



DELIVERABLE D0



European Research Infrastructures Development Watch (ERID-Watch)

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Governance body lists (Mirror Group, Industrial group, Advisory
Committee and Expert Partner with Letter of Intend)



European Research Infrastructures Development Watch (ERID-Watch)

ERID Perimeter studies and actors

Overall study perimeter

WP1 and WP2 will be implemented using interviews (phone and face-to-face). Taking into account that both WPs will be in contact with mainly the same RI operators and industrialists and in order to save time and to be credible, we proposed that the interviews may be jointly conducted.

Nevertheless we need to preliminary define as well as possible the scope of the study in terms of type/size/nature of RIs and companies interested in both cross-cutting technologies and RI business.

After a first round of discussions, it appears clearly that the two scopes will not correspond exactly. Perimeters cannot be exactly similar. But we may do our best for producing a clever and coherent list of RIs and industrial companies.

Another particularity lies in the fact the interviews will be conducted in three phases:

- **trial phase** : to be considered as a test towards a limited number of well-known actors (RIs and industrialists)
- **first phase** (2007) : the main list of RIs and industrialists will be solicited,
- **second phase** (2008) : a refined list will be elaborated taking into account the returns of the first phase's interviews

General definition for RI to be contacted

“Essential *single-sited, mobile, distributed, virtual* facilities or joint resources that provide unique access and services to research communities in both academic and/or technological domains.”

All Research Infrastructures will be considered in terms of type, size, return of experience, importance and balance between all scientific communities, both for existing and future RIs (ESFRI and others).

Identification of targeted RIs

For WP1 (Good Practice Benchmarking) investigations, only RIs with at least some years of previous experience are of interest. Initially this means existing RIs with the investigation criteria:

- at least 20 M€ cumulative investment,
- more than an average of 20% external users.

Additionally, those future RIs with already existing substantial R&D and investment will be considered. This includes especially the ESFRI Road MAP RIs.

For WP2 (The market studies) the perimeter of existing and future RI are of interest, especially those which have developed links between RI and private companies: technology transfer, staff training, accompanying up-stream R&D programs, etc.

The Research Infrastructures Survey conducted in 2003 by the European Commission has been used as a reference list. 191 RIs have been listed amongst the total of 1484, which may present a possible interest in addition to the 35 ESFRI Road Map RIs. Further RIs of specific interest (though being not part of this list or not following the above mentioned criteria) might be added to this list. This perimeter list will, in the end, reach a total figure of up to 250 RIs of interest for this project (“Perimeter”).

Investigations will start in priority in the form of interviews with the members of EIROFORUM (ESA, ESO, ESFR, EFDA, CERN, ILL, EMBL) and ERF (DESY, CCLRC, Elletra, FOM, GANIL, GSI, HMI, Laserlab Europe, Max-Lab, PSI, Soleil), the RI expert partners of ERID-Watch (AWI, HZI, IFREMER, FRM-II, ...) and other RIs according to the above mentioned criteria.

The actual choice (“Sample”) of interview partners will be guided by the following criteria:

1. Scientific domain of the ~250 RI

Sectioned according to ESFRI Roadmap definitions and proportional to the percent value in the Perimeter:

Social Sciences and Humanities	6,89%
Environmental Sciences	34,85%
Energy	10,60%
Biomedical and Life Sciences	12,88%
Materials Sciences	5,83%
Astronomy, Astro-, Nuclear, Particle Physics	23,32%
Computation and Data Treatment	6,89%
Plus: Engineering (<i>not covered by Road Map</i>)	...,%

2. Country

RIs from all 27 EU members, the 3 candidate and 5 associate countries will be considered, if they fulfil the Perimeter criteria. A sense of proportion will guide this choice of RIs. This will guarantee that in the end a maximum number of European

nations will be covered by this study and that the number of RIs in each country will be found representatively in the study.

3. Type of RI

Finally, the type of RI has to be considered in the choice of interview partners:

Single-sited (single resource at a single location)	86,92%
Distributed (including Grid-Type architectures)	6,89%
Virtual (a service being provided electronically)	6,89%

First identification of cross-cutting activities

In parallel, Qi3 has identified industrial sectors that may be contacted for interviews in order to understand links between RI and private companies. They may be listed as it is:

- Vacuum Pumps / Vacuum & Low Temperature Technology/ Vacuum Components and Chambers
- Gas-Handling Equipment / Refrigeration Equipment / Storage And Transport of Cryogens
- Low-Temperature Materials / Low-Temperature Components
- Viewing and Metrology Systems / Specialized Manufacturing Techniques
- Active Components / Passive Components / Measuring Instruments for Electronics
- Power Supplies - Transformers / RF and Microwave Components
- Reactive Power Compensators and Harmonic Filters / Superconducting Magnets
- Ac/Dc & Ac/Ac Power Converters
- Optical Transmission Systems / Optical Benches / Optical Equipment / Lasers Mirrors, Lenses
- X-Ray Crystals / Other Optical and X-Ray Equipment/ Spectrometers
- Neutron Detectors
- Vacuum Window Assemblies / Infrared Cameras / Charged and Neutral Particle Detectors
- Electromagnetic Radiation Detectors / Data acquisition & handling /Biotechnology
- Medical systems / Radiotherapy / Tomography
- Pharmaceuticals / Drug structure determination
- Chemistry / Functional materials / Catalysts (automotive & industry)
- Information technologies / Semiconductors / Integrated Circuits / Mass data storage / Grid components
- Micro systems technology
- Special materials (esp. metals) treatment and forming
- Nuclear and neutron radiation detectors

An average number of 20 industrial companies linked with these cross-cutting technologies and having regular business with the above defined RIs will be also interviewed by WP1 and WP2 responsables.



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European Research Infrastructures Development Watch (ERID-Watch)

Industrial Group membership and functioning

INTRODUCTION

The Industrial Group is one of the core advisory bodies of ERID-Watch. It must provide independent views on the project's topics. It's the reason why it must have an autonomous operating way of functioning.

It's composed of companies' representatives coming from a large range of private RI stakeholders mixing major companies and SME level ones: industrial suppliers, industrial users, technology transfer facilitators, finance.

The provisional list of IG members is included in the D0 deliverable. Further members up to anticipated number around 15 members might be admitted by the below mentioned procedure. Additionally, industrial representatives to the Advisory Committee are permanently invited to the IG meetings.

ADMISSION

The name of a potential new IG member is suggested by all partners (legal & experts). The candidature of a new Partner of Industrial group must be officially submitted to the Executive Board by a legal partner through a signed letter of intend. After admission by the Executive Board they will share the above mentioned initial members privileged access to:

- The working documents and working meetings schedules and minutes,
- The preparation and review of report and recommendations.

SCOPE OF WORK

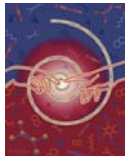
- The IG members will act as a panel review,
- They discuss and give advices on intermediate and final reports of both good practices benchmarking and market studies.
- Members of IG may be concretely involved in WP1, WP2 and WP3 as well as in the AC advices. They may be interviewed by the WP1 and WP2 investigators (experience with RIs and cross-cutting technologies identification).

- They may be involved in the Prospective Working Group to be set up under the WP3 (second part of the project – 2008)
- They may participate to the General Opening Workshop, Mid-Term Review and the final Conference.

PROCESS DESCRIPTION

- The chairman will be elected by the participants
- NC legal partner will ensure the secretary task.
- They will be invited at the specific IG meetings (June in Hambourg, mid-term meeting in October 2008) and the Final European Conference in Prague.
- The IG will discuss and give advices concerning all issues of the ERID-Watch project during specific Industry Group meetings. This process will be lead by the IG chairman and be assisted by the secretary. The results of these discussions should be considered by the other procect bodies.
- The IG will comment on documents by this way:
 - The secretary sends documents to be discussed and commented
 - The secretary collects all the "e-validations"
 - Without answer after 2 weeks, the document is considered as validated and "communicable" to the AC and the MG
- IG members may be interviewed by WP1 and WP2 investigators about:
 - the cross-cutting technology to be considered
 - the improvement of general conditions for having business with RIs, e.g. a) Investing in RI, b) co-governing a RI, c) providing components and services to RIs, d) incentives for funding and/or using RIs, e) innovative regulations for improving staff training (continuous learning, etc), f) co-operative R&D with RIs, g) transferring & licensing RI technologies.
 - How do they see the market evolution in cross-cutting technology linked to RIs?
- They will have access to working documents, and accept to keep in confidence all un-validated working documents.

Please see attached the provisional IG members' list (February 2007)



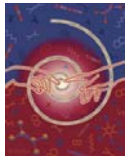
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MIRROR GROUP

Institution	Title	Last Name	First Name	Position	Country
Ministry for Reserach & High Education	Dr	Gaillard	Michel	Head of Europe Unit, Ministry for Research & High Education	France
Ministry of education, youth and sports (MEYS)	Prof	Wilhelm	Ivan	plenipotentiary of the government of the Czech Republic	Czech
Scientific Research Council	Dr	Borjesson	Lars	Head of RI Unit, Scientific Research Council	Sweden
DESY PT in order of Ministry of Research & Development	Dr	Böhlke	Kristina	Head of Desy PT	Germany
Physics & Particle Research Council	Dr	Fletcher	Peter	Physics & Particle Research Council	UK
Minsitry of Development	Dr	Kolyva	Sossanna	General Secretary for R&T Ministry of Development	Greece
Ministry of Education, Culture and Science Directorate Research and Science Policy	Dr	Ridder-Numan	Jeannette	Deputy Head Research Strategy	NL
Minsitry of Science & Education	Dr	Del Carmen Andrade	Maria	RI Head of Unit, Ministry of Science and Education	Spain

In red : to be confirmed (letter of intend to be received soon)





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INDUSTRIAL GROUP

Institution	Title	Last Name	First Name	Position	nationality
Pfeiffer Vacuum Austria		Salamonovic	Radan	Scientific Director, physicist	Czech
Jobin-Yvon		Brunet	Didier-Luc	Scientific and Technology Director	France
Phi-Axis		Doucet	Jean	Director, technology transfer specialist (former TT-ESRF)	France
Air Liquide		Marot	G�rard	Deputy-Director Scientific Department	France
Thales Electron Devices		Giguet	Eric	Specialist in Scientific Marketing	France
Norgenta	Dr.	Kathrin	Adlkofer	CEO, Biologist	German
TNO Science		Mandersloot	Wart	General manager Business Unit Opto-Mech. Instrumentation	NL
Diamond Light Source		Freeman	Robert	Head of Procurement Office	UK
INERIS		Villeneuve de Janti	Philippe	European Project Manager	France
ELYTT Energy		Echeandia	Aitor	cold and warm magnet designers and manufacturers. Undulator designers and manufacturers	Spanish
Haldor Tops�e A/S	Dr	Molenbroek	Alfons	Department Manager - Characterization Department - Research and Development Division	Denmark
Tescan		Zadrazil	Martin	research director, electron microscopes	Czech
PERMANENT GUEST					
European Investment Bank		?		<i>to be confirmed</i>	Belgian





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ADVISORY COMMITTEE

Institution	Title	Last Name	First Name	Position	nationality	Status/domains
Institutionals						
EIROFORUM	Dr	Césarsky	Catherine	Chairman of the Board	French	European RIs
ESFRI	Dr	Wood	John	Chairman	English	RIs' Strategy
OECD	Dr	Sgard	Frederic	GSF responsible officer	French	RIs' Economy
ERF	Dr	Kleyn	Aart	FOM Director	Dutch	National RIs
RI Operators						
INFN	Dr	Petronzio	Roberto	INFN Director	Italian	Physics
HZI	Prof	Balling	Rudi	HZI director (German Centre for infectious diseases), biologist	German	Biology/Health
Natural History Museum	Dr	Higley	Graham	Scientific Director - involved in I3Net action	English	Library / Collection
IFREMER		Dosdat	Antoine	Director European affairs	French	Marine Sciences
Industrials						
QINETIQ	Dr.	Truss	Peter	Head of Space Division	English	Space
GLAXO				<i>to be confirmed</i>	English	Pharma
Accel Instruments GmbH	Dr.	Peiniger	Michael	CEO, Physicist	German	major-instrumentation
Jobin-Yvon	M.	Brunet	Didier-Luc	Scientific and Technology Director	French	SME-instrumentation
PERMANENT GUEST						
European Investment Bank				<i>to be confirmed</i>	Belgian	Finance





Expert Partner with Letter of Intend

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Last Name	First Name	Institut	Country
EKELÖF	Tord	Faculty for Science and Technology at Uppsala universitet	Sweden
RICHER DE FORGES	Hugues	IFREMER	France
KLEYN	Aart	Institute for Plasma Physics Rijnhuizen	NL
PEINIGER	Michael	ACCEL Instruments GmbH	Germany
MANDERSLOOT	W.A.J.	TNO Sciences and Industry	Germany
FREEMAN	Robert	Diamond Light Source	UK
ECHEANDIA	Aitor (Mr)	ELYTT ENERGY	Spain
MAROT	Gérard	AIR LIQUIDE DTA Company	France
VILLENEUVE de JANTI	Philippe	INERIS	France
HIGLEY	Graham	Natural History Museum of London	UK
BRUNET	Didier-Luc	HORIBA Jobin Yvon SAS	France
KOLYVA	Sossanna	International S&T Co-operation of the General Secretariat for Research and Technology	Greece
SGARD	Frederic	OECD	France
CAMINADE/RAOUX	J.P./Denis	Synchrotron SOLEIL	France
ROCHOW	Regina	Sincrotone Trieste SCpA (Elettra)	Italy
BIEBOW	Nicole	AWI	Germany
SAUTER	Eberhart	AWI	Germany
BALLING	Rudi	HZI	Germany
ADLKOFER	Kathrin	Norgenta	Germany
		INSERM	France

