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# 1 Research protocol

## 1.1 Objectives of the study

- § Identify and describe national structural frameworks and mechanisms for RTD programme and roadmap formulation, implementation and exploitation
- § Describe stakeholders and key actor groupings involved
- § Analyse formal structural opportunities of planning, implementing and exploiting joint RTD activities
- § Exchange experience and good practice
- § Prepare for the structural elements needed for joint activities

## 1.2 Country summaries

Initial results of the research conducted within WP2 suggest that in many member states e-Health RTD is not a high priority area. It is also clear that collection of information through a survey of representatives of national RTD programmes would not bring reasonable results because prospective respondents are overwhelmed by a large number of surveys, workshops and meetings on similar topics. Therefore, it was suggested that the work on WP3 will focus more on gathering and systematisation of information from other sources, such as:

- § Country reports produced within the WP2
- § Information available from previous and parallel projects, such as CISTRANA
- § Information portals of E-health RTD programmes as well as programmes documentation, where available
- § Information portals of government and research institutions within member states
- § Research publications
- § Telephone or face-to-face interviews with a limited number of key informants to fill possible gaps after analysing the information available in the public domain

Project team will aim to collect as much information as possible on all member states included in the project, however, it is expected that due to time and resource constraints, the level of details in the available information will vary from country to country.

Data collection approach will be similar to one employed for WP2. The project team will produce a set of country summaries (called so to distinguish from country reports produced within the WP2), which will be analysed to derive a Pan-European picture of the eHealth activities. Imperial College will produce initial drafts of the summaries, which will be edited by other project partners according to the clusters of countries used within WP2. Information from country summaries will be aggregated into a common report by Imperial College and

analysed to identify similarities in approaches to the organisation of countries' e-health RTD programmes as well as areas for potential collaboration.

In the CISTRANA survey(1) 14 countries have indicated eHealth as a priority area. These countries include: Czech, Republic, Cyprus, Finland, Hungary, Iceland, Italy, Poland, Portugal, Norway, Slovakia, Sweden, Switzerland, the United Kingdom and Slovenia. CISTRANA report(1) mentions that most of the countries responded to the survey with only one description of the National R&D programming process, however Finland, France, Germany, Greece, Hungary, Italy, Poland and Switzerland provided descriptions of several processes existing in these countries. Table below represents programmes which have an eHealth component. Initially the study will focus on these countries and programmes.

**National R&D programmes with healthcare, medical equipment, assistive devices or eHealth services as a relevant application sector(1)**

Country	Programme name	Start	End	healthcare	medical equipment	assistive devices	eHealth services
Netherlands	Freeband Communication	2004	2009				X
Netherlands	Interactive Multimodal Information Extraction	2002	2008				X
Netherlands	Netwerk van Netwerken	2002	2006/2007			X	X
Netherlands	Sentinels	2004	2011				X
Netherlands	Spraak- en Taaltechnologische Essentiële Voorzieningen In het Nederlands	2004	2009			X	X
Netherlands	Access To Knowledge and its enhancement Netherlands	2000	2008				X
Netherlands	Virtual Lab E-Science	2004	2009				X
Norway	ICT for Medical and Health Care (IKT i medisin og helsetjeneste)	2001	2005	X	X		X
Slovakia	Building the Information Society	2002	2005		X	X	X
Spain	National Programme on Informatics	2004	2007				X
Spain	National Programme on Service Technologies for the Information Society.	2004	2007				X
Switzerland	Interactive Multimodal Information Management	2002	2014			X	

**National R&D programmes with healthcare, medical equipment, assistive devices or eHealth services as a relevant application sector(1)**

Country	Programme name	Start	End	healthcare	medical equipment	assistive devices	eHealth services
Bulgaria	Information Society - National Scientific Programme	2003	2005				X
Cyprus	RESEARCH FOR ENTERPRISES	2003	2005				X
Cyprus	Thematic Actions - Action "INFORMATION SOCIETY"	2003	2005				X
Finland	Healthcare technology programme	2004	2009	X	X	X	X
Finland	Nordite	2005	2010		X		
Finland	The Application of Information Technology in Mechanical, Civil and Automation Engineering	2005	2009		X		
Finland	Research Programme on Proactive Computing	2002	2005			X	
Finland	Future Electronics Research Programme	2003	2006		X		
France	Techno-Vision	2004	2008		X		X
Germany	Ausbildungs- und Technologieinitiative Bioinformatik	2001	2006				X
Germany	Förderprogramm Optische Technologien	2002	2007		X		X
Germany	Framework Action Programme "Information Society Germany 2006" (expression of political will, not implemented by a real "programme"). See document DE_Multimedia part II_20050228	ongoing					X
Germany	Rahmenprogramm zur Förderung 2004 - 2009 Mikrosysteme (Framework programme Microsystems)	2004	2009		X		X
Greece	COMPETITIVENESS PROGRAMME/MEASURE 4.5: COOPERATIVES FOR RESEARCH AND TECHNOLOGICAL DEVELOPMENT IN SECTORS OF NATIONAL PRIORITY/4.5.4 ATHLETICS	2004	2005				X
Iceland	IS_U&U (RTD programme on the Environment- and Information Society Technologies)	1999	2004		X	X	X

### **1.3 Process and allocation of resources**

The following process was agreed for conducting the study:

1. Partners provide latest versions of WP2 documentation to Imperial
2. Imperial produces draft country summaries and distributes them to the partners
3. Partners finalise summaries and return them to Imperial
4. Imperial aggregates the information, conducts analysis, produces draft deliverables
5. Partners provide feedback
6. Imperial finalises deliverables

### **1.4 Work plan**

Data collection

Pilot summaries for several countries - End of January 07

Countries for piloting: Finland, Germany, Italy, Poland, Spain, UK

Produce country summaries for all countries – March 07

Deliverable 3.1 Report on national programme management approaches, processes and stakeholders

Draft D3.1 – March 07

Final D3.1 – Mid June 07

D3.2 Final report on strategic opportunities and action plan for cooperation

Draft D3.2 – Mid June 07

Present D3.2 as a section within the final report

Final D3.2 - End of June 07

## 2 Country: [CountryName]

Under the headings below, please describe the eHealth RTD in the country: key stakeholders, organisational and financing principles.

### 2.1.1 Key priorities of national eHealth RTD

Under this heading please describe strategic priorities in the country's eHealth RTD. They can be defined in a dedicated national eHealth roadmap or wider research policy documents.

### 2.1.2 Stakeholders involved in eHealth RTD

Describe stakeholders involved in the development of national eHealth roadmap, formulation of national goals and priorities in eHealth RTD. In this section please provide contact information for each stakeholder organisation and identify its role as following<sup>1</sup>:

- Setting priorities for eHealth RTD
- Coordinating eHealth RTD activities within the country
- Coordinating international collaboration in the area of eHealth RTD
- Financing eHealth RTD
- Administering eHealth RTD programmes
- Other (please specify)

### 2.1.3 Coordination of national eHealth RTD activities

In this section please describe mechanisms for coordination of national eHealth RTD. How ministries and other bodies set and coordinate the research agenda?

### 2.1.4 Funding mechanisms

Under this heading please describe how the funding of eHealth RTD is organised: whether there are country-level programmes with significant eHealth component, or RTD funding is allocated on a non-programme basis (when funding organisations do not declare specific objectives for funding research projects).

Dear partners, so far we found three funding mechanisms in respect to setting priorities for research funding:

1. Programme-based funding: when certain strategic objectives are specified for funding research projects within a programme

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<sup>1</sup> Please note that in many cases organisations play more than one role, in these cases please specify all relevant options

2. Project-based (or non-programme-based) funding: when organisation administering research funds evaluates project proposals on the basis of broad criteria, which do not include achievement of specific research objectives
3. “Institution-driven”<sup>2</sup>: when research organisations, for example universities in the case of Sweden, receive lump-sum funding and are not limited in the choice of research topics these funds can be spent on

Describing the funding mechanisms for eHealth research in this section, please try to identify whether the process in the country maps to one or several of abovementioned mechanisms. We can also expect that completely different mechanisms exist in some countries. In these cases please describe them in greater detail.

### **2.1.5 Mechanisms facilitating international collaboration**

In this section please describe mechanisms encouraging international collaboration. For example in Finland involvement of international partners in research projects is a pre-requirement for funding research projects.

### **2.1.6 Country-level barriers and gaps in eHealth RTD**

Describe key known bottle-necks and gaps creating barriers to successful implementation of the national eHealth RTD.

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<sup>2</sup> This term is our own invention, your suggestions are welcome to better define the terminology for this way of organisation of research funding

<sup>9</sup> Source:

## 2.2 eHealth RTD activities

This section describes key ICT or Health programmes and grants, which include or can potentially include an e-Health component.

### 2.2.1 [Programme name, or main organisation administering RTD funds (for non-programme-based funding)]

Please copy this section with all sub-sections for each programme or funding organisation

#### 2.2.1.1 Funding mechanisms

Describe programme's sources of funding, and, if possible, current allocation of funds by key goals and objectives.

#### **Funding organisation**

Financing body of the eHealth activity, Coordinating body of the eHealth RTD activity, administering body of the eHealth RTD activity

#### **Amount of funding totally available for the programme**

#### **Duration**

#### **Topics**

e.g. No restriction to certain topics or Biotechnology

#### 2.2.1.2 Management and decision process

Describe organisations involved in the management of the programme and the process for funding decisions on eHealth research projects.

#### **Type of projects funded**

x	Research
	Improvement of research infrastructure
	Technology transfer
	Co-ordination
	Networking
	Preparation for market deployment
	Market validation
	Training and education

10 Source:

	Gender activities
	Other (please specify):

## Target group and eligibility

### Mode of call

X	Call for proposal
	Grant
	Other (please specify):

### Process of selection

#### Amount of funding by project

e.g. 60% of total costs

#### 2.2.1.3 Coordination with other national RTD activities

Describe with which other national programmes this programme is coordinated.

#### 2.2.1.4 International collaboration

Describe any international collaboration existing within the programme and mechanisms enabling this collaboration.

#### 2.2.1.5 Barriers and gaps

Describe key known bottle-necks and gaps creating barriers to successful implementation of this programme.

## 2.3 References



