Extending ICT Research Co-operation between the European Union, Eastern Europe and the Southern Caucasus

ICT R&D Priorities in BELARUS in 2010-2015: Method of Inquiry

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Outline

❑ Basic principles about the Consultation Process

❑ Details about the Consultation Workshop

❑ Description of ICT R&D Priorities elicitation method

The Consultation Document (s)

Structure of Consultation Document	
Section 1	Purpose of the Consultation
Section 2	The ICT R&D Environment in country X – The National ICT Sector and its Governance in X – Trends in the National ICT Sector and in National ICT Policy Objectives – R&D ICT Co-operation with the EU and foreign countries
Section 3	Integration of the EECA countries in the European ICT R&D Environment
Section 5	Scoping Questionnaire
Section 6	How to provide your contribution
Section 7	ANNEX – ICT in FP7

The Scoping Questionnaire

❑ **Goal 1:**

– *identify the current research fields and priorities of the country, based on the initial mapping of the ICT research environment.*

❑ **Goal 2:**

– *identify the future ICT research priorities in their country for the period 2010-2015, based on sound justification. Moreover, for research priority, to define specific research objectives and proposed areas of research.*

Solingen, V., Berghout, E., "The Goal/Question/Metric Method: A Practical Guide for Quality Improvement of Software Development" , London: McGraw Hill
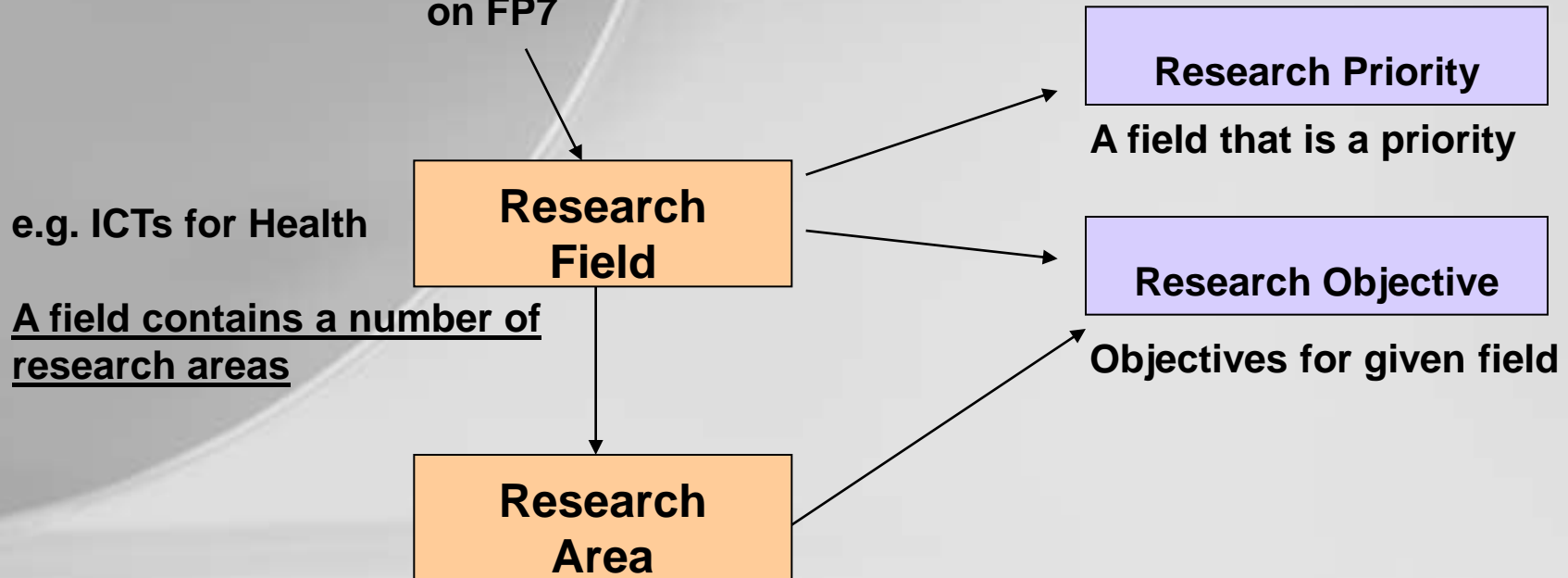
Questionnaire Sections

RATIONALISING THE CURRENT ICT RESEARCH FIELDS IN (COUNTRY)	DEFINING (Country's) ICT RESEARCH PRIORITIES FOR THE PERIOD 2010-2015

Consultation Terminology

Taxonomy has been created based on FP7

e.g. ICTs for Health

A field contains a number of research areas

Research Field

Research Area

Research Priority

A field that is a priority

Research Objective

Objectives for given field

e.g. personalised health services
Research in a specific research area, implements
a given research objective

The Consultation Workshop

□ **Aim**:

– To engage local stakeholders in the formulation of recommendations for strengthening EC-EECA cooperation in the ICT domain

□ **Objectives of workshops**:

– to rank the <u>TOP</u> 5 to 10 ICT research priorities of BELARUS following an exercise of <u>evaluation with criteria</u> (scoring method)

– to identify specific objectives and areas of research for each priority

The Consultation Workshop cont'd

❏ integrated list of priorities already presented (☝)

❏ We will now ask experts to evaluate them against specific criteria

❏ Then we identify the top 10 priorities

❏ For these, we will also summarize the key relevant objectives (identified in the consultation doc), verify and update them

❏ We ask them to identify specific areas of research per priority

The Scoring Method

❑ **Objective**: derive the key R&D priorities of the country

❑ **Criteria**:

- *Importance/attractiveness*
  - Social importance
  - Economic importance
  - Strategic importance
  - Research and Technological Opportunities
- *Feasibility/readiness*
  - Application capacity
  - Research and Technological Capacity

The Scoring Card

Social Importance			Research & Technological Opportunities	FEASIBILITY	
				Application **Capacity** *(absorption potential of application sectors)*	**Research & Technology Capacity** *(production potential of R&D)*
Impact on the quality of life	Importance for GDP	Priority ranks high on the political agenda	Potential of the research priority to produce new technologies	Absorption capacity in public administration	Current quality of human resources
☐	☐	☐	☐	☐	☐
Ability to improve key public services (e.g. health, education, safety etc.)	Importance for exports	Positive impact on other national strategies (e.g. on economic development.)	Probability of scientific innovations	Absorption capacity in Small and Medium Sized Enterprises	Capacity of the necessary research infrastructure
☐	☐	☐	☐	☐	e.g. √ ☐
Ability to meet needs specific social group third age, youth persons)		Probability of creating new application possibilities	High demand in relevant application sector(s)	Current state-of-the art of the research field	
☐			☐	☐	☐
Impact on the creation of job opportunities			Probability of involvement in international cooperation	Impact on the competitiveness of the application sector(s)	Level of education in related fields
☐	☐	☐	☐	☐	☐
Score: ___	Score : ___	Score: ___	Score: ___	Score: ___	Score: ___

Tick up to two most relevant sub-criteria

Assign an overall mark for the criterion

5=extremely relevant, 4=very relevant, 3=somewhat relevant, 2=not so relevant, 1=not relevant

Good Luck

and

Thank you