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eHealth 2005

Telematics in Health Care

The Need for Co-operation among Member States
Patient Mobility, Interoperability Initiatives, European Research Area

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The introduction of an electronic health card is a key project for the German health system. The functions, applications and services related to such cards do also have relevance to the process of European integration

Patient centred care, citizen oriented providing of information and services do or should not end at borders

Mobile citizens in Europe have a right on high quality health services without unnecessary administrative barriers

Do other Member States in Europe establish similar eHealth infrastructures, applications and services? Can German citizens use such services in other Member States like at home? Can mobile foreigners use German services or the national services while staying in Germany?

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Examples for european-wide or cross-border eHealth services

- → **personalized Internet portals with information about healthcare providers, their services and the quality /cost / reimbursement procedures of their services / contribution of the insurance organization**
- → **certified electronic insurance information**
- → **usage and maintenance of electronically stored personal medical data**
- → **transmission of laboratory orders and results or of other medical reports**
- → **second opinion using electronic communication channels**
- → **use of smartcard technology as a tool for identification, authentication, digital signature, secure transport of data or access to data**

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The challenge

- ➔ **The support of mobile citizens by european-wide or cross-border eHealth services is only possible if similar local services are interoperable to each other**
- ➔ **aspects of interoperability are**
  - ◆ **legal and contractual framework, organizational agreements**
  - ◆ **technical connection of infrastructures like networks and middleware services**
  - ◆ **standardized technical protocols for secure data transmission and providing**
  - ◆ **agreements on structure, syntax, terminology, coding and presentation of data**
  - ◆ **definition of the semantic of data and the given context and its description by meta data**

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Some questions

How can a doctor (in the Internet) present his legitimation for access to a personal health record

When can European citizens use health systems abroad without unnecessary barriers giving access to their personal health record?

Do we create pan European eHealth services?

Do we create a European single market for eHealth products and services?

How quick will European integration be developed with regard to health systems?

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Political targets

- **Mobility** of citizens
- **Cross border** e-Health services
- **European-wide** e-Health services
- **Information about** health and **possible treatment and care**, including sufficient information to enable informed consent to treatment
- European mechanisms to **facilitate access to care in other Member States** and information about them
- **Patient empowerment**
- **Patient-centred care**
- **Efficiency** and quality of health systems

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The EC eHealth Action Plan

Overview of actions with responsibility

by the Member States**: 2005**

Develop a national or regional **roadmap for e-Health**

- Deploying e-Health systems
- Setting targets for **interoperability**
- Setting targets for the use of electronic **health records**
- Address issues such as **reimbursement of e-Health services**

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The EC eHealth Action Plan

Overview of actions with responsibility

by the Member States**: 2006**

- ➔ Common approach to **patient identifiers**
- ➔ **Interoperability** standards
- ➔ Health data **messages**
- ➔ Electronic health **records**
- ➔ Support and boost investment in e-Health

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The eHealth Action Plan

Overview of actions with responsibility

by the Member States**: 2008**

- ➔ Promote the use of **cards** in the health sector
- ➔ Adopt implementation of a (European) electronic health (insurance?) card
- ➔ Provide **online services**
  - ◆ Teleconsultation (second medical opinion)
  - ◆ E-prescription
  - ◆ E-referral
  - ◆ Telemonitoring
  - ◆ Telecare

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Report of the

High Level Group on Health Services and Medical Care

to the Council of the European Union

- **Interoperability is the corner stone** supporting citizens mobility and patient centred care
- **Appropriate structures for cooperation** on information and e-health **must be implemented**
- The needed **resources must be secured**

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Work Plan (1)

Develop an overall health systems information strategy

- **in a European context**
- **based on political targets**

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Work Plan (2)

Outline activities for the

- **implementation of the eHealth Action Plan**

  with priority to those activities which need

  - **cooperation of the Member States and**
  - **support by the EC**

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Work Plan (3)

Define data

- for comparison of eHealth services
- to measure effects of European integration

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Work Plan (4)

Take the lead in
facilitating the realisation of

- **European-wide or**
- **cross-border eHealth services**

by playing a politically-oriented

- **coordination role**

in this process

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Target

Make data / information / knowledge available for

- **citizens / patients**
- **health professionals**
- **policy makers**
- **administrations / authorities**

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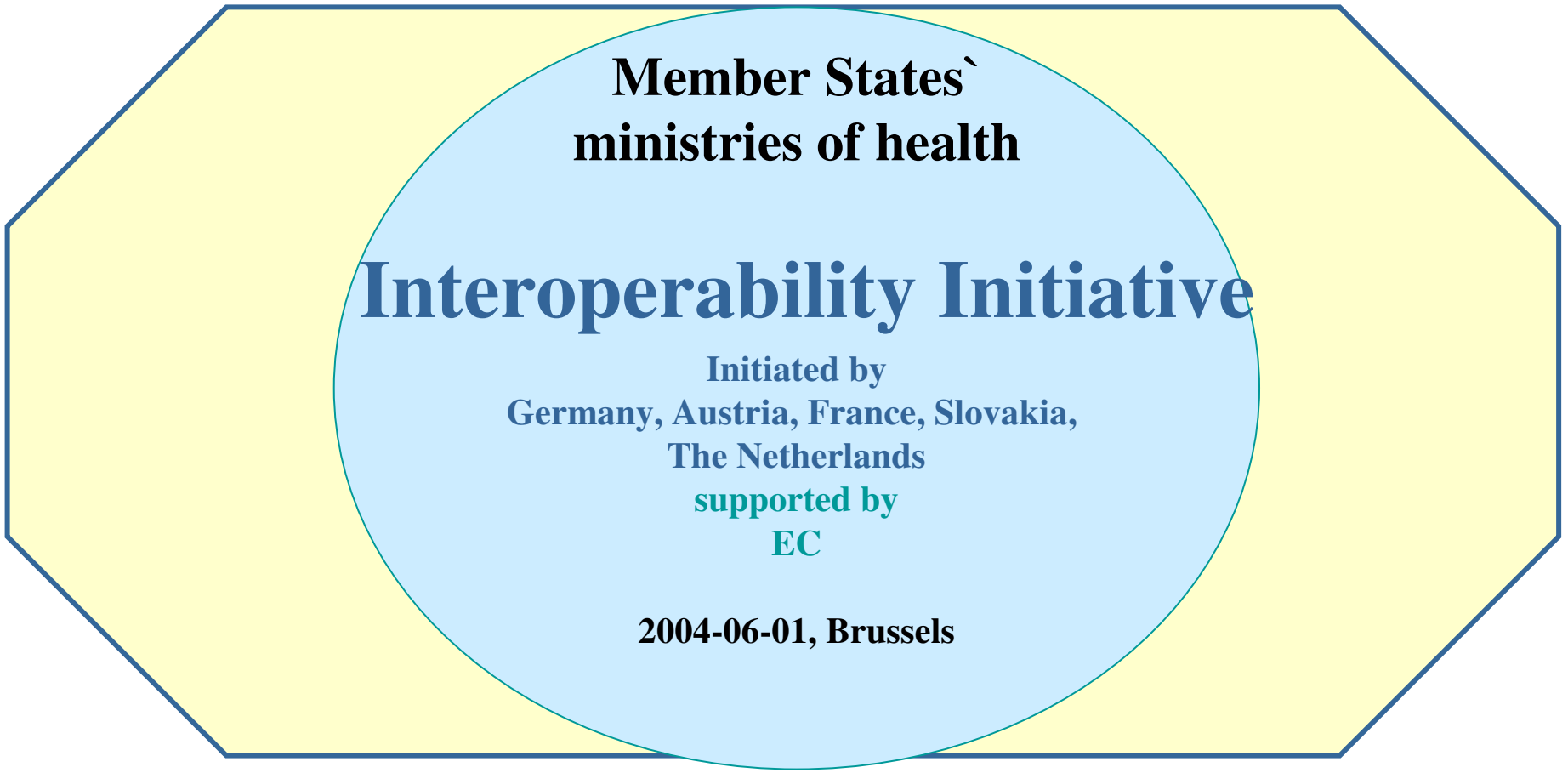
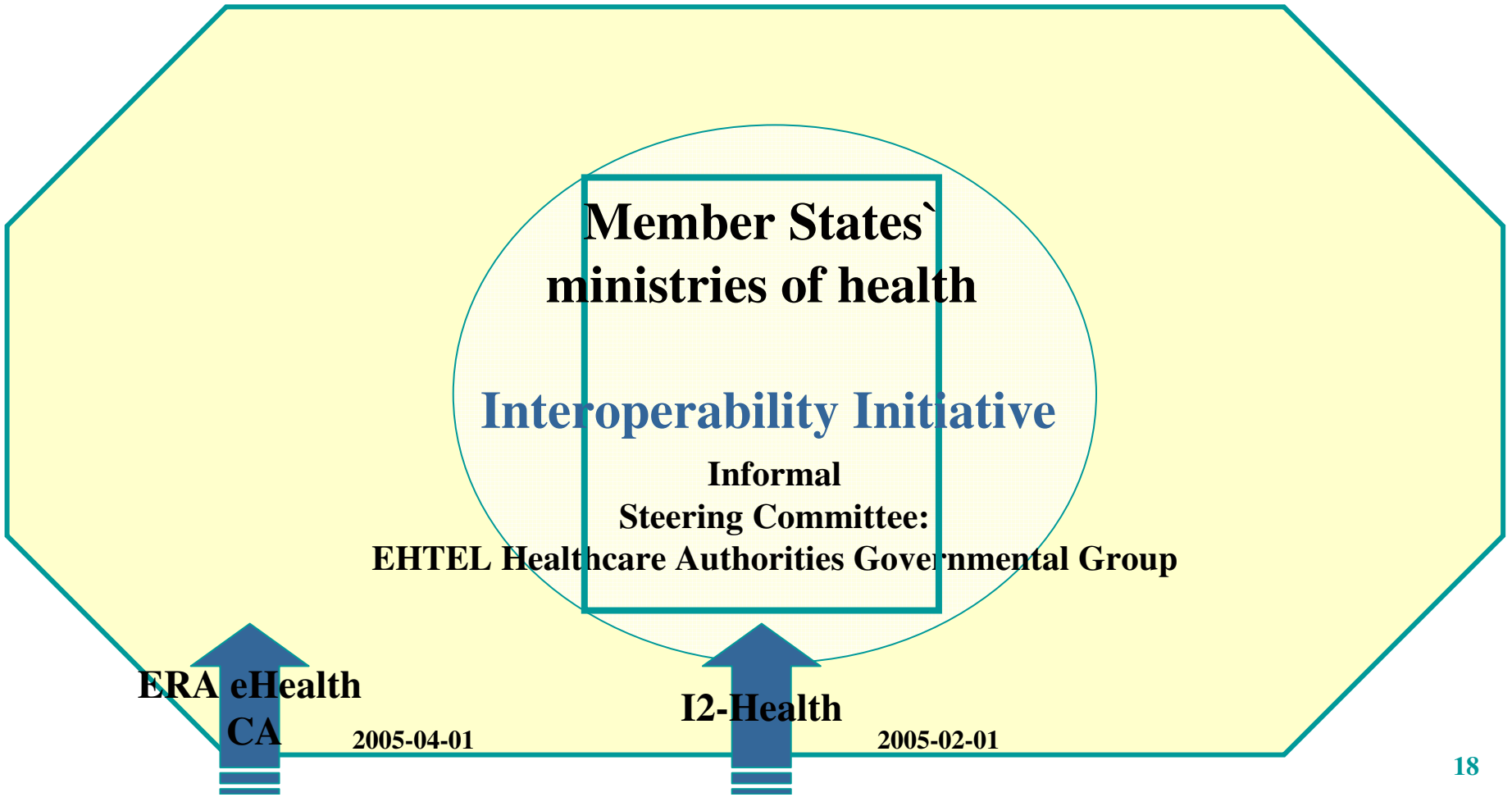
eHealth Standardisation Focus Group
Main Recommendation (2005)

Establish a platform with a mandate and the necessary resources to facilitate co-operation between European Member States with support of the European Commission to promote e-Health interoperability for the mobile citizen

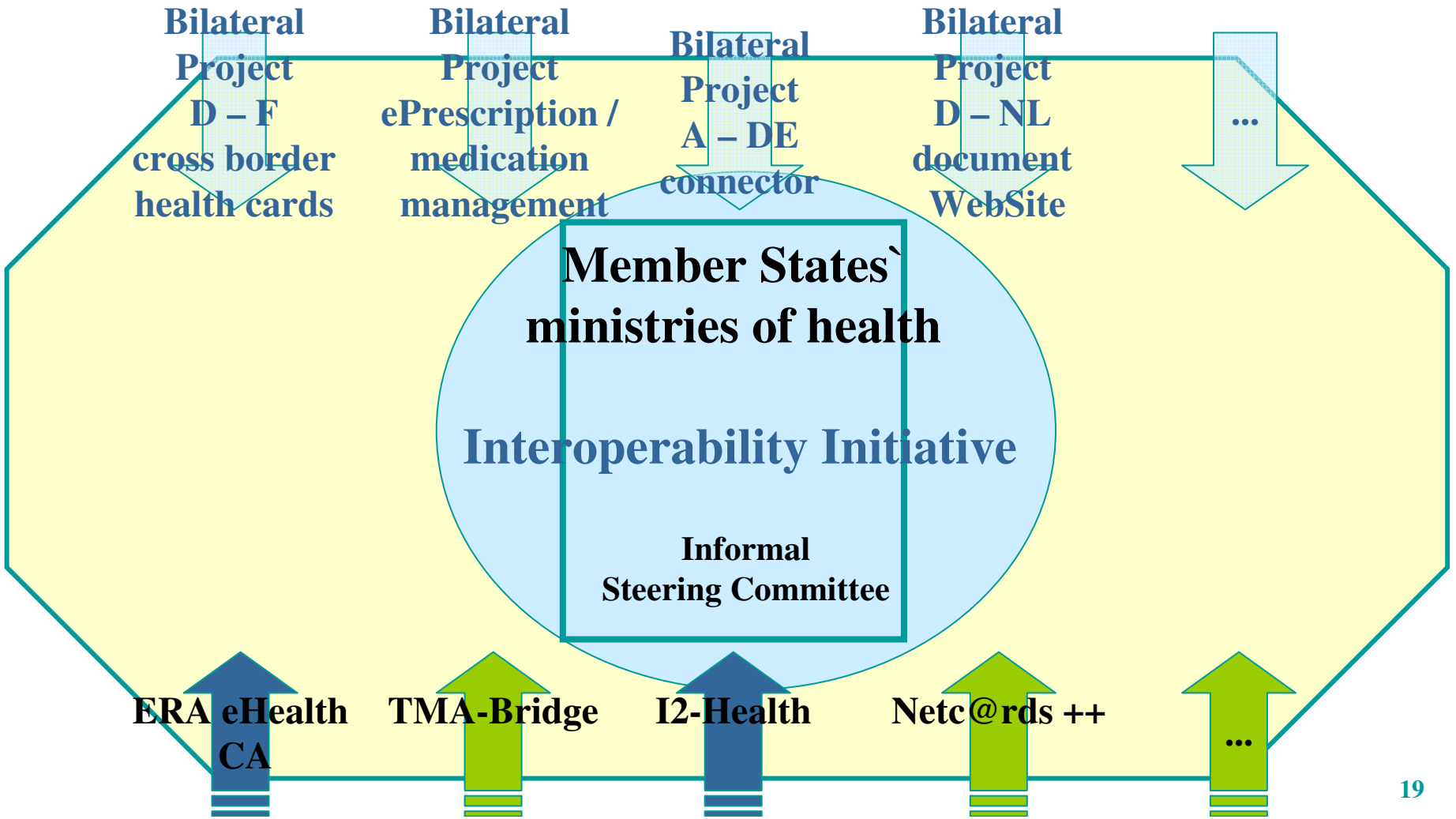
The Member States` Interoperability Initiative for a European eHealth Area



The Member States` Interoperability Initiative for a European eHealth Area: Supporting EC projects



The Member States` Interoperability Initiative for a European eHealth Area: Supporting projects



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Organising activities on interoperability

eHealth Standardization Focus Group

ERA-NET (implementation oriented research strategy definition, Member States co-ordination);
TMA Bridge (international co-operation)

- National or regional roadmaps for e-Health.
- Health cards
- Unique identifier
- Electronic Health Record
- Inter-operable messaging
- Conformity testing and accredita-tion schemas
- Others (Imaging, lab results, medication manage-ment, etc.)

I2Health (Interoperability management); TMA Bridge (Interoperability issues); Netc@rds (insurance information)

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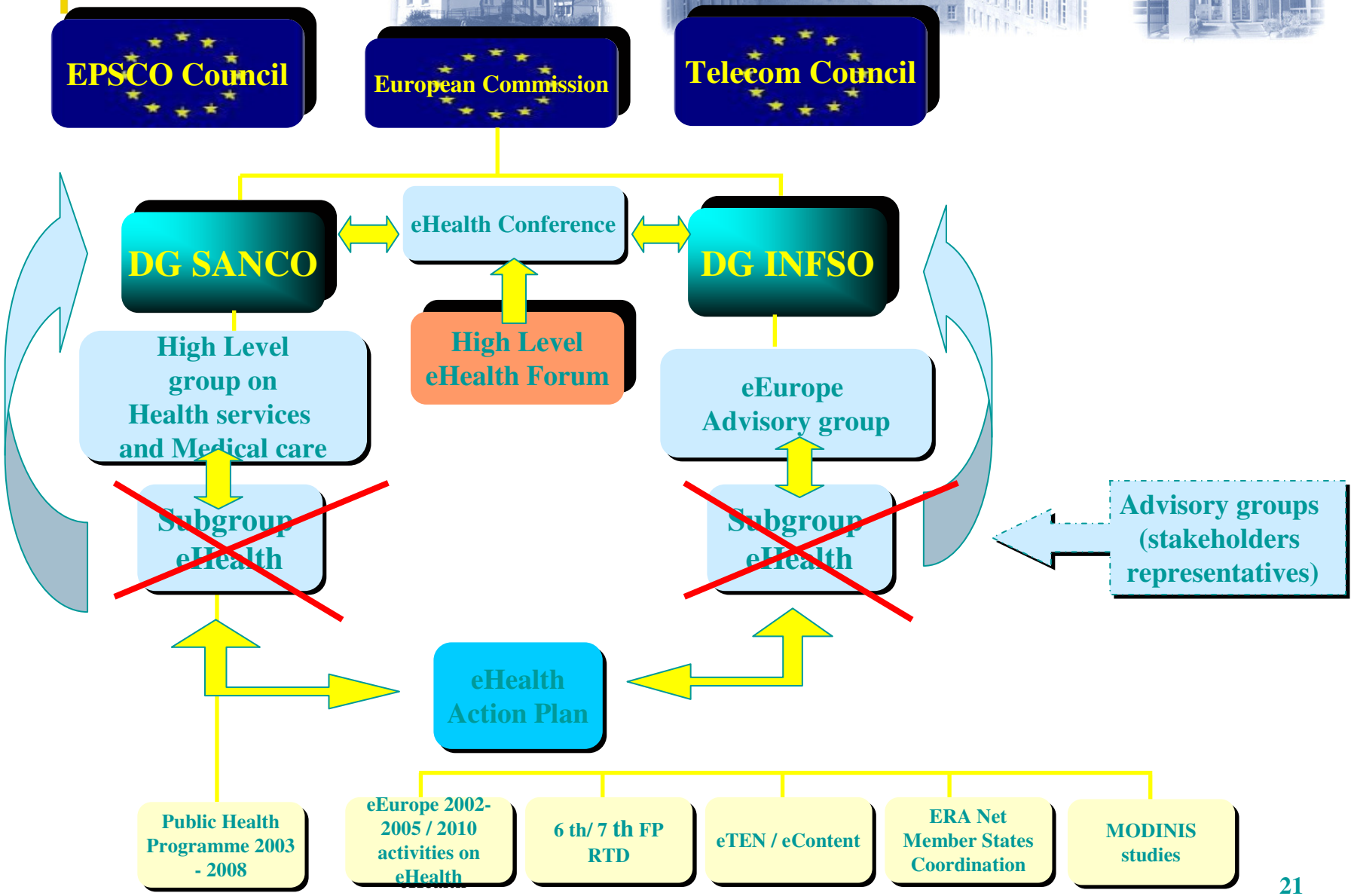
Coordination of eHealth Action Plan in Europe status April 2005



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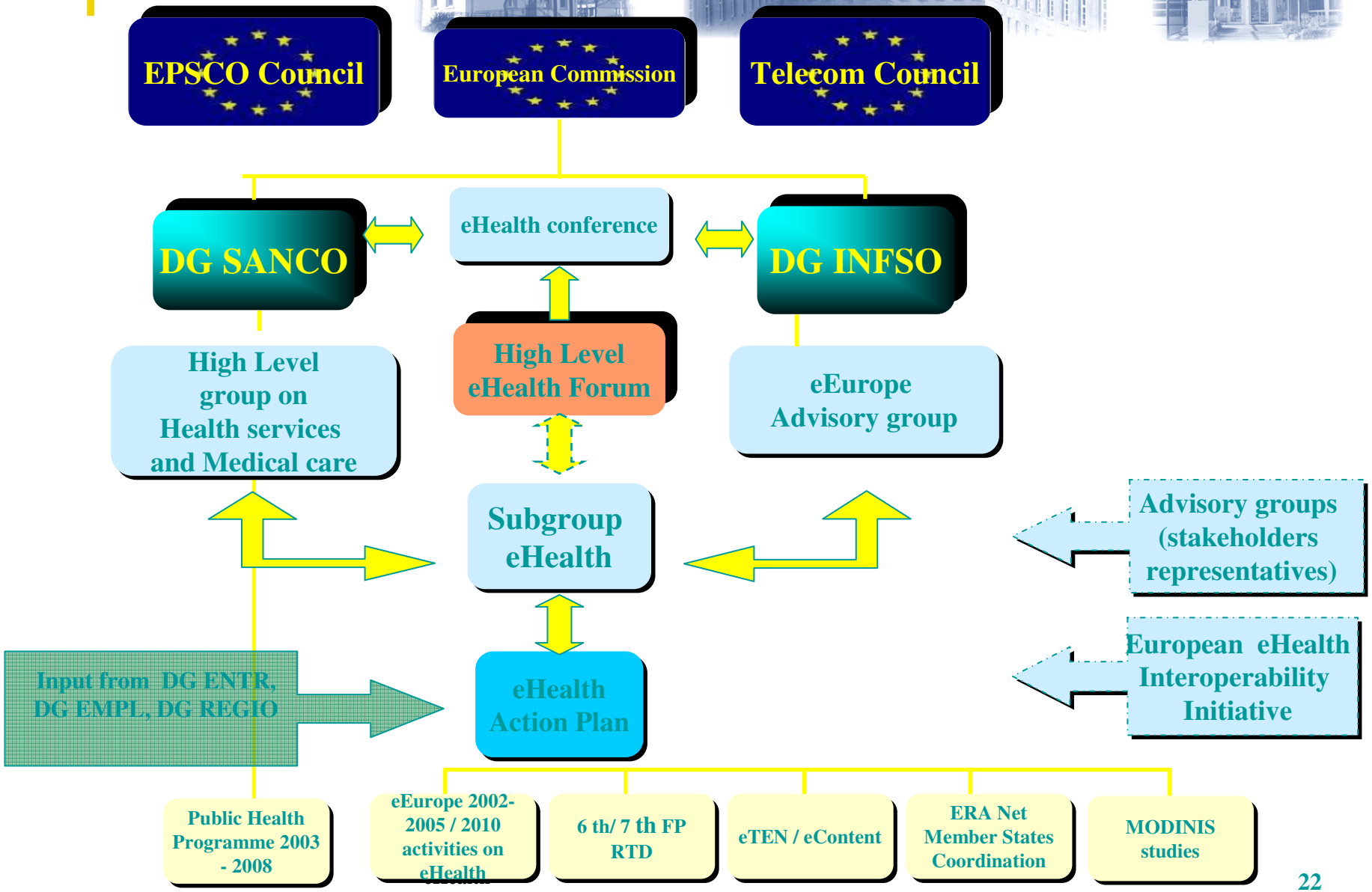
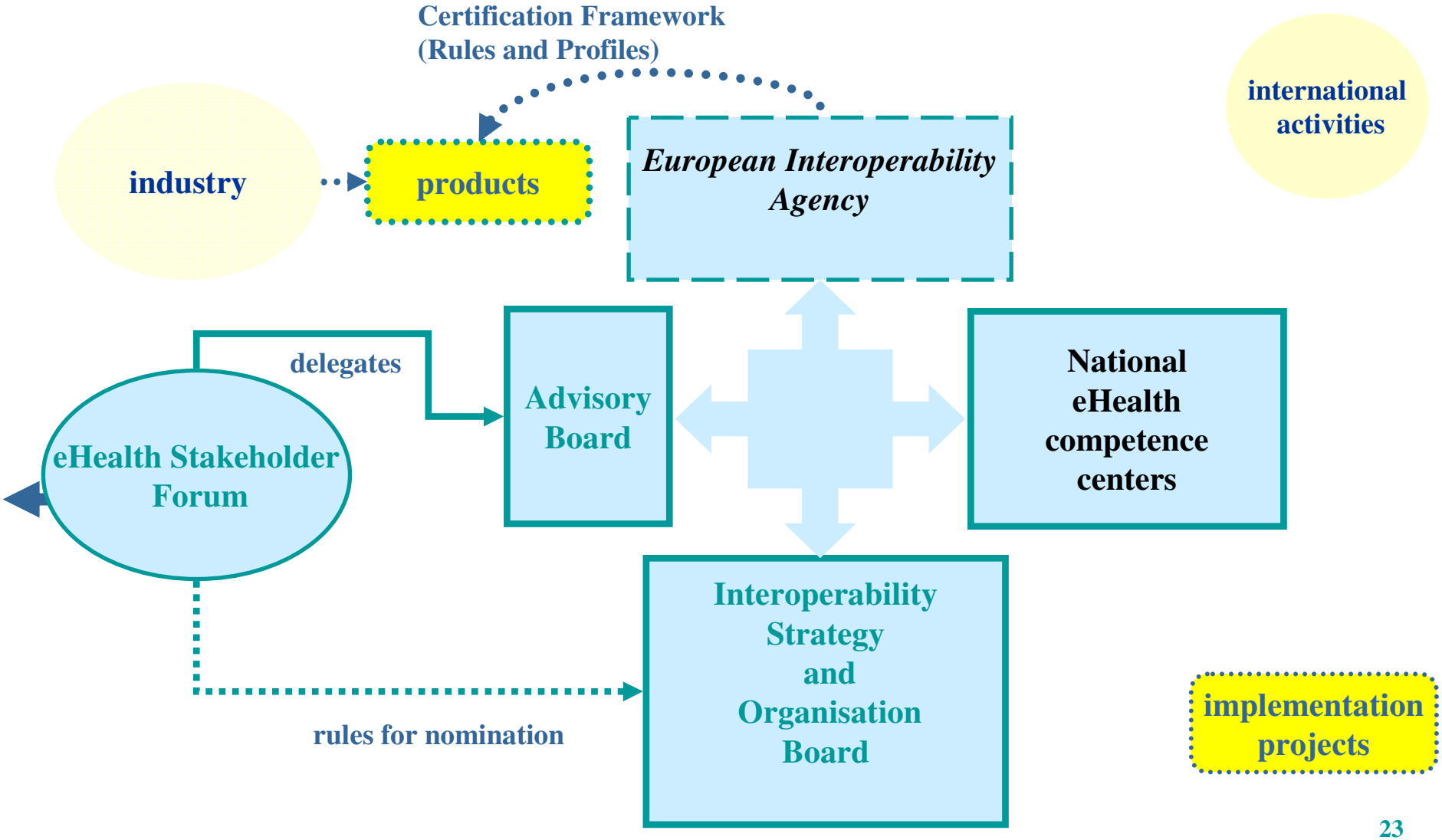
Coordination of eHealth Action Plan in Europe internal Commission view



Proposal for the future structure of the Interoperability Initiative



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Many thanks for your attention!

Do you have questions?

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