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European Commission

eHealth Interoperability- proposed activities

Brussels, 12th January 2006

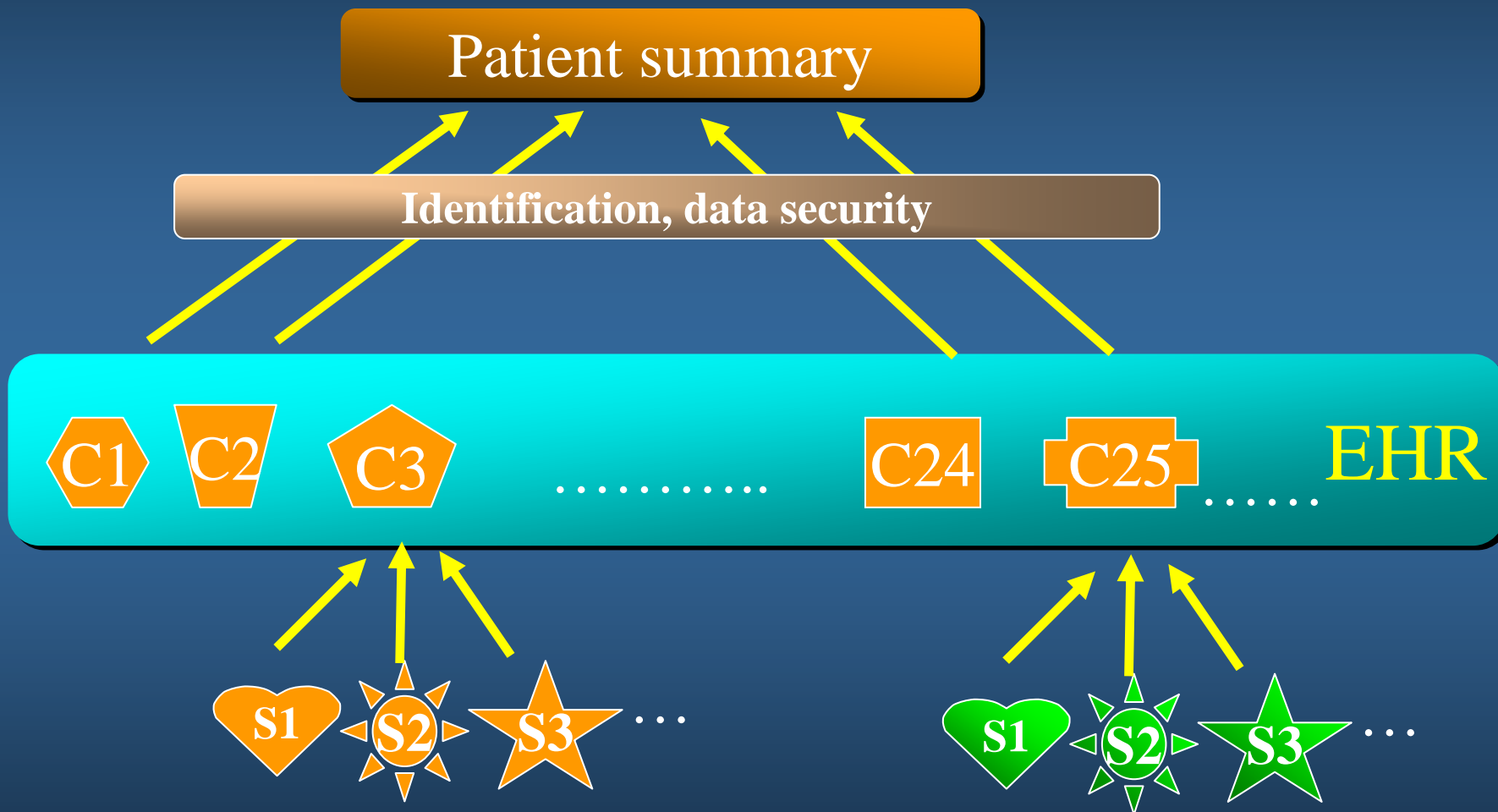
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- **eHealth Action plan main areas of activity**
- **Goal, rationale**
- **Specific topics**
- **Methodology**
- **Timing**
- **Discussion**



- **National/regional roadmaps (MS, 2005)**
- **Common approaches for patient identifier (EC+MS, 2006)**
- **Interoperability standards for EHR and messaging (EC+MS, 2006)**
 - TMA Bridge, I2Health, Semantic Health, RIDE, Semantic Mining...
- **Boosting investments in eHealth (MS, 2007)**
- **Conformity testing and accreditation (MS 2007)**
- **Deployment of health information networks (MS, 2004-2008)**
- **Legal framework, certification of qualifications (EC+MS, 2009)**

- A coordinated effort of all stakeholders accompanied by a large consultation of interested parties as well as implementation activities are necessary in order to agree on a **Recommendation on eHealth Interoperability**. The ultimate goal is to enable access to the patient's electronic health record, patient summary and emergency data from any place in Europe



Why

- Lack of interoperability is detrimental to the patients (lack of information, medical errors, limited mobility), health professionals (difficult access to health records), health managers (lack of economic analysis), researchers (reduced availability of medical data) as well as to industry, in particular to SMEs (reduced market share).
- R&D in eHealth has resulted in proofs of eHealth benefits, including financial.
- Local and regional pilots need to scale to support national and EU wide services.
- The eHealth Action plan calls for joint EU and MS action to find best approaches/guidelines on interoperability of eHealth systems by end of 2006.

Specific topics identified as a priority by eHealth WG can be fully explored by the Stakeholders group such as:

- **Patient summary**
- **Patient/practitioner identifiers**
- **Emergency data set**

including confidentiality and privacy issues as well as demonstration activities and contact with implementation authorities

- **The topics can be explored by mixed ad-hoc subgroups with the support of the Standard Development organisations.**
- **The participation to such WGs could be optional.**
- **Drafting activities are insured by the participants involved in research projects and studies.**

Economic and productivity Impact of eHealth study

Best practices study

Legal aspects of eHealth study

Patient identity study

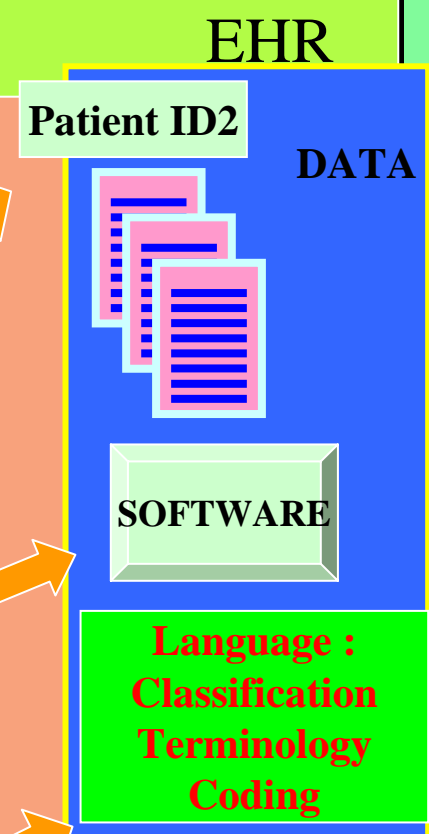
eHealth ERA NET

Certification EHR
Specific Support Action

I2HEALTH
Identification
doctors/patient
Messages/requests

ESO

SSAs
Semantic
Interoperability



mission



proposed organisation



ISO (CEN, CENELEC and ETSI) and international standards bodies (ISO)

Patient summary

Workshop

Patient Practitioner identifier

Emergency data set

Stakeholder group

National competence Centres

Demonstration activities

Public consultation



When



- Three meeting of the Stakeholder group till the end of March 2006.
- April 2006, publication of the **Commission staff working paper on interoperability.**
- **Further consultation** of relevant stakeholders through a public consultation will allow the refinement of the **Recommendation on eHealth interoperability** to be issued beginning of 2007.



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Roadmap after 2007?

(So what?)



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- **Developing further topics (ePrescribing, EHR interoperability including semantic, messaging)**
- **Harmonise legal framework**
- **Implementation of certification of applications**
- **Monitor implementation of Recommendation and the benefits (Impact studies, best practices portal)**
- **Support implementation (structural funds, CIP)**



- **Political /social aspects** – patient safety, mobility; incentives, political support, collaboration aspects, funding requirements
 - **Technical aspects** – architecture proposed, possible technical solutions
Semantic – terminology, language etc.
 - **Legal and organisational aspects** – data protection, confidentiality (+certification schemas)
 - **International aspects** – collaboration with US, Canada, Australia... ISO, WHO, ITU, ESA...
- **Technical annex on proposed standards**
 - **Annex on legal requirements**
 - **Annex on certification criteria(?)**



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Discussion