The Telematic Report to the High Level Committee on Health and the German Expectations towards the future Co-operation in the EU

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eHealth Kongress 2003 in Dresden - 22.10.2003

Mission Statement

➡ Review the introduction of informations and communications technology (ICT) in the health care sector, the factors promoting or inhibiting its development and areas where Community legislation could be beneficial

Considering particular applications of ICT in health, namely health cards, …….and provision of health-related information to health professionals and patients.

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Overlapping European Activities

a   eEurope Action plan 2002 (Feira Summit June 2000)

b   eEurope Action plan 2005 (Sevilla Summit 2002), including chapters on eHealth (establishment of ICT-infrastrucures and regional networks in member States)

c   Commission Document on Legal Issues in eHealth

d   Sixth Framework Programme (Information Society Technologies - IST)

e   Communication and Decisions regarding the European Health Insurance Card

f   Communication on Quality Criteria for health related websites

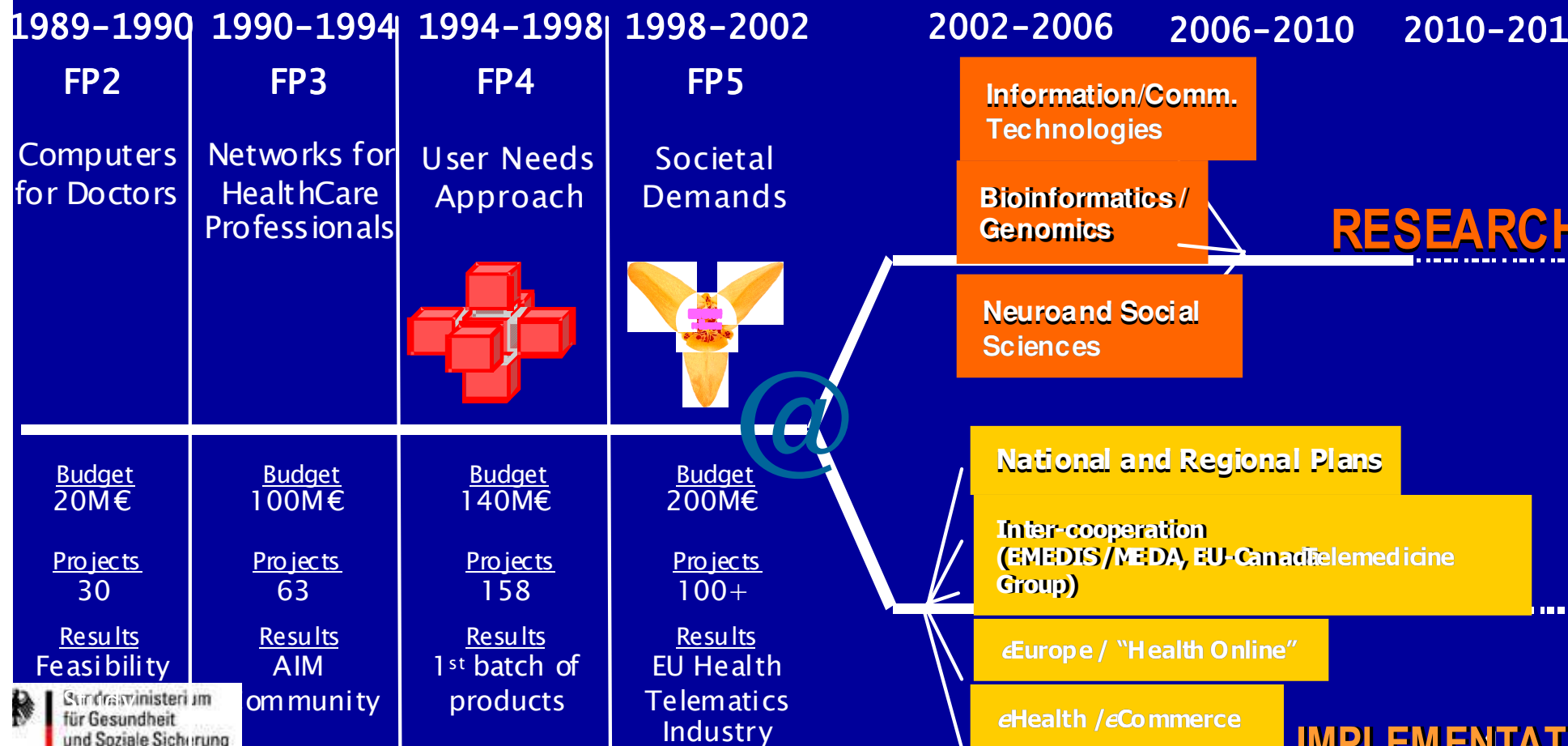# Evolution of EUROPEAN UNION RTD Programmes in
HEALTH TELEMATICS

from   *to*

PAST 10 years (1991-2000)

"**INFORMATION** for HealthCare"

FUTURE 10 years (2001-2011)

"**KNOWLEDGE** for Health"

1989–1990	1990–1994	1994–1998	1998–2002	2002–2006	2006–2010	2010–201
FP2	FP3	FP4	FP5			
Computers for Doctors	Networks for HealthCare Professionals	User Needs Approach	Societal Demands			

Information/Comm. Technologies

Bioinformatics/ Genomics

RESEARCH

Neuro and Social Sciences

Budget 20M€	Budget 100M€	Budget 140M€	Budget 200M€
Projects 30	Projects 63	Projects 158	Projects 100+
Results Feasibility	Results AIM Community	Results 1st batch of products	Results EU Health Telematics Industry

National and Regional Plans

Inter-cooperation
(EMEDIS/MEDA, EU-Canada Telemedicine Group)

eEurope / "Health Online"

eHealth /eCommerce

IMPLEMENTAT

Information Requirements of the Health Sector

➡ Information for citizens

➡ Patient education services

➡ Health Management Information

➡ Personal Health Data

➡ Decision support systems for health care professionals

➡ Life long learning for health care professionals

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The Vision of ICT:

➡ **Enabling new service models:**

➡ seamless care, shared care, tailored care, integrated care, mobile care, home hospitals, customer-centred care

➡ **and a new perspective for the patient:**

➡ at the center of a network of service providers „forming pathways of care" as s/he moves between institutions and care providers.

Todays reality is ...

➡ that within Europe none of this is yet possible ...

➡ the form of communication in health care is expensive, takes time and gives rise to failures because of errors, inaccuracies and incomplete availability or loss of medical information

The Consequence for Actions…..

➡ „The cornerstone of a system for sharing information about patients between care providers is the electronic health record (EHR), supporting advanced systems of electronic prescribing and medication mangagement"

➡ Interoperability

➡ „A secure platform is needed, incorporating the use of qualified electronic signatures and asymmetric encryption."

The legal responsebility

➡ **Member states**

➡ **International standards bodies (CEN, ISO)**

➡ **European Union (Article 152 of the Amsterdam Treaty**

- „Community action in the field of public health shall fully respect the responsibilities of the Member States for the organisation and delivery of health services and medical care"

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Recommendations

1 Ongoing support for the development of new applications in health under the Sixth Framework Programme managed by DG Information Society. *(„In future, however, project selection should be better informed by health policy issues.")*

2 Better means of assessing the cost-effectiveness of new technologies (also within the objectives of the new public health programme).

3 Exploring the possibility of developing European seals of approval for health-related web sites.

4 Concerted action at European and international level to achieve interoperable and secure IT systems within health care has to be coordinated, managed and resourced.

5 Forum in which Member States can meet and exchange experience in implementing ICT strategies in national health care systems.

6 ICT newsletter of the new public health programme.

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Description of key services

➡ The Electronic Health Record (EHR),

➡ archiving and legal rules.

➡ Electronic Prescribing and Medication Management.

Key Problems of Sharing Data

➡ Trust and confidentiality in an e-health environment

➡ Components in Security Systems

➡ Identifying the patient, the professional and the healthcare organisation as well as other service providers (Directive on a Community Framework for Electronic Signatures (99/93/EC)) (*alternative views of member states in patient identification and the use of biometrics*)

➡ Nomenclature: How to codify the data

Technological Solutions

➡ Migration from monolithic ad-hoc ICT architectures to an open environment

➡ Use of health cards as stand-alone carriers of health data, or as identification cards

➡ Recommendation of Card Enabled Networks (Combination of cards providing the means of accessing electronic networks)

➡ Documented standardized interfaces (on content, structures, formats and codifications)

➡ Open source

Europäische Gesundheitskarte (Barcelona)

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Health Telematics Working Group

of the High Level Committee on Health – Final Report 01/04/2003

EC, Health & Consumer Protection Directorate-General

Directorate G - Public Health

G 3 - Health promotion, health monitoring and injury prevention

Vielen Dank für Ihre Aufmerksamkeit

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eHealth Kongress 2003 in Dresden - 22.10.2003