

HIPERMED (High PERFORMANCE teleMEDicine platform)

Basel 18th November 2014

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Key Points

A large, stylized black graphic on the left side of the slide, resembling a leaf or a flame with a long, thin stem and a larger, curved top section.

❖ HIPERMED Awards

❖ HIPERMED Achievements

❖ Key Success Points



HIPERMED
Awards



Celtic-Plus Award winners 2014

At the Celtic-Plus Event in Monaco another 4 very successful projects received Celtic-Plus Awards 2014:

- [4GBB](#) received the Celtic-Plus Innovation Award
- [EO-Net](#) the Celtic-Plus Gold Award
- [HIPERMED](#) the Celtic-Plus Silver Award
- [ENGINES](#) the Celtic-Plus Bronze Award





EUREKA INNOVATION AWARD 2014

innovation across borders



For the first time in the history of EUREKA Innovation Awards, all partners in EUREKA projects concluded since 2010 were asked to self-nominate their own project.

The following three finalists received the first place in the three categories:

- **Added-value:** Celtic CP7-007 HIPERMED, designed an open telemedicine platform based on a unified Service Oriented Architecture (SOA) providing media services, SIP-based control plane services and network services over the Internet Protocol.
- **Competitiveness:** PRO FACTORY E!5063, centers on introducing lightweight technology in framing stations to be able to reduce investment cost, improve flexibility and improve productivity.
- **Innovators of tomorrow:** Eurostars E!5514 EMSAT, aims to enhanced Monitoring and Simulation Assisted Tunnelling. The project EMSAT develops a system continuously (online) producing and providing monitoring and simulation data relevant for a safe and economic tunnel construction during the excavation with a Tunnel Boring Machine (TBM).



HIPERMED Achievements



First Cross-Domain Project



❖ 5 SME's



❖ 3 Industries



❖ 1 Telco



❖ 5 Research,
Universities,
Hospitals



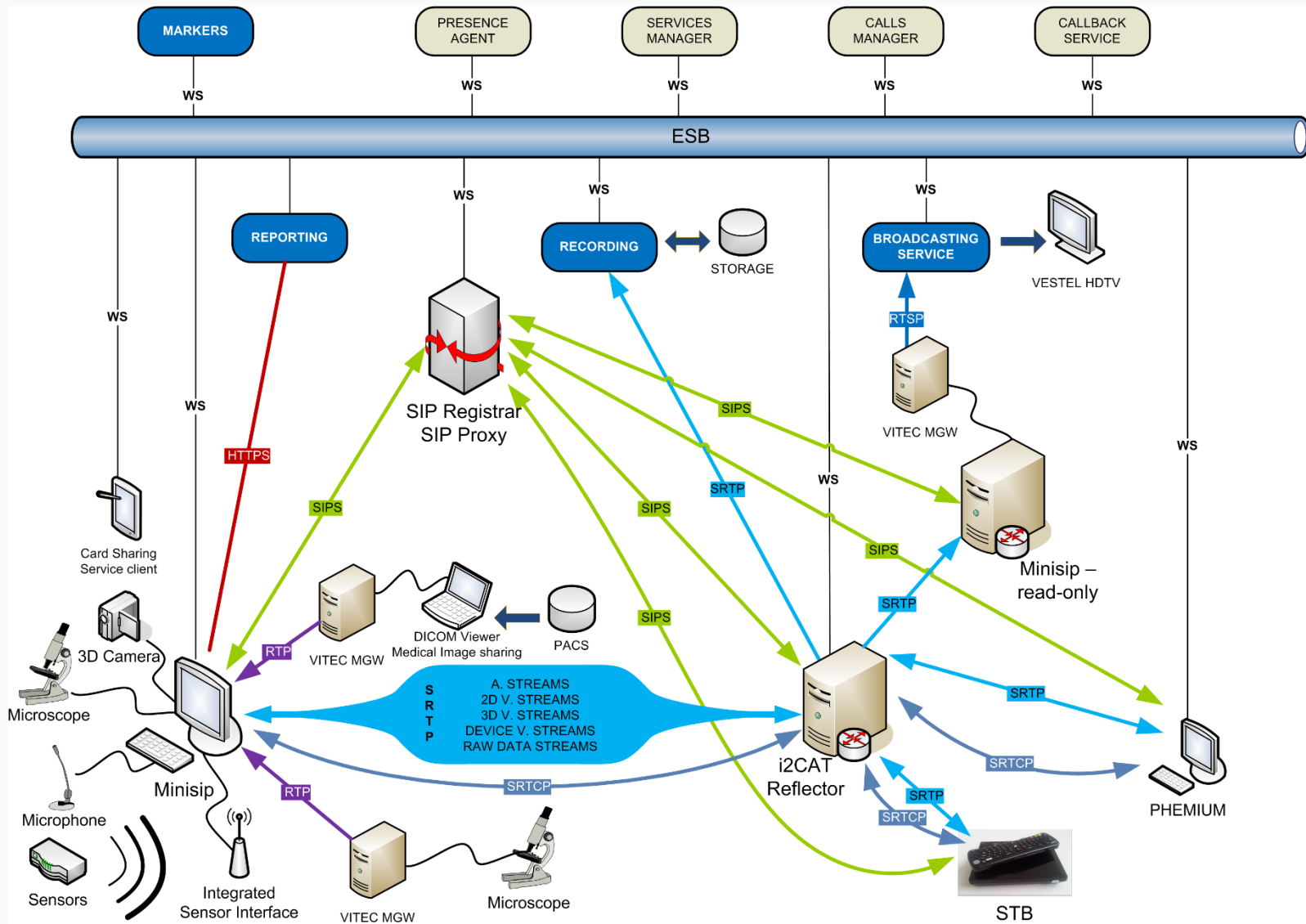
International Cooperation is a MUST



External Final Users Validation



One Common OPEN Platform




Tested in 5 scenarios with 5 subscenarios



Professional to Professional Scenarios



Remote consultation
3 Sub scenarios




Tele burn emergency
2 Sub scenarios

Professional to Patient Scenarios



Knee Rehab



Speech Training



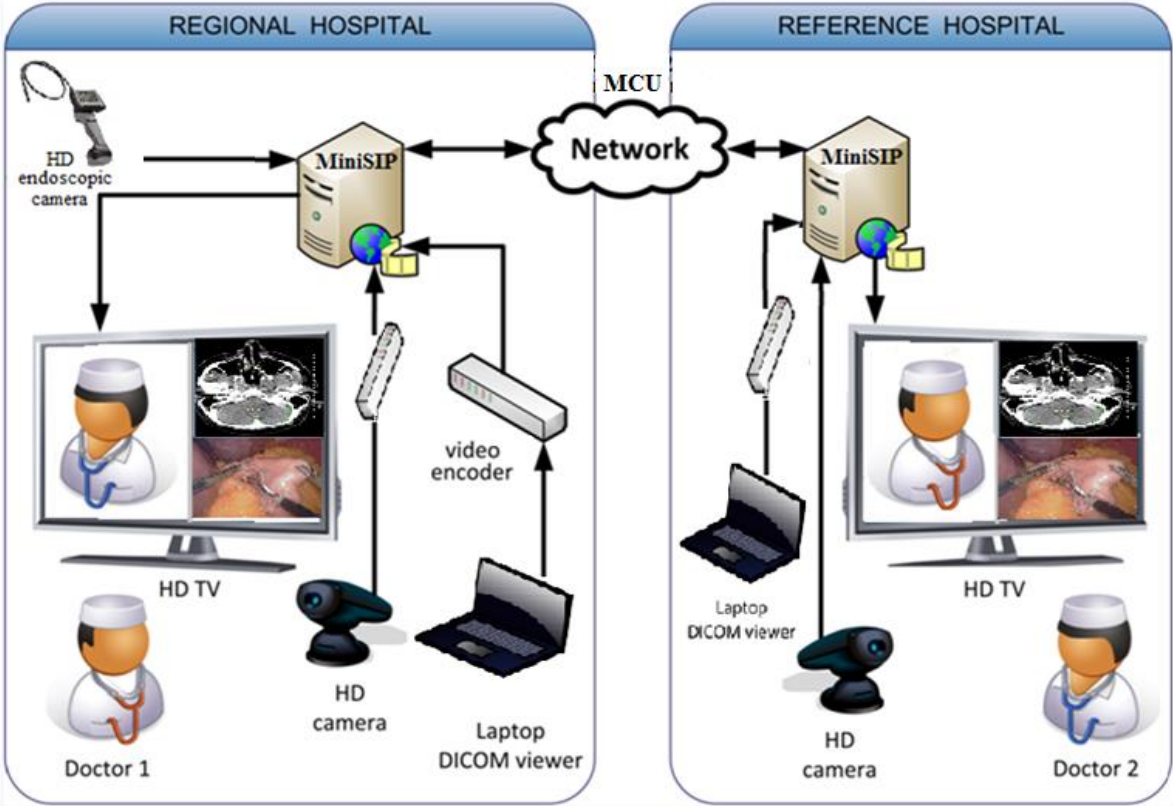
CardioRespiratory
Rehabilitation

with a common Validation Methodology involving final users

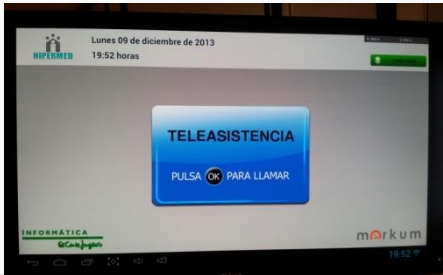


- ❖ People involved in the Validation Phase
 - ◆ 42 - Technical Validation
 - ◆ 36 Technicians / 6 Doctors
 - ◆ 55 - Clinical, Functional & Usability Validation:
 - ◆ 4 External Technical Professionals
 - ◆ 26 Professors and Doctors
 - ◆ 14 Interns and Students of Medicine (from 3rd to last year students)
 - ◆ 11 Real Patients
 - ◆ 14 Acceptability of Video Quality Validation:
 - ◆ 14 Professors and Doctors

Professional to Professional Videoconferencing System



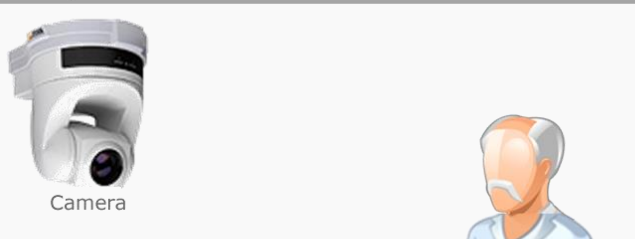
Professional to Patient Videoconferencing Systems



Sensor Rehabilitation System



Gym



Exercises



Pulsometer



Vital signs



Gym coach



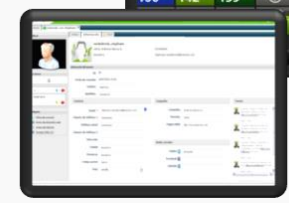
Smartphone



Patients' home



Web teleconsultation



Specialist
physioterapist





Key Success Points



Key Success Points



- ❖ Partners compromise on the project vs unexpected events
 - ◆ Able to work self-funded
 - ◆ Able to assume other partners activities
- ❖ Identify and Focus on Project Stakeholders (PA's, SME's, Industry, Research Centres, Final Users, Validators) common objectives':
 - ◆ Focus on Dissemination:
 - ◆ Prototypes and Field Trials,
 - ◆ Conferences, Demos, Journal Publications, Conference Papers
 - ◆ Focus on Project Results Protection and Standardization:
 - ◆ Patents, Trademarks, Registered designs,
 - ◆ Contributions to Standards and Standard Implementation,



Key Success Points



- ❖ Identify and Focus on Project Stakeholders (PA's, SME's, Industry, Research Centers, Final Users, Validators) common objectives':
 - ◆ Focus on Final User's Needs and Project Results Exploitation:
 - ◆ Cross-domain cooperation: Developers + Validators + Final Users
 - ◆ New/improved products/services
 - ◆ Agreements/Companies to commercialise the results,
 - ◆ ROI for both Companies and Research Centres.
 - ◆ PhD/Master Thesis contributing/using project results
 - ◆ Focus on Employment maintenance and creation, spin-offs



HIPERMED

Thank you!
Questions?



CELTIC
Telecommunication Solutions

