



Virtual Hospital for global eHealth

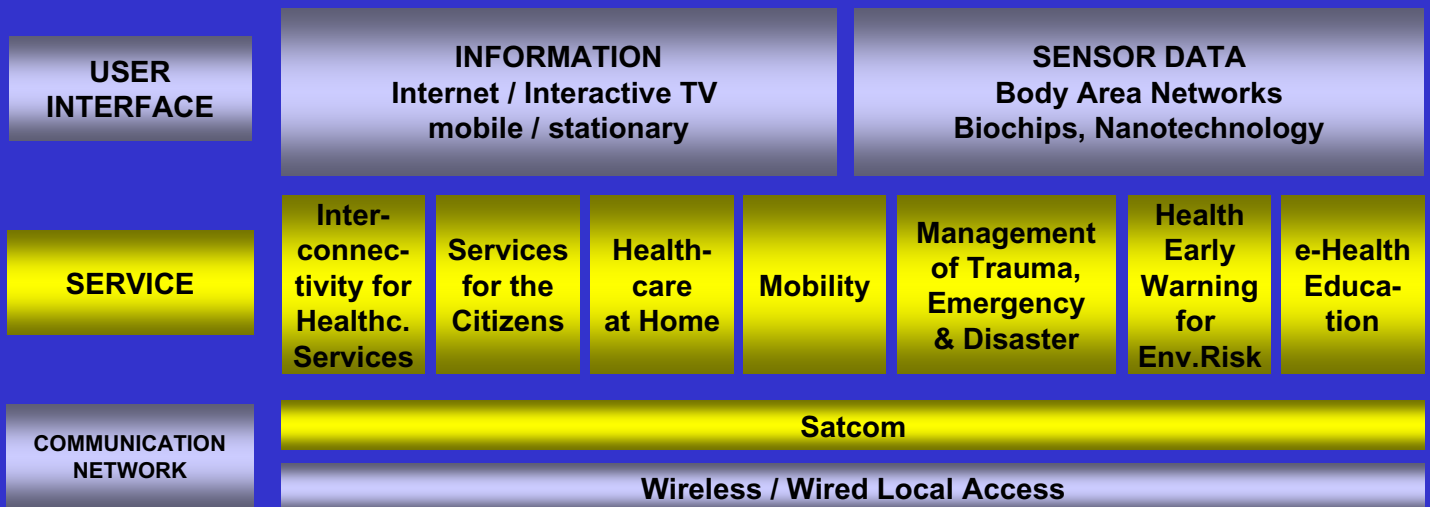
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SRU OP 2000, MDC/RRK, Charité, Berlin**

**Call 6 Information Day on International Cooperation
„Digital Broadcasting/Mobile Convergence“,
27. of January 2006, Brussel, Belgium**



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eHealth and Telemedicine today



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Networks for global Health Bridging the Digital Divide

GALENOS

Generic Advanced Low-cost trans-European Network Over Satellite
Project carried out with the support of the European Union

64 kbps to 2 Mbps

Bi-directional exchanges

Pilot network in the field of medicine

- Tele-consultation
- Tele-diagnosis
- Tele-monitoring

Logos: telespazio, MERIT, Demokritos, ALCATEL, EUTELSAT, NORTEL DASA

NETWORK OVER SATELLITE

EMISPHER logo

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Digital Broadcasting and Interactive Applications for improved eHealth services at home (homecare)

- ‘Aging society’ and social changes demand for new ways of care delivery
- Healthcare at home through ICT promises
 - Benefits to citizens and patients (esp. disabled and those with chronic diseases)
 - Huge economic potential because it relieves the strained health care system
- Homecare services must enable patients to stay at home and to participate in their usual community for as long as possible

⇒ Realization through digital TV broadcasting and interactive applications



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Digital Broadcasting and Interactive Applications for improved eHealth services at home (homecare)

- Telecare systems must be intelligent, user-friendly, reliable fault-tolerant and secure
- Components for health care at home comprise
 - intelligent houses
 - personal assistants
 - emergency services
 - positioning devices
 - monitoring services



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Digital Broadcasting and Interactive Applications for improved eHealth services at home (homecare)

- Satellites offer unique opportunity to incorporate homes in isolated areas
- A comprehensive health network gaining 100% coverage by bridging gaps of terrestrial networks
- Positioning services provided by satellites extend home to the mobility radius of the respective citizen



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Digital Broadcasting and Interactive Applications for improved eHealth services at home (homecare)

- Today's user of health care system is more active, better informed, more demanding, less deferential to professionals
- Citizens worldwide are using ICT to interact with others about their health
- Key issue: improve access to information, emerge technologies for mass broadcast of public health information / education (digital TV)

⇒ **Development of Services for Citizens**



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Digital Broadcasting and Interactive Applications for improved eHealth services at home (homecare)

- eHealth can play a very important role in service provision through eCare for citizens who move by improving access to records and to their own physicians and diminishing language and cultural barriers
- eHealth and Telemedicine have the potential to provide an important impact on facilitating the mobility of citizens

⇒ **Support of Mobility**



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Digital Broadcasting and Interactive Applications for improved eHealth services at home (homecare)

- European cooperation to enable better use of resources (eAdministration, eLearning)
- Information requirements for patients, professionals and policy makers (eSurveillance)
- European contribution to health objectives (eCare)



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Homecare Services in Latin-America

Interdisciplinary Cooperation for:

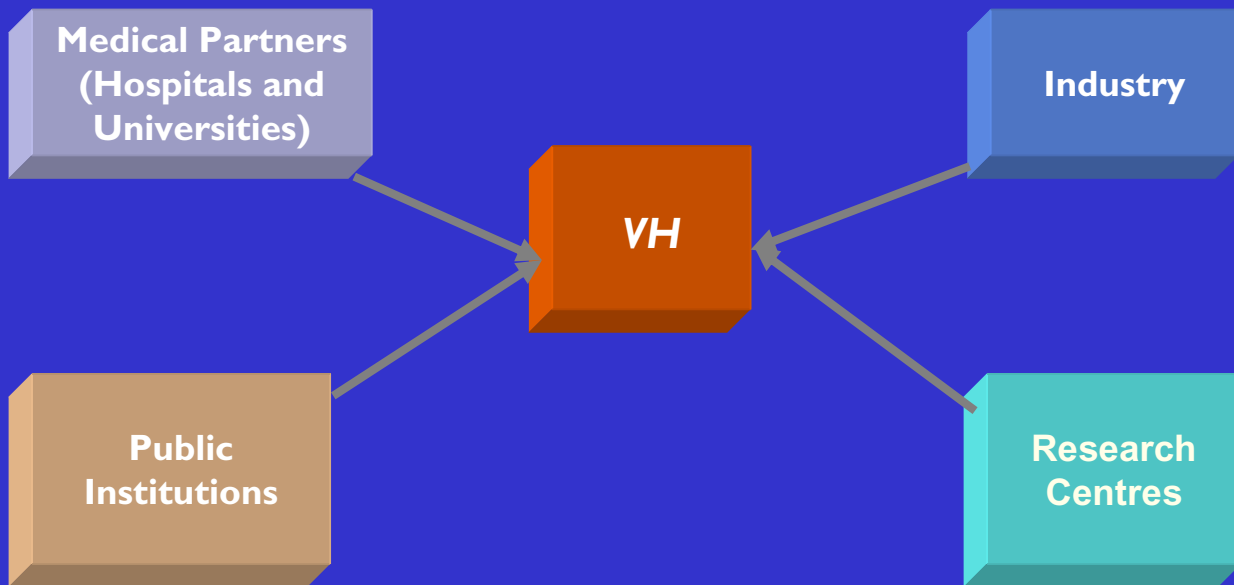
- Virtual Hospital
 - Digital Broadcasting and Interactive Applications for improved eHealth services at home (homecare)
 - Development of Services for Citizens
 - Support of Mobility

Realization through digital TV broadcasting and interactive applications

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The VH Consortium constitutes an original partnership between Health care professionals and industries for the delivery of telemedical services for global health care



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