

# Towards sustainable & personalised healthcare



## *ICT FP7 - Challenge 5*

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### Personal Health Systems (*Obj.5.1*)



- ✓ Ubiquitous Person-centric care
- ✓ Wearable, implantable, portable systems
- ✓ Non-/minimally-invasive health monitoring & management

### Int'l Cooperation on VPH (*Obj.5.4*)



### Patient Safety (*Obj.5.2*)

- ✓ Safer surgery (*e.g. Computer-aided surgical intervention*)
- ✓ Integration of clinical research & clinical care (*e.g. EHR*)
- ✓ Early detection of public health events (*e.g. Datamining*)

### Virtual Physiological Human (*Obj.5.3*)

- ✓ Computer modelisation of human organs & body
- ✓ Patient-specific computer-based model & simulation

## Potential EU-RoK Cooperation Projects on ICT for Health Research

### Int'l Cooperation on VPH (*Obj.5.4*)

- ✓ Interoperability
- ✓ Tools & services for global cooperation
- ✓ Contribution to global validation framework



### Personal Health Systems (*Obj.5.1*)



- ✓ Korea u-Health's concept
- ✓ Interoperability of personal health system
- ✓ Telemedicine with innovative approaches



### Virtual Physiological Human (*Obj.5.3*)

- ✓ Patient-specific computer based models & simulation
- ✓ ICT tools, services & infrastructures for biomedical researchers

### Patient Safety (*Obj.5.2*)

- ✓ Global early detection of public health events
- ✓ Int'l approach to interoperability & ethical reuse of EHR data
- ✓ Mutually recognisable Certification systems

**Personal Health Systems** (*Obj.5.1 - ICT-2009-Call 4, deadline: 1.04.2009. Total budget: €63M*)  
**€62M for Minimally-invasive systems & ICT-enabled artificial organs ; Mental Health**

✓ **€1M for Diseases prevention & Interoperability of PHS**

**Patient Safety** (*Obj.5.2 - ICT-2009-Call 4, deadline: 1.04.2009. Total budget: €30M*) **27M for€**  
**Safer surgery ; Integration of clinical research & clinical care**

✓ **€2M for Early detection of public health events**

✓ **€1M for State-of-the-art & research roadmaps**

**Int'l Cooperation on VPH** (*Obj.5.4 - ICT-2009-Call 4, deadline: 1.04.2009. Total budget: €5M*)

✓ **Interoperability**

✓ **Tools & services for global cooperation**

✓ **Contribution to global validation framework**

**Virtual Physiological Human** (*Obj.5.3 - ICT-2009-Call 6*)

✓ **To be published for 24th November 2009. Deadline: 13th April 2010. Total budget: €63M**

**Thank you for your attention !**

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**[http://ec.europa.eu/information\\_society/ehealth](http://ec.europa.eu/information_society/ehealth)**

**<http://cordis.europa.eu/fp7/ict/programme>**

