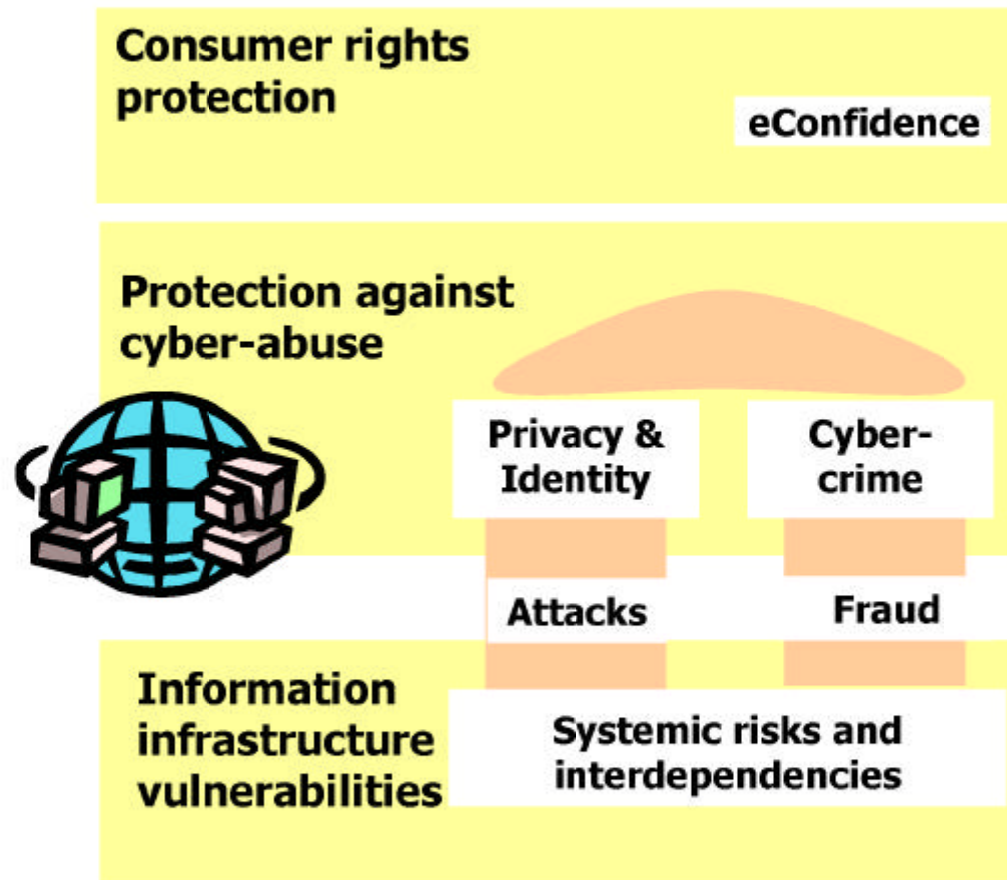
- from value chains to value nets
- business ecosystems & SMEs
- virtual product technologies
- eWork & workplace design

Knowledge Management

- complexity & change management
- empowerment, creativity, innovation
- competencies & knowledge trading

Achievements

Trust & Security



Achievements

Mobile Services



Achievements

Socio-economic Research

Understanding the eEconomy

scenarios
benchmarking indicators
intangible aspects
structural change
innovation

**50+
projects**

Support to Policies

ERA
enterprises & markets
regional & rural development
social
employment
enlargement
sustainability

Techno-legal & Regulatory Issues

legal aspects of virtual enterprises
contract law, ADR schemes
digital rights management
identity & IPR protection
consumer protection, ...

Achievements

Contribution to eEurope Goals

Smart Cards

- 60+ projects
- > 100 M€ funding
- Infrastructures, demonstrations, standardisation

Benchmarking

- socio-economic research
- statistical indicators (with Eurostat)

GoDigital

- 70+ take-up projects
- e-Business take-up for SMEs
- collaboration with DG ENTR
- <http://europa.eu.int/godigital>



Key Action II Project: ***YOUNGSTER***

An open active platform for innovative youth oriented mobile multimedia services (2000-02)

- **GPRS & UMTS based**
- **Personalised and context-aware services:**
Communities, messaging, calendar, reminders, buddy lists, locating people, news & music
- **Tested in 4-months field trial**
with youngsters in Grimstad/Norway (June-October 2002)
- **Business model scenarios**

Key Action II Project: **CTOSE**

Objectives

- Processes & standards for handling electronic evidence
- To reduce time to gathering electronic evidence for investigations
- To ensure running system during collection and analysis of electronic evidence
- Encourage forensic readiness and information in companies

Key results

- methodology for electronic evidence workflow
- handling electronic evidence from time of incident to final (court) presentation
- legal requirements for electronic evidence use
- XML formats
- procedures to collect, validate & store electronic evidence

**Cybertools for on-line
search for evidence**

www.ctose.org

Key Action II Project: ***MOTION***

Anytime, Anywhere Collaboration Services for Virtual Business Communities

- Knowledge sharing
- Community support
- Teamwork support

- peer-to-peer architecture
- multi-service platform
- ubiquitous access, mobile working

Extended enterprise show cases at

Key Action II Cluster Project: **EKMF**

To build a Knowledge Management community in Europe by bringing together a critical mass of experts

- **150 corporate members**
- **3000+ individual members**
 - *Contributing to int'l standards definition*
 - *Collaboration technologies showcase*
 - *Showing how Europe can lead in KM*

www.knowledgeboard.com

Harvard Business School,
22 Sep 2002

"We're impressed by
the number and
quality of contributions
found here..."

IMS Project: **GLOBEMEN**

Global engineering & manufacturing enterprise networks focusing on *inter-enterprise* integration and collaboration

EU & NORWAY & Switzerland

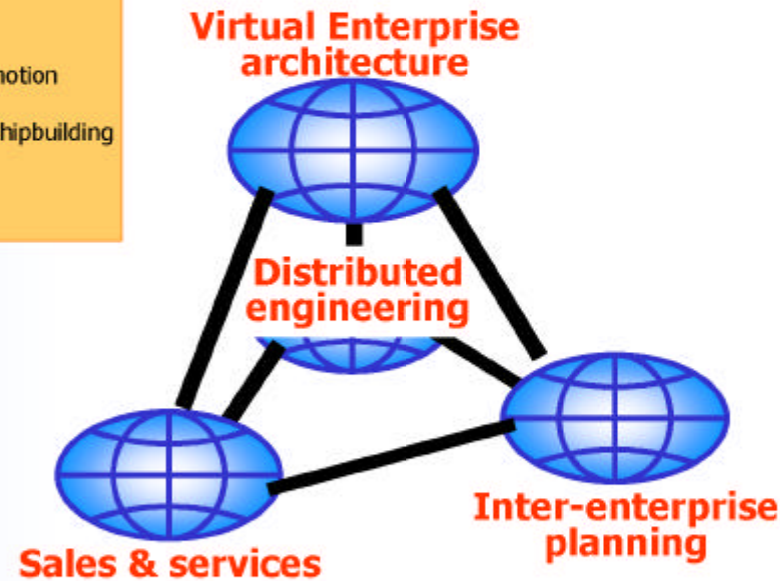
- YIT (FI) – Co-ordination
- Baan (NL)
- EPM Technology (NO)
- DTU (DK)
- Fortum (FI)
- Intracom (GR)
- VTT (FI)
- ETH Zürich (CH)
- Bühler (CH)

JAPAN

- Hosei University
- IBM Japan
- Japan Society for Promotion of Machine Industry
- Mitsui Engineering & Shipbuilding
- OMRON
- Toyo Engineering

AUSTRALIA

- CSIRO
- CRC-IMST
- Farley Cutting Machines
- Griffith Univ.
- Hawker de Havilland



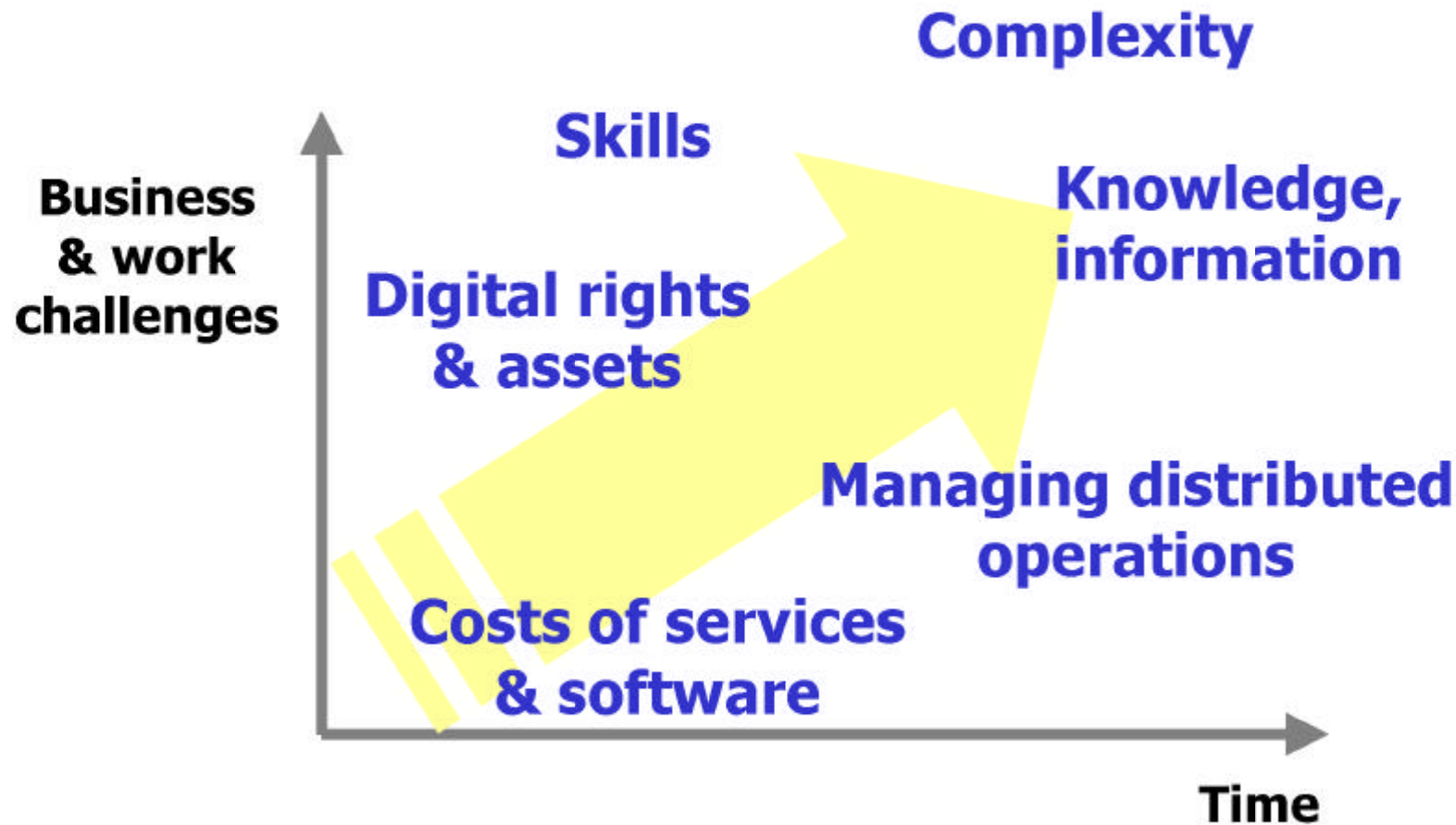
Key Action II Project Suite: ***FINREAD***

To specify a secure card reader for eBanking, eHealth, eGovernment & other applications

- **Users:** Banksys, Cartes Bancaires, Interpay, Informatikzentrum Sparkassen, Europay, Visa, GTA, Canal+ Technologie, France Telecom, SSB, SITA
- **Suppliers:** Ingenico, Orga, SAGEM, SCM Microsystems, Omnikey, Gemplus
- **Standardisation:** CWA-1474 endorsed by CEN/ISSS

The Future of Business & Work

Business Challenges



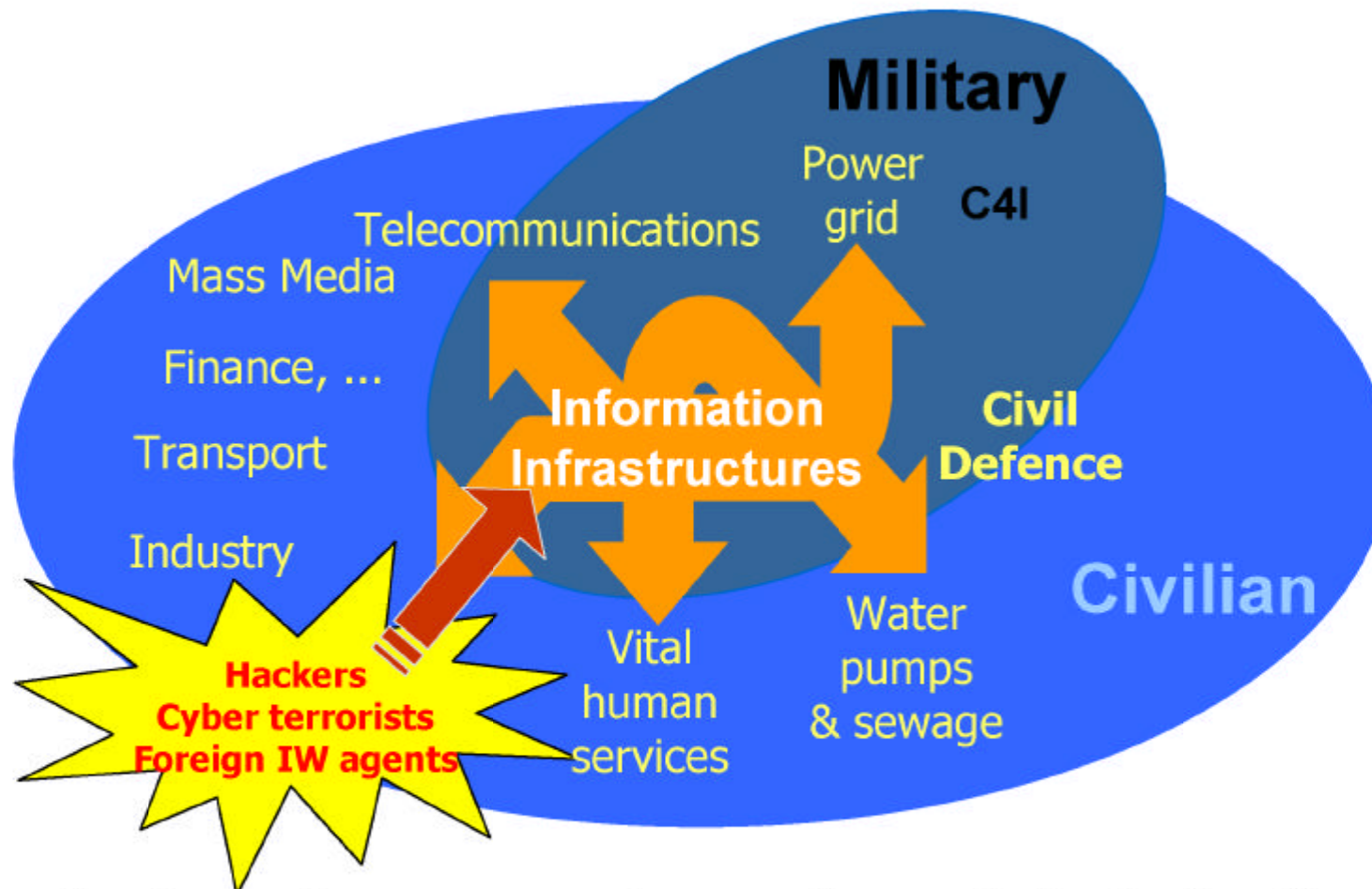
The Future of Business & Work

GRIDs: The Next Computing Paradigm?

Source: IBM

The Future of Business & Work

Critical Infrastructure Interdependencies



A global economic and societal challenge

Policy Context

ERA: European Research Area

FP6, Eureka, COST, national RTD programmes

... towards a
'single market
for research'

Enlargement

Candidate countries
were full partners in
FP5

Lisbon Strategy

"EU: Largest
knowledge-based
economy by 2010"

Other policies

Single market, single currency,
security of Europeans,
sustainable development, ...

Europe is ...

- **... well positioned**
 - to take advantage of future developments
 - in new emerging fields/markets (e.g. post PC paradigm)
- **... building on strengths**
 - in nanotechnologies, mobile and wireless, embedded software, consumer electronics, sustainable technologies ...
- **... determined**

Barcelona, June '02

To increase EU R&D spending to 3% of GDP (2/3 from industry)

ERA:
Lisbon, March '00

- **To aggregate fragmented effort**
- **To build consensus & provide a "global approach"**

IST in FP6

specific

Integration

Applied IST for major societal and economic challenges

Anywhere anytime natural and
enjoyable access to IST services for ALL

Pervasive, mobile,
wireless, trustful
infrastructures

Miniaturised,
low cost low power
components & μ systems

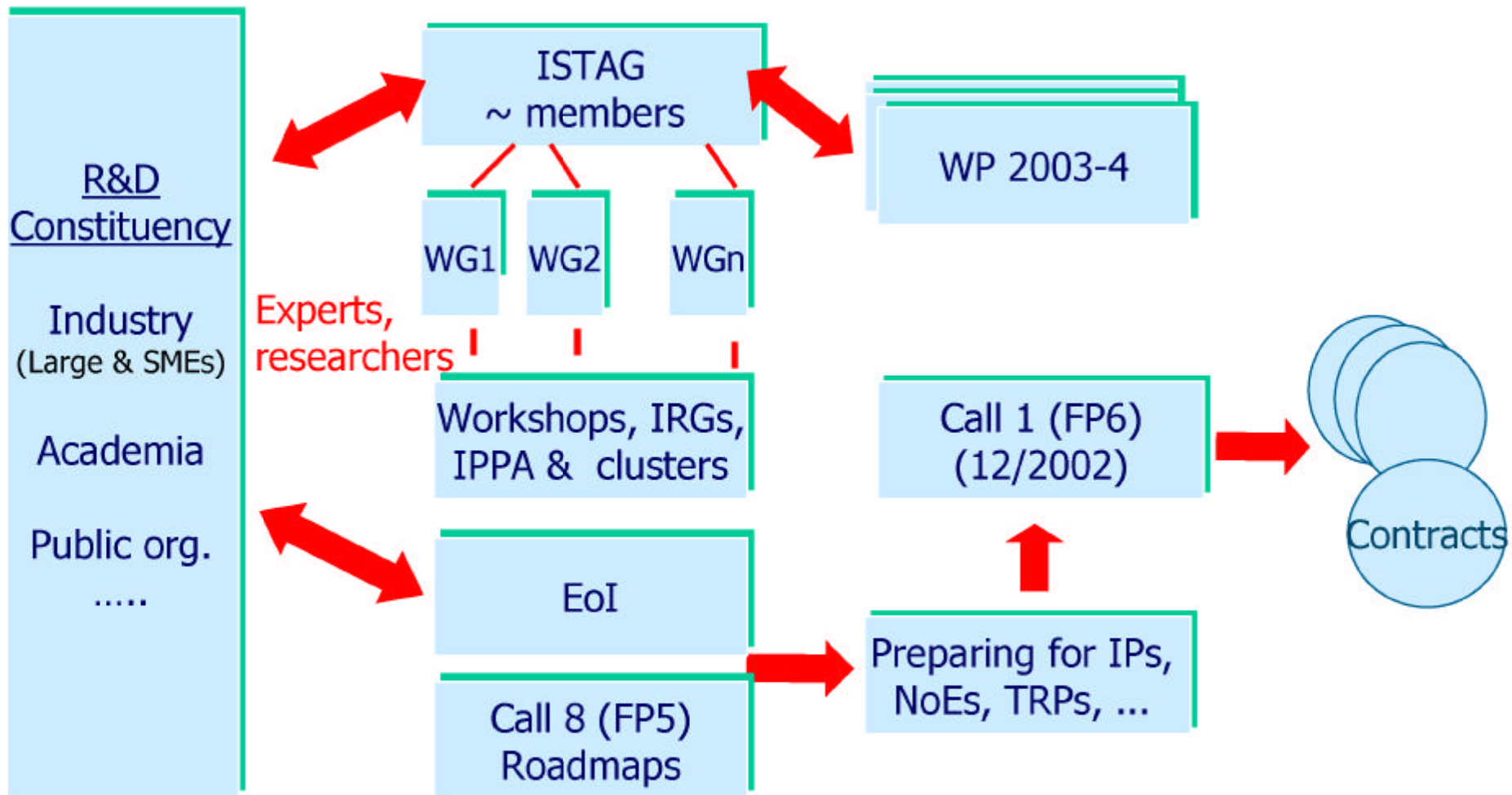
Natural interactions
with 'knowledge'

generic

Building blocks

IST

WP2003-2004 Preparation Process



Workprogramme 2003-2004

24 Strategic Research Areas in IST

- Networked businesses and government
- Product & services engineering 2010
- Cross-media content development
- Technology-enhanced learning and access to culture
- Open development platforms for software and services
- Semantic-based knowledge systems & cognitive systems
- Dependability and security framework, risk management
- Embedded systems & safety of road vehicles and transport systems
- Post-CMOS, micro and nano-systems, displays, optical opto-electronic, photonic components, interfaces
- Broadband access, networked audio-visual systems, home networks, mobile and wireless after 3G, applications for the mobile user & worker
- e-Inclusion

Preparing for the 1st Call

Expressions of Interest

- **Objectives**

- To understand the needs of the R&D community & to identify emerging research areas and constituencies
- To deploy them in the development of the strategy of FP6 and the Workprogramme 2003-2004
- To assess the "level of maturity in the understanding" of the new instruments (i.e. IPs and NoEs)

- **Timetable and Status**

- Opened 20 March, closed 7 June
- Overwhelming response: ~11,500 EoIs
- In IST: 3000 EoIs
- In Business & Work/Trust & Security: 800 EoIs
- Analysis results public on CORDIS

Preparing for the 1st Call

Networking Events

- **Conferences**

- **eBusiness and eWork Conference and Exhibition, 16-18 October 2002, Prague, Czech Republic**
- **IST 2002 Conference, 4-6 November 2002, Copenhagen, Denmark**
- **European Research 2002 Conference, 11-13 November 2002, Brussels, Belgium**

- **Workshops**

- **Several workshops organised by roadmap projects:**
<http://www.cordis.lu/ist/ka2/news.htm>

For More Information ...

Web:

<http://www.cordis.lu/rtd2002>

<http://www.cordis.lu/ist/fp6/fp6.htm>

<http://www.cordis.lu/ist/ka2>

<http://europa.eu.int/comm/research/era>

[http://europa.eu.int/comm/research/nfp/
networks-ip.html](http://europa.eu.int/comm/research/nfp/networks-ip.html)

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