

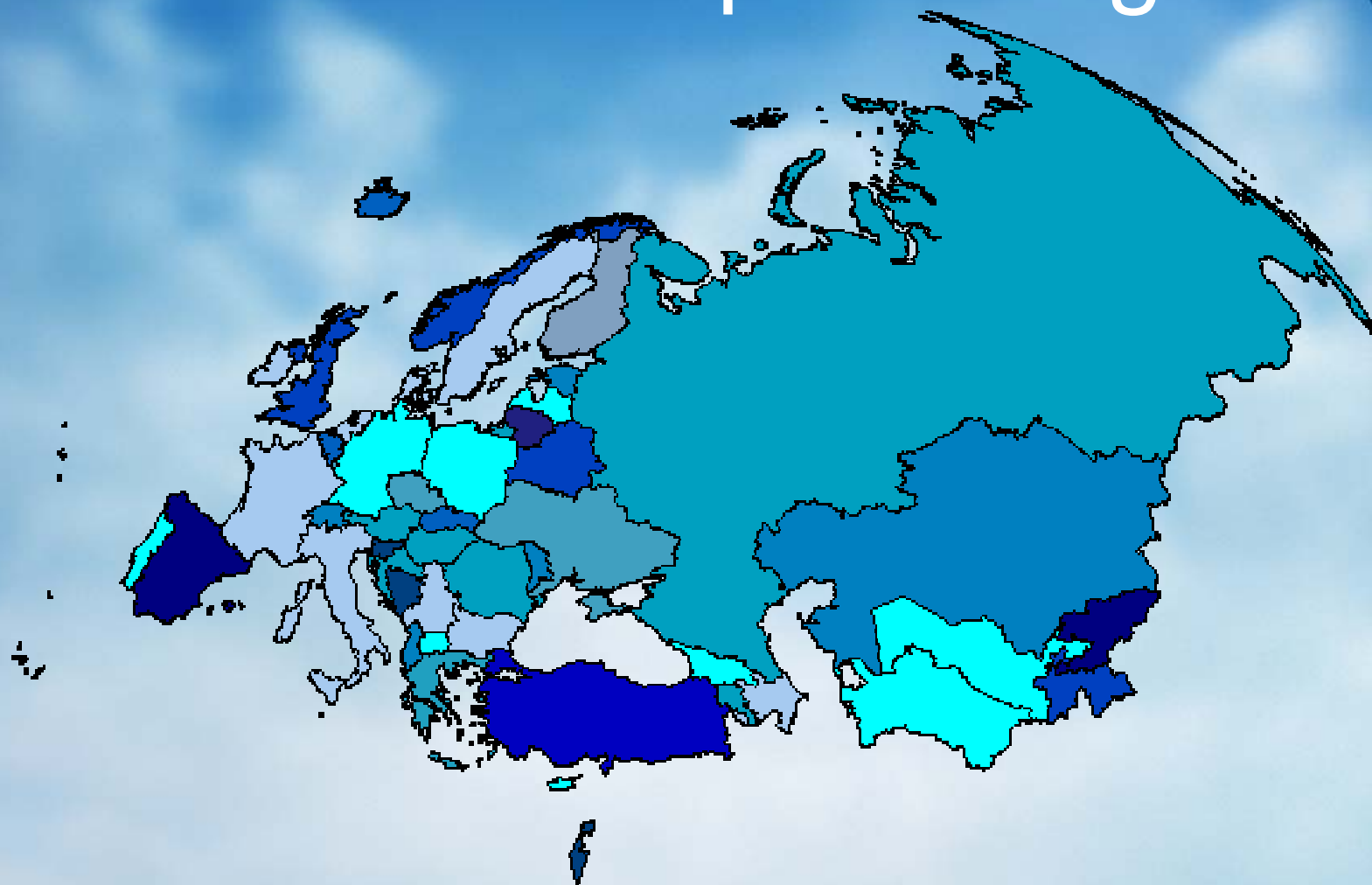
# eHealth for Health System Transformation Exploiting Opportunities

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# Agenda

- I. **eHealth as part of Health Systems**  
**What, Why, How**
- II. Member States Needs and eHealth Requirements
- III. Basic Principles
- IV. The Way Forward

# The European Region



8 Sept 2006

- approx. 870 million people in 52 countries
- annual expenditure on health per capita differs by a factor of 100
- life expectancy differs by 10 years

# WHA 58.28

## Resolution on eHealth



- Noting
  - potential impact of ICT
  - Applicability for low- and high-income countries...
- Urges Member States to
  - consider.... strategy, infrastructure, public/private partnership, centres of excellence, public health information...
- Requests DG to
  - promote internet collaboration on compatibility and ethics
  - use ICT solutions
  - create model solutions and provide technical support

# Vision and Approach



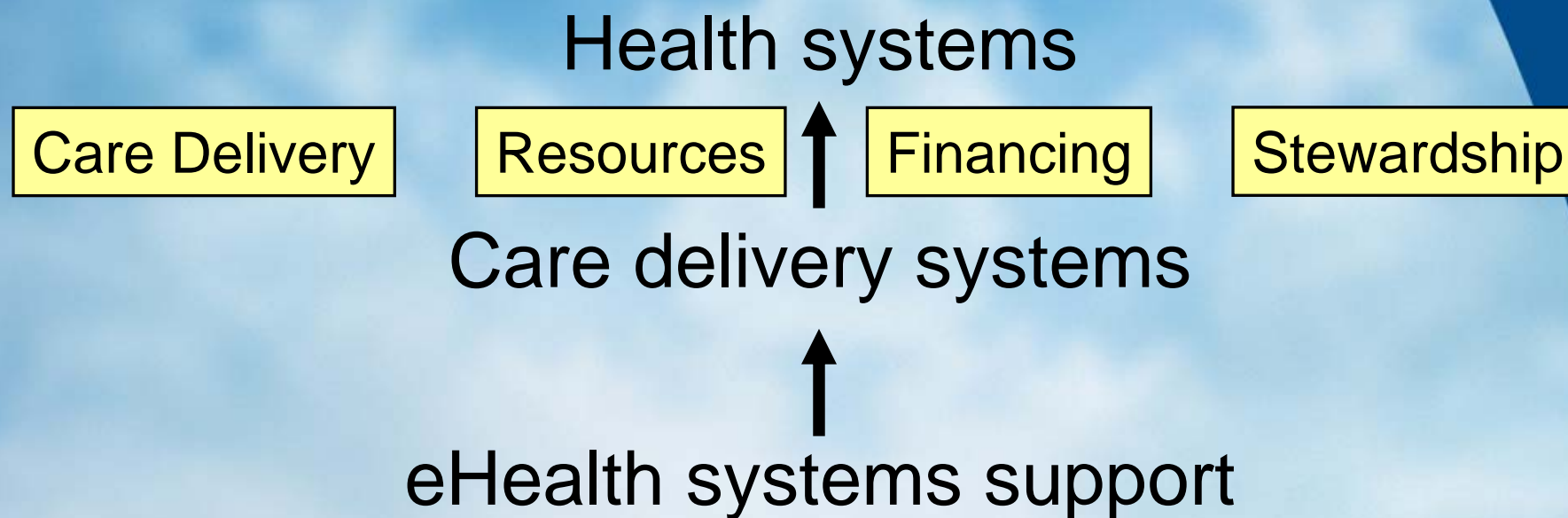
## EU suggested FP7 actions lines

- Personal health systems
- Bioinformatics and virtual physiological human
- Health risk management and patient safety

## WHO actions lines

- National health systems, millennium development goals
- National health information systems, support to policy and decision makers
- Population risk management, surveillance & monitoring

# eHealth in Context



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# Sources of Information



1. Collaboration agreements in Europe (29 +)
2. Global eHealth survey 'questionnaire to 192 countries' - 50% response



# Analysis of collaboration agreements

**Stewardship** • national medicines monitoring systems (82%)

- surveillance systems (69%)

**Financing** • health information systems (46%)

- links for resource allocation (11%)

**Capacity Building**

- national human resources strategy (25%)

- capacity building HC professionals (96%)

- campaigns for citizens (18%)

**Service Delivery**

- linking primary care (75%)

- quality, patient safety (61%)

- communication for crisis management (50%)

- access for vulnerable groups (36%)

# Global eHealth survey



- + 50% of WHO MS
- + 50% of EURO MS

1. Enabling environment - policies & strategies
2. Infrastructure - access to ICT
3. Content - access to information and knowledge
4. Cultural and linguistic diversity, and cultural identity
5. Capacity - human resources knowledge and skills
6. National centres for eHealth
7. eHealth tools and services

# Member States, Needs and eHealth Requirements



## Diversity of Member States

- Economy
- Technology
- Infrastructure
- Health

# 3 groups like in all WHO regions



## EU15 + EFTA countries (legacies)

- long established health systems → hard to change
- resource rich – national funds
- cross-border interoperability, change management, patient safety

## EU10 + 4 accession countries (leapfroggers)

- not bound to legacy health systems → quick adoptors
- resources medium – ID and national funds
- Legal and ethical considerations

## Non EU Member States (pilots)

- not bound to legacy health systems → not e-ready
- resource scarce – ID funds → little sustainability
- rapid, rather uncoordinated growth, unreliable utilities

# Drivers for Change

## EU + accession

- aging population → chronic conditions
- educated and demanding and mobile citizens
- demands of higher quality of care & consumerism
- foreseen shortage of health professionals
- rising costs of care
- increases in capacity /decreases cost of technology

## Non-EU

- prevalence of communicable diseases
- need for early warning systems
- decaying physical and organizational infrastructures
- capacity building / threat of professional brain-drain
- data, info, knowledge on performance, cost, quality

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# Basic Principles

- Implementations must be need driven
- Realistic Budget including training
- Change Management
- User Involvement
- No isolated information islands
- Follow Standards

# Data Security, Ethical, Legal Considerations



- Council of Europe- Rec(2004)17
- EU Directive on Data Protection 95/46
- OECD, WHO
  
- Recommendations on Use of Internet
- Infrastructure – Connectivity
- Adherence to Standards



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# WHO Euro is a facilitator

For MS to create strategies,  
partnerships and business  
plans

- eHealth as integral elements of health systems
- Needs analysis → appropriate solutions

# WHO-EURO focus



- Wholistic and Affordable strategies
- Setting the rules of the game
- Trusted content provider
- Assessment tools
- Matchmaking
- Promoting interoperability
- Digital divide

# WHO-EURO and Partners



Governing Bodies- EU, and Member States

International Organizations- ITU, ESA

Financing Organizations- World Bank, EBRD

Private Stakeholders

Collaborating Centers- NST

EHTEL-like groups, ECDC

NGOs



# Understood that

eHealth is a tool which should be  
used where appropriate

The aim is Health, not eHealth