Europe: TM-Alliance, facilitating e-Health Interoperability

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eHealth: The European Case

o European Union:

- Strong legal infrastructure/ Protection of Privacy Rights
- Parallel non-coordinated technical developments
- Good Medical Care Delivery
- Population aging

o Different Countries:

- Cultural/Regional/Medical Infrastructure
- Maturity level in Health Telematics

The need for interoperability

o Right of freedom of movement within EU
  - Right to receive the necessary health care
o Obstacle for Investments
  - Risk to loose previous incompatible solutions
  - EHR
  - Critical Mass
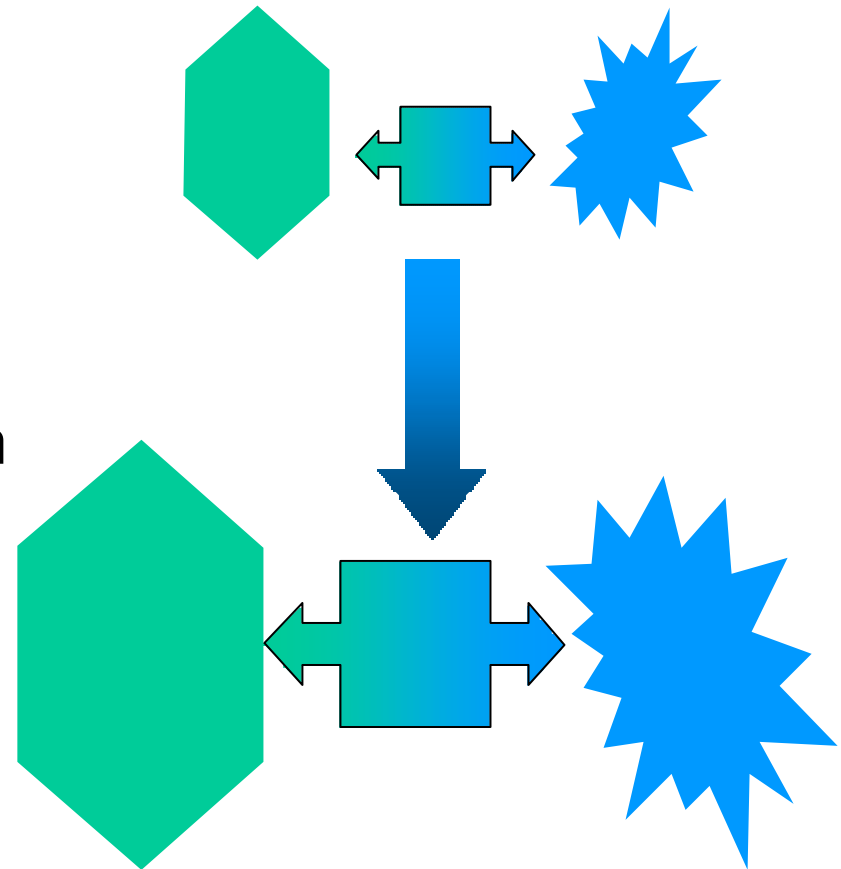o Ensuring the quality of care
o Distribution of the points of care

The echelons of interoperability

o Interoperability in:

- Technical standards
- Medical procedures
- Organisational protocols
    - reimbursement, certification
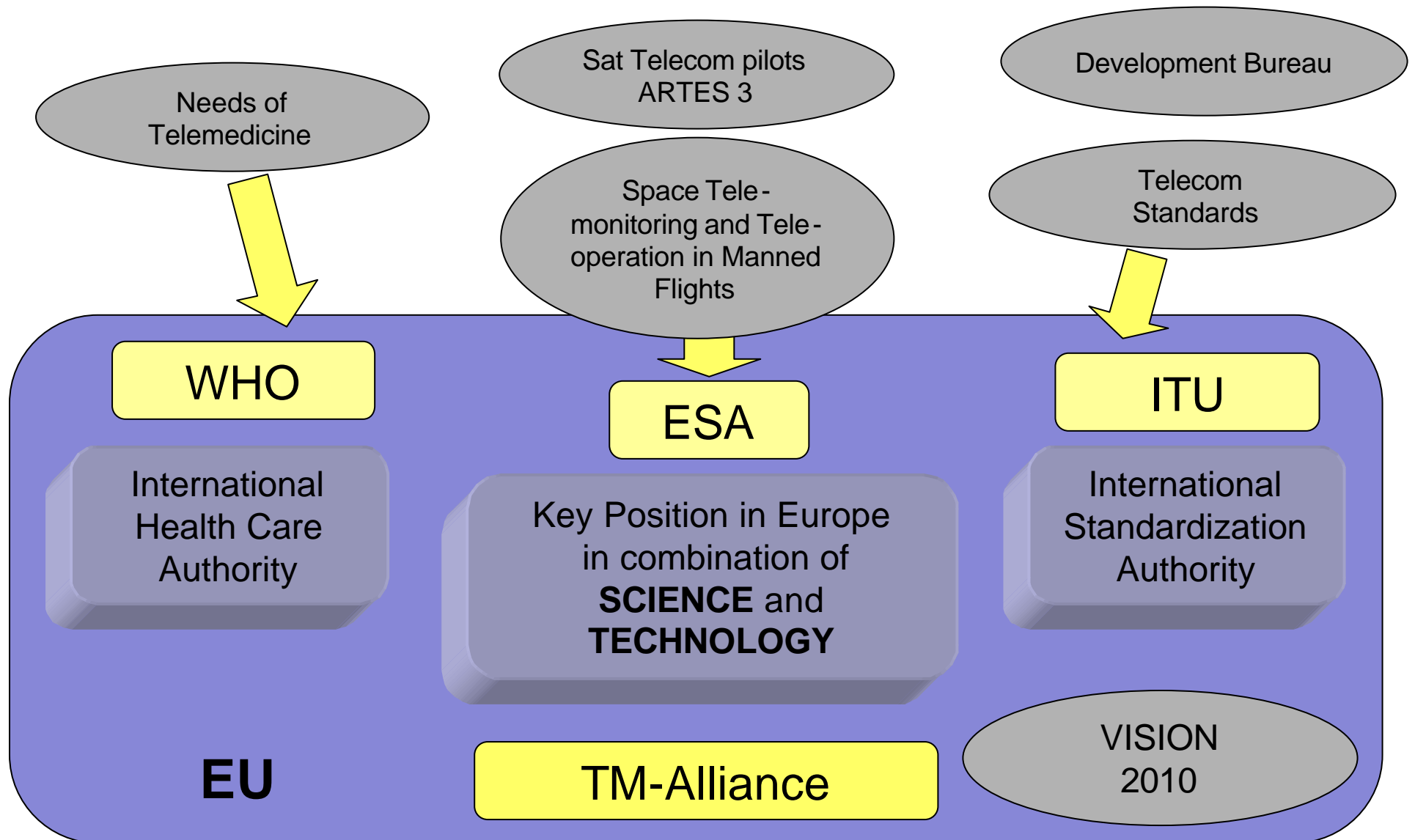- Legal framework
- Political decisions

Time??????

TM-Alliance

Human Spaceflight
SPACE FOR LIFE

Needs of Telemedicine

Sat Telecom pilots ARTES 3

Development Bureau

Space Tele-monitoring and Tele-operation in Manned Flights

Telecom Standards

WHO

ESA

ITU

International Health Care Authority

Key Position in Europe in combination of **SCIENCE** and **TECHNOLOGY**

International Standardization Authority

EU

TM-Alliance

VISION 2010

TM-Alliance and Interoperability

o **Gathering** multidisciplinary and international experts for the **definition** of Interfaces

o **Promoting and facilitating consensus**

o **Disseminating** the agreements among the national policy makers, mass media and general public.

ITU Workshop on Standardization in E-health

TM-Alliance and Interoperability

"There is a risk that existing important results of the European standardization efforts in this area are not taken up simply because they are not always known, neither to buyers nor to suppliers.

*The use of experts to produce standards does not ensure **dissemination** to the wider community; only adequately resourced, technically expert, publicists can ensure this."*

Market, environment and objectives of CEN/TC 251 (2000)

ITU Workshop on Standardization in E-health

TM Alliance Workshop:
Electronic Cards in Citizen Health Care

esa
ITU
Information Society
WHO European Office for Integrated Health Care
Barcelona, 13-15 March 2003

ITU Workshop on Standardization in E-health

ESA: Satellites and Telemedicine

o Earth Observation

o Navigation and Positioning

o Communications

ITU Workshop on Standardization in E-health