



CARDS 2004 - CROATIA

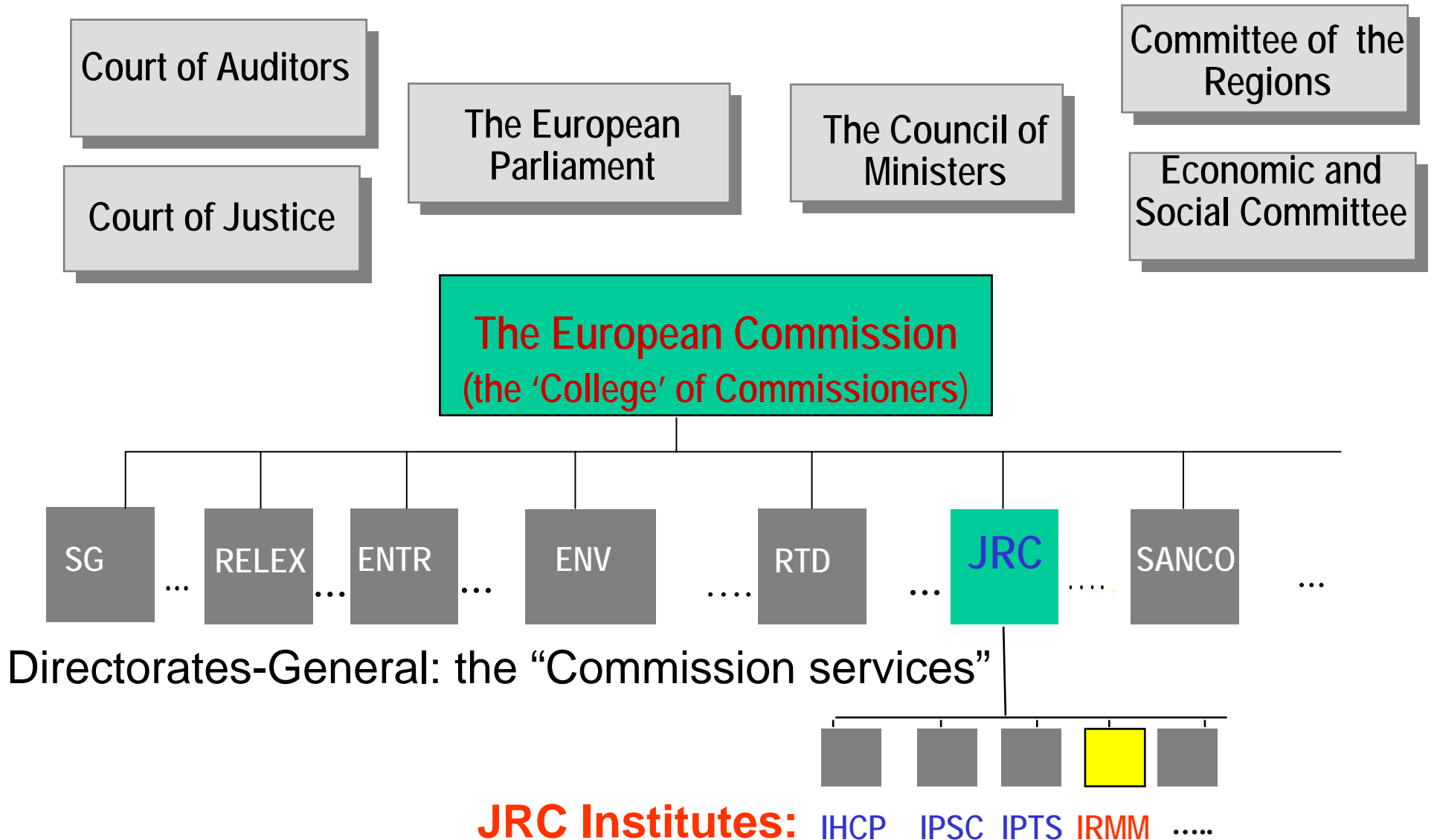
Building a needs driven quality infrastructure for EU accession

<http://ec.europa.eu/dgs/jrc/index.cfm>

<http://www.irmm.jrc.be>

Institute for Reference Materials and Measurements

Nikola Poposki



7 Institutes in 5 Member States

IRMM – Geel, Belgium

- Institute for Reference Materials and Measurements

Staff: □ 280

IE – Petten, The Netherlands

- Institute for Energy

Staff: □ 180

ITU – Karlsruhe, Germany

- Institute for Transuranium elements

Staff: □ 250

IPSC - IHCP - IES – Ispra, Italy

- Institute for the Protection and the Security of the Citizen
- Institute for Health and Consumer Protection
- Institute for Environment and Sustainability

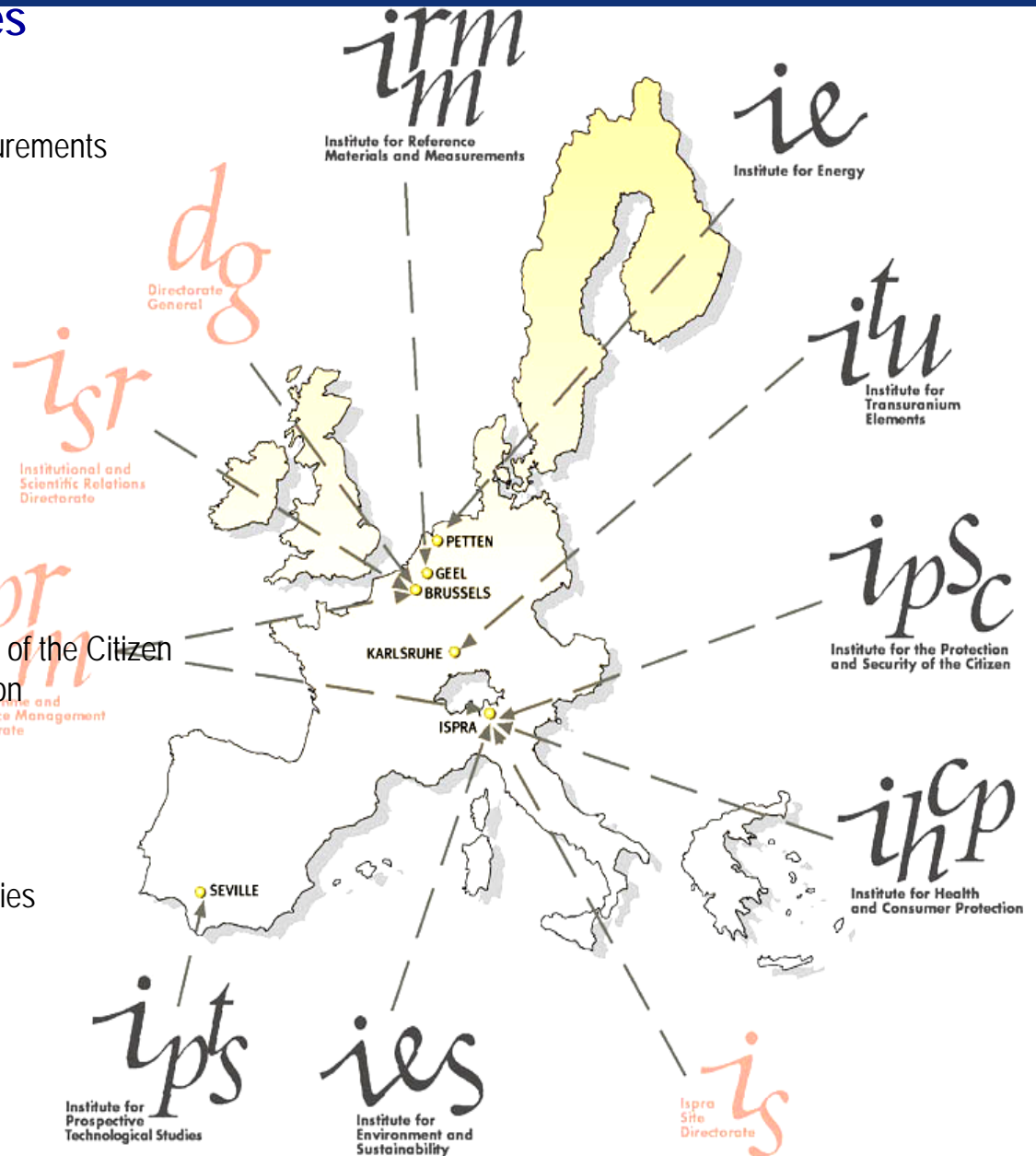
Staff: □ 350, 250, 370

IPTS – Seville, Spain

- Institute for Prospective Technological Studies

Staff: □ 100

Total staff: ~ 2700 people



... to provide customer-driven scientific and technical support for the conception, development, implementation and monitoring of EU policies ...

... the JRC functions as a centre of science and technology reference for the EU, independent of private and national interests...

“A research based, policy support Institution”

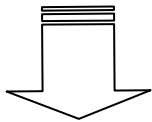




The mission of the IRMM is to promote a common European measurement system in support of EU policies.

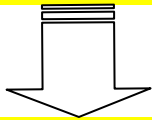
Design

EC



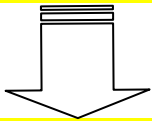
Adopt

EU & National



**Implement equivalently
across EU**

National



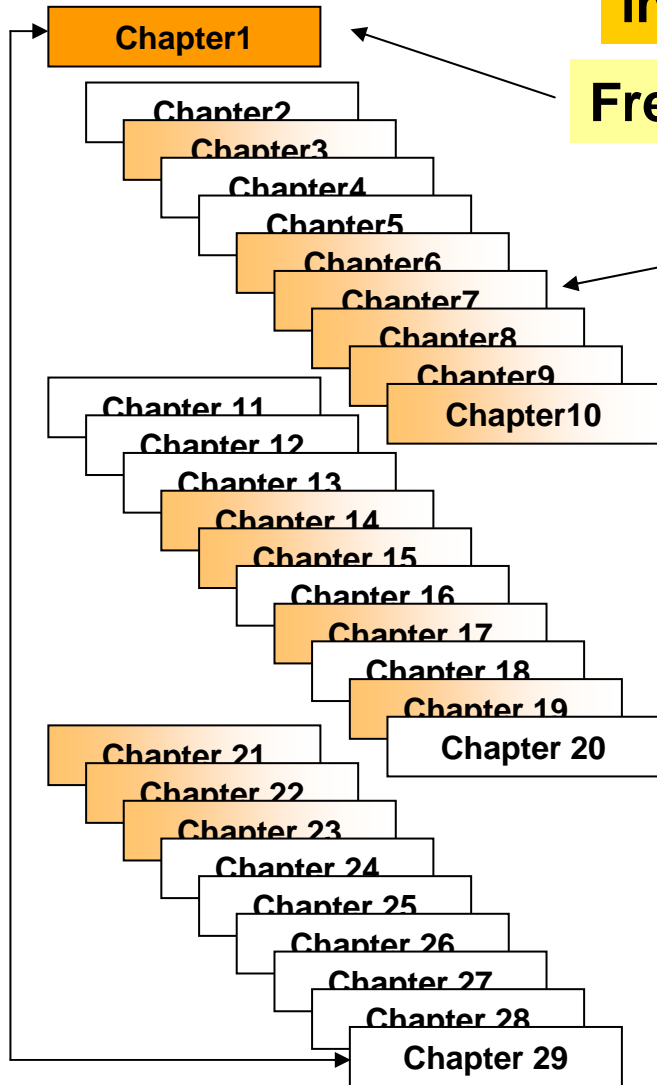
Measurements

National

Crucial link between
directive and implementation
uniform implementation
across EU

Member State requires capability to measure, test, inspect ... in following areas to implement legislation

Negotiation Chapters



Free movement of goods

Environment

Regional development

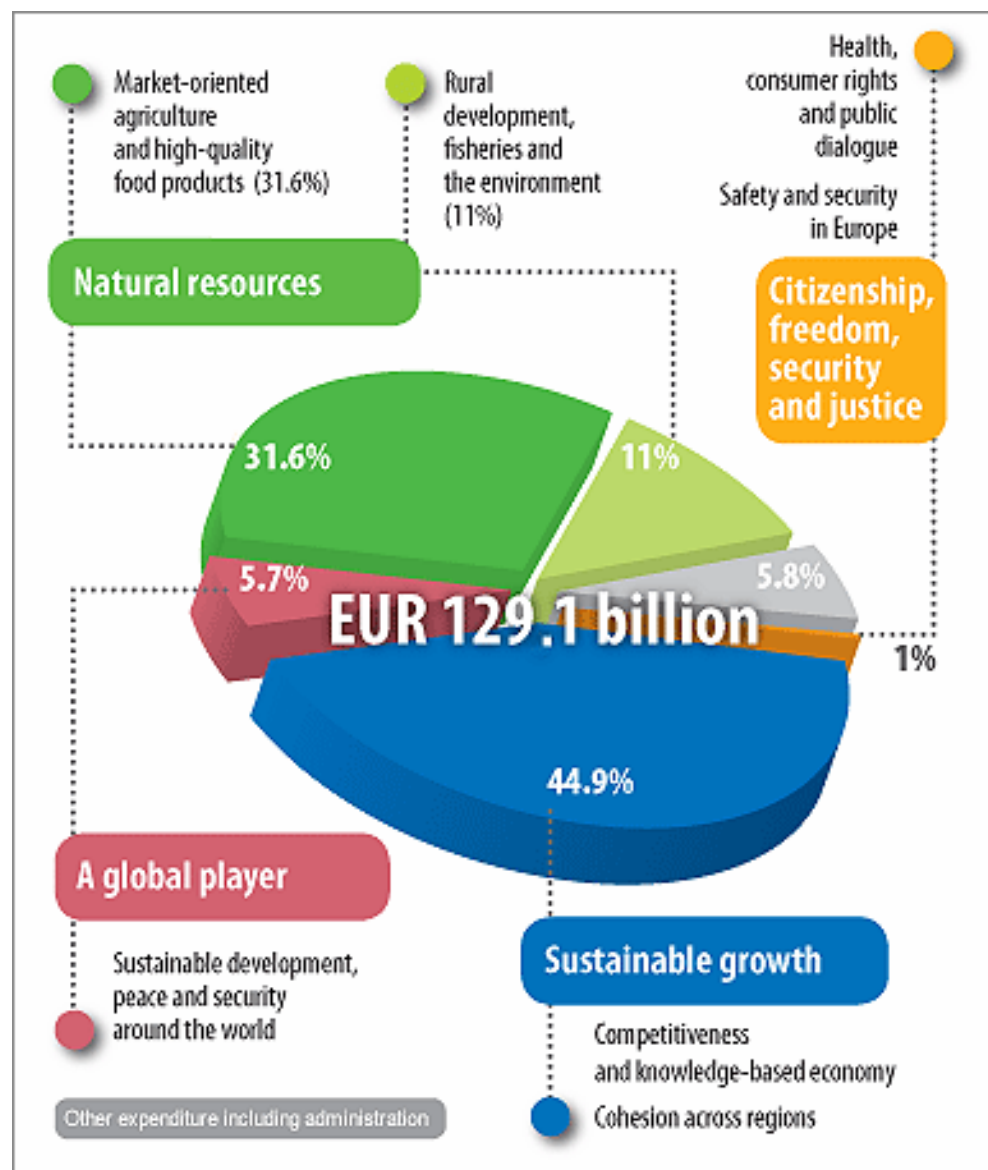
Agriculture

Consumer Protection

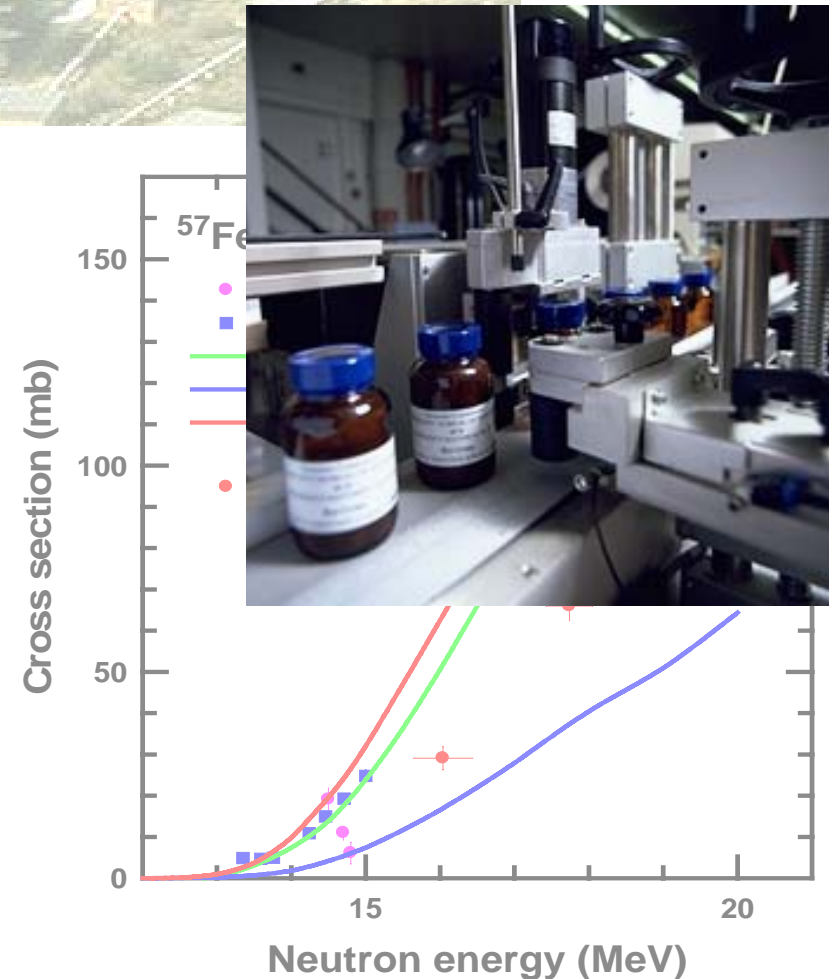
Customs

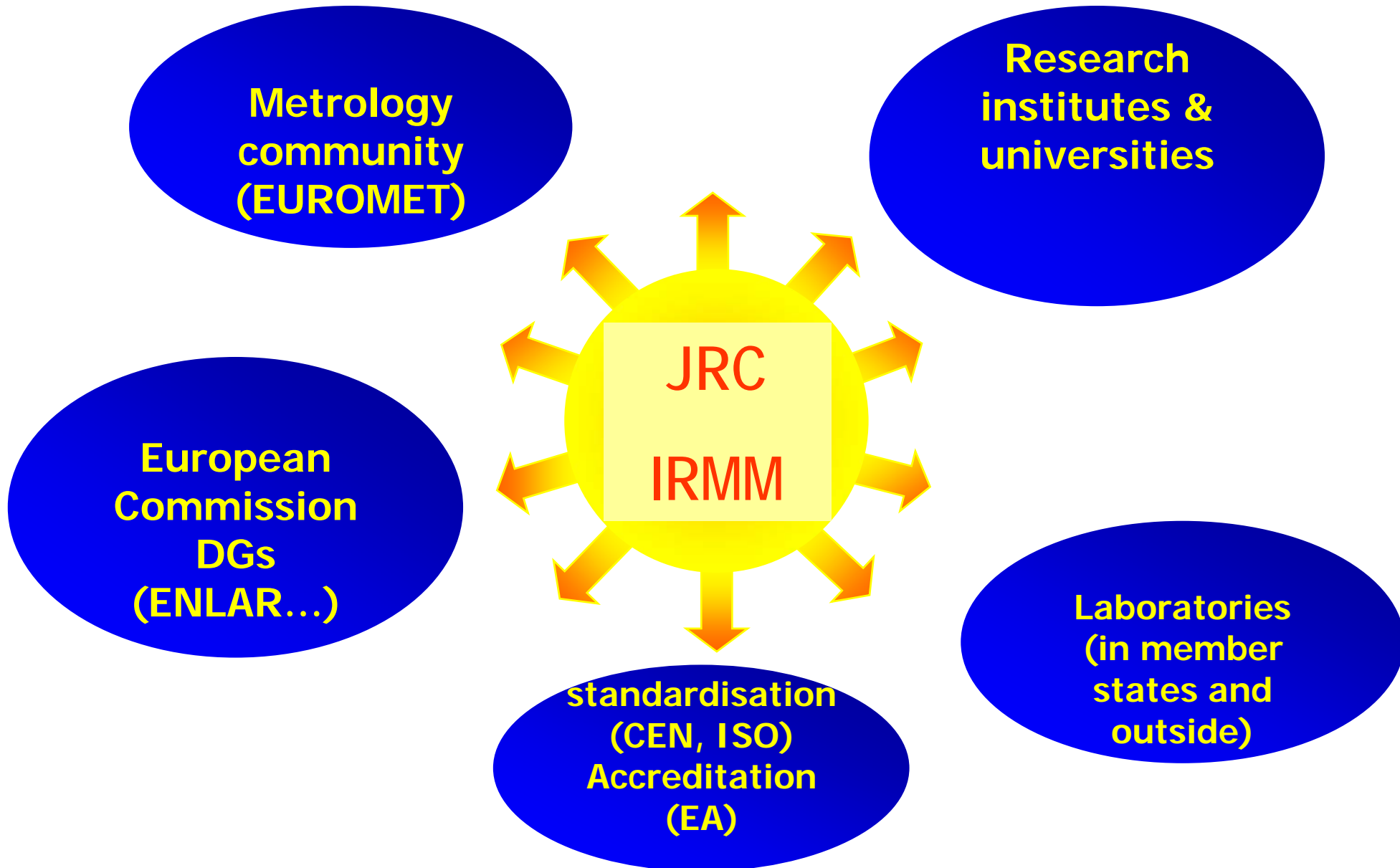
Health

What does EU finance?



- Food safety and quality
- Biotechnology and health
- Environment
- Nuclear safeguards
- Nuclear safety







QUALITY INFRASTRUCTURE

two projects (starting both on the 15th of May 2006):

- **ASSESSMENT of National Priorities for Metrology and Conformity Assessment**

DZM...

(12 months)

- **DEVELOPMENT of National Metrology, Standardisation, Conformity Assessment and Accreditation System**

DZM, HZN, HAA...

(36 months)

DEVELOPMENT OF NATIONAL METROLOGY, STANDARDISATION, CONFORMITY ASSESSMENT AND ACREDITATION SYSTEM

1/ STRENGTHEN THE NATIONAL QUALITY INFRASTRUCTURE SYSTEM

- Operational institutions with clearly defined activities / responsibilities: **set / update strategies**
- Aligned **legislations** with European requirements
- Identified **reference laboratories in chemistry** and their positioning within the national metrology system
- Readiness to become **full members** of the corresponding European and international bodies
- Clearly identified **areas of collaboration** between all the stakeholders of the national quality infrastructure

2/ IMPROVE THE TECHNICAL EXPERTISE

- Readiness for **HZN** to become member of CEN and CENELEC (specific staff training...)
- Staff **training in metrology in chemistry**, for analytical laboratories and technical assessors of the national accreditation body
- Established **conformity assessment** systems related to various directives

3/ RAISE PUBLIC AWARENESS ON NATIONAL QUALITY INFRASTRUCTURE

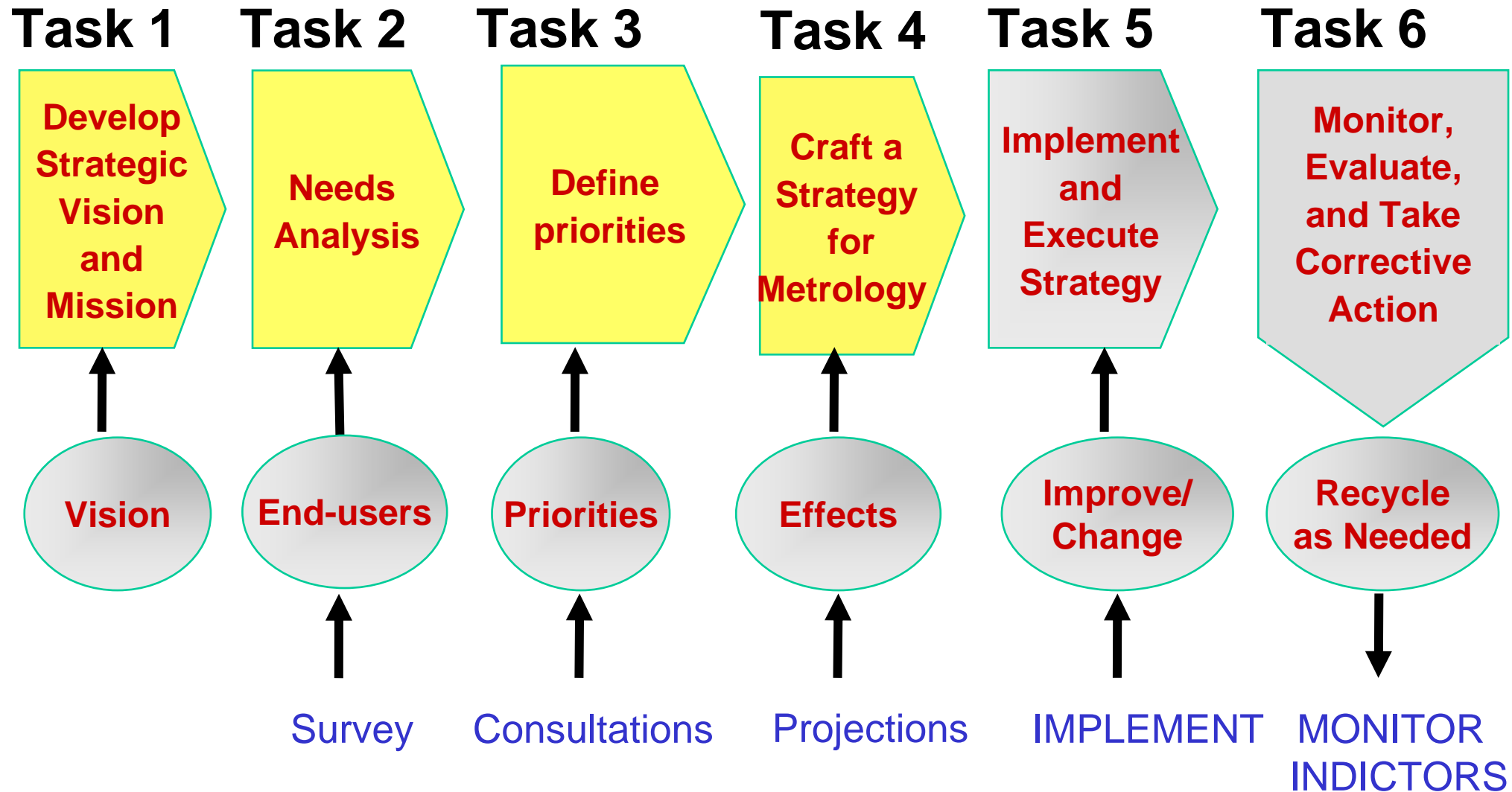
- Setting up communication strategies for all beneficiaries
- Promoting role and importance of **quality infrastructure** within the beneficiary country
- Promoting **international collaboration** between the relevant national institutions

ASSESSMENT OF NATIONAL PRIORITIES FOR METROLOGY AND CONFORMITY ASSESSMENT:

- 1/ SUPPORT THE UPGRADING OF THE TECHNICAL INFRASTRUCTURE
- 2/ SUPPORT THE PROCESS OF:
 - creation of recognised measurement laboratories, and
 - measurement standards.

As a result:

- needs in metrology and related conformity assessment are analysed
- priorities in the measurement area, based on the analysis of national needs, are identified
- number of conformity assessment bodies and laboratories are identified
- equipment is procured



Strategy for the entire National Metrology System

National Strategy in the field of Metrology

- The *vision* for the **National metrology system** of the Republic of Croatia is to be a well-functioning and internationally recognised metrology service provider addressing needs in strategically important areas.
- The *mission* of the **National metrology system** of the Republic of Croatia is to operate the entire metrological infrastructure with the purpose of contributing to the welfare of citizens and permanent improvement of their quality of life and providing support to overall competitiveness of the national economy.

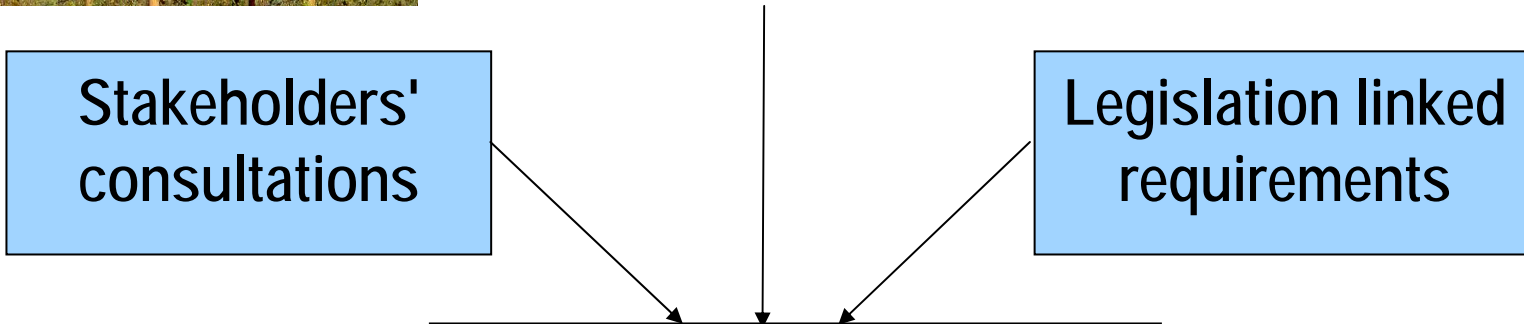


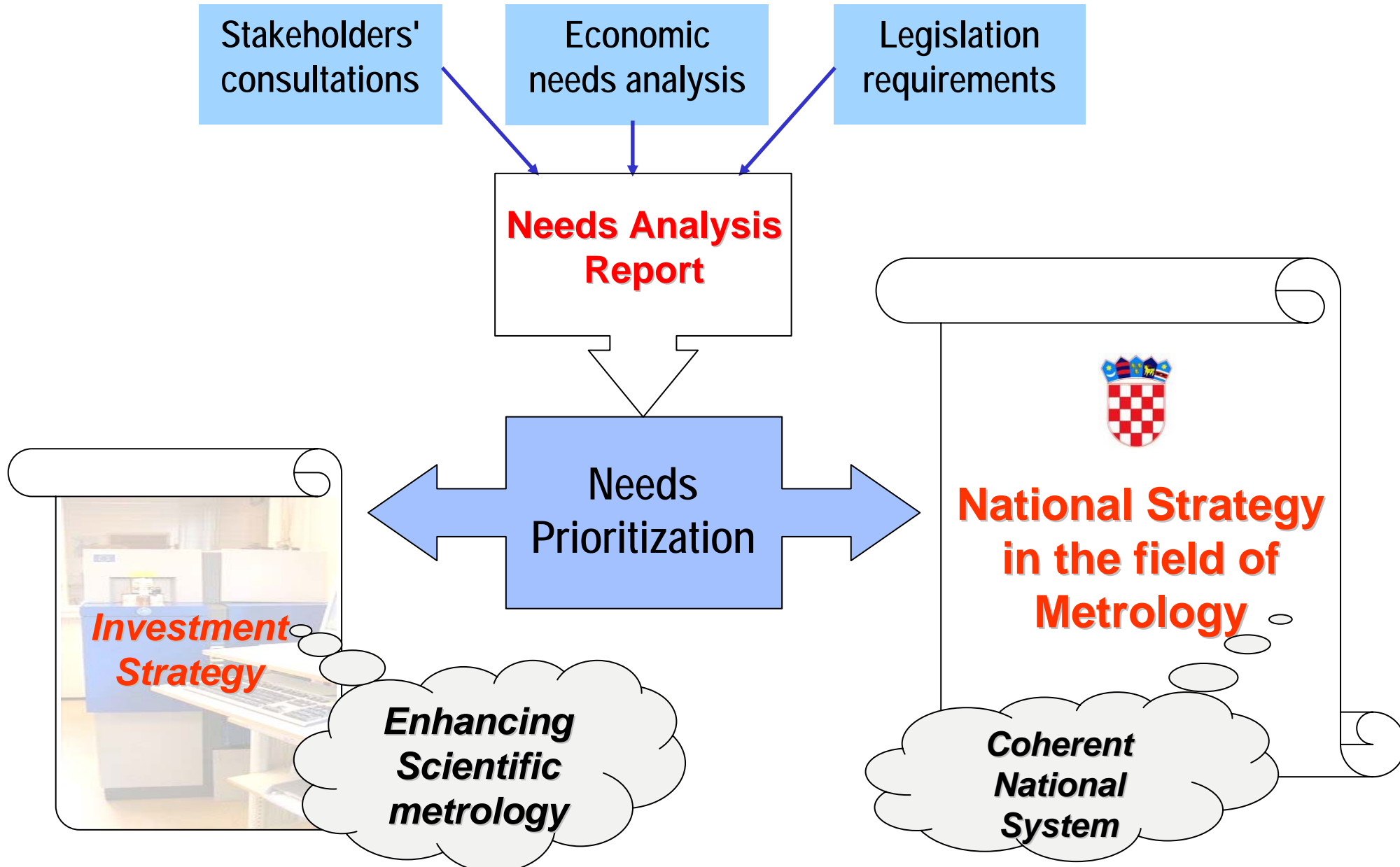
Economic needs analysis

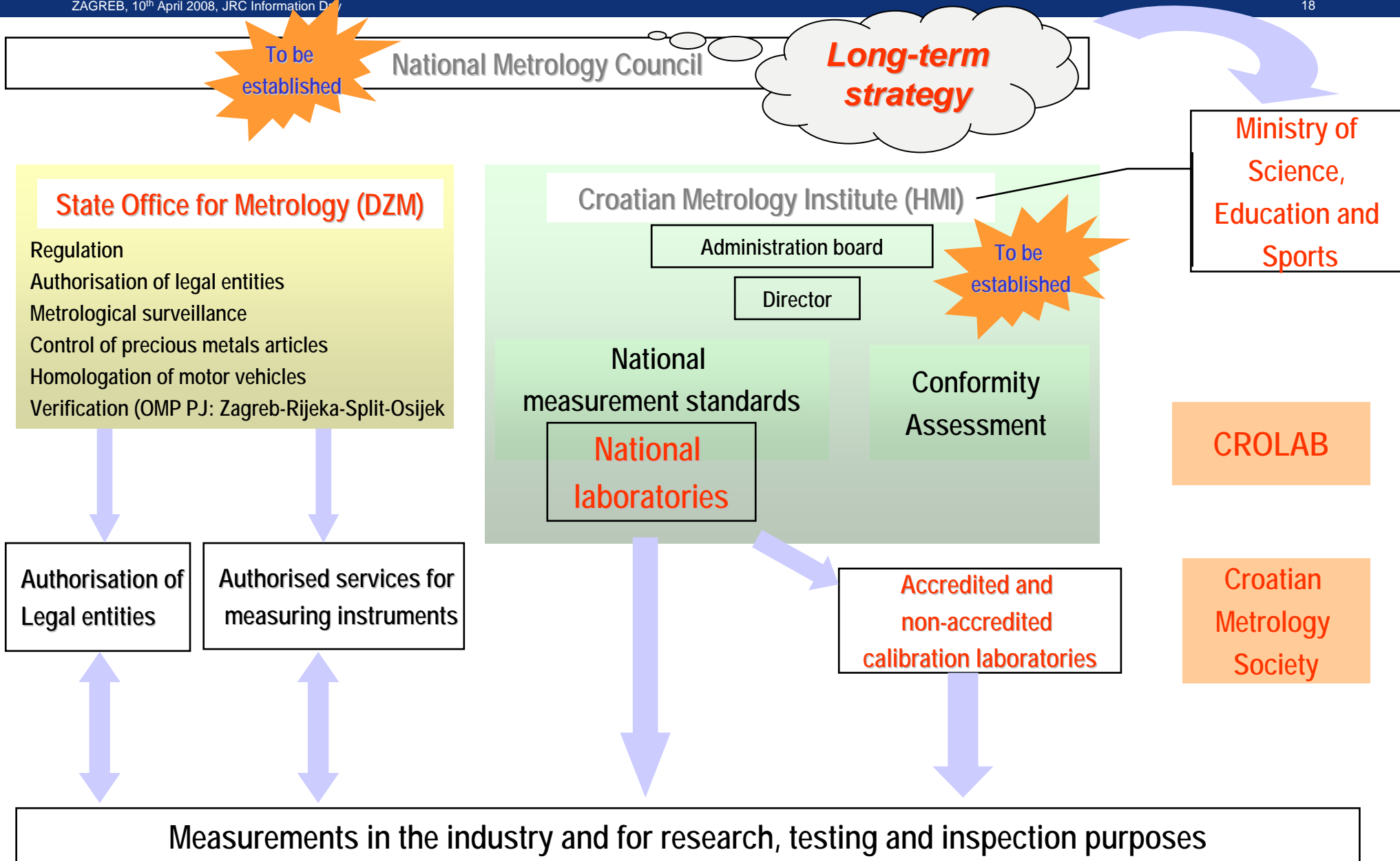
Stakeholders' consultations

Legislation linked requirements

Needs Analysis Report

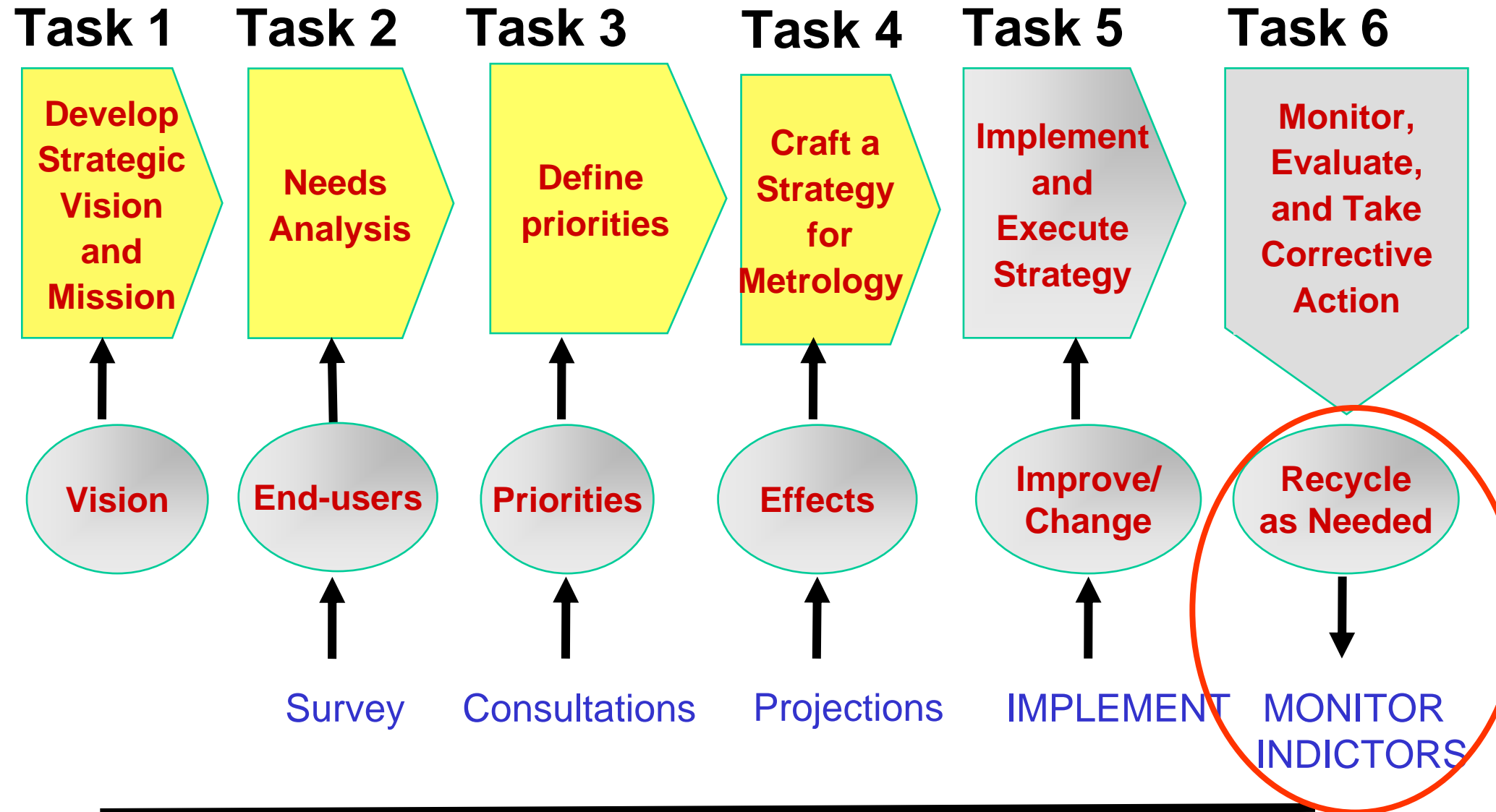






Anticipating the trends

- **Legal Metrology:**
 - Shifting the focus from a "routine verifications-oriented system" towards "market surveillance centered approach"
- **Scientific Metrology:**
 - Supporting the emergence of metrological R&D centres of excellence, through results correlated funding system
- **Industrial Metrology:**
 - Extending services to new fields according to end-users needs for disseminating traceability
- **Conformity assessment dimension:**
 - Potential emergence of limited capabilities for few measuring instruments, while anticipated resolving of any conflicts of interest (e.g. HMI)





Strategy formulation is:
an on-going,
never-ending,
integrated process
requiring continuous reassessment
and reformation



<http://ec.europa.eu/dgs/jrc/index.cfm>

<http://www.irmm.jrc.be>

Comments & Questions?

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