

Increasing Role of PPP in the ICT Ecosystem

iHomeLab – successful example of PPP in the ICT applied research

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iHomeLab



iHomeLab – Research Laboratory Showcase



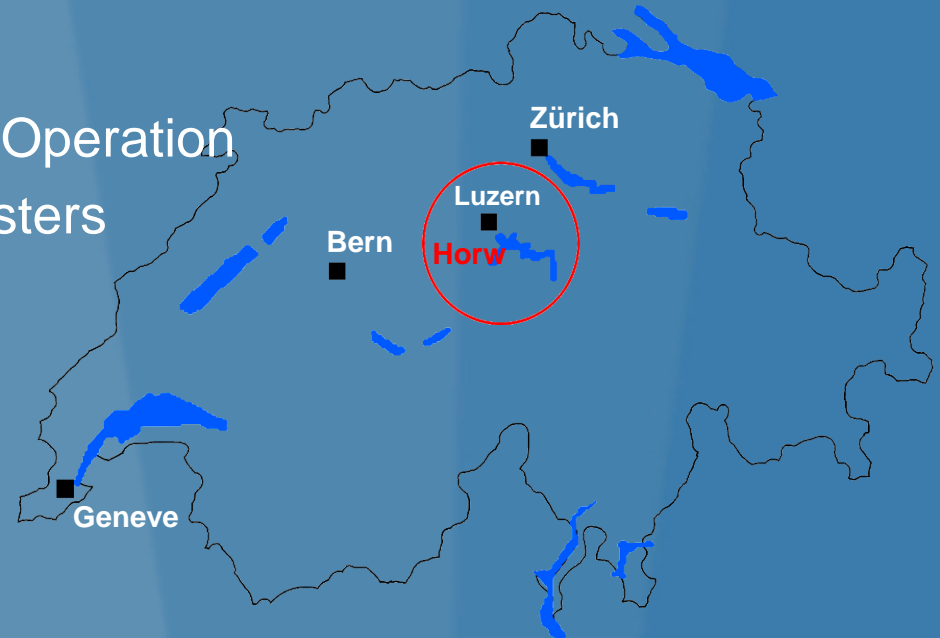
Facts and Figures

Our focus:

- Applied research projects
- Building Intelligence Showcase Operation
- Education of Bachelors and Masters
- Certification Services

Organization profile:

- Type: public non-profit
- Staff: 18 Researchers, 1600%;
- Annual turnover : ca. 2.6 MCHF, >70% from 3rd parties;
- Network: >100 industrial, academic and governmental partners
- Memberships: IEEE, ENOLL, AALOA, ZigBee Alliance, IPv6 Swiss Council, KNX Scientific, IEA 4E



Applied Research Topics

„The Building as a System“

Building Intelligence

Energy Efficiency

Ambient Assisted Living

Human Building Interaction

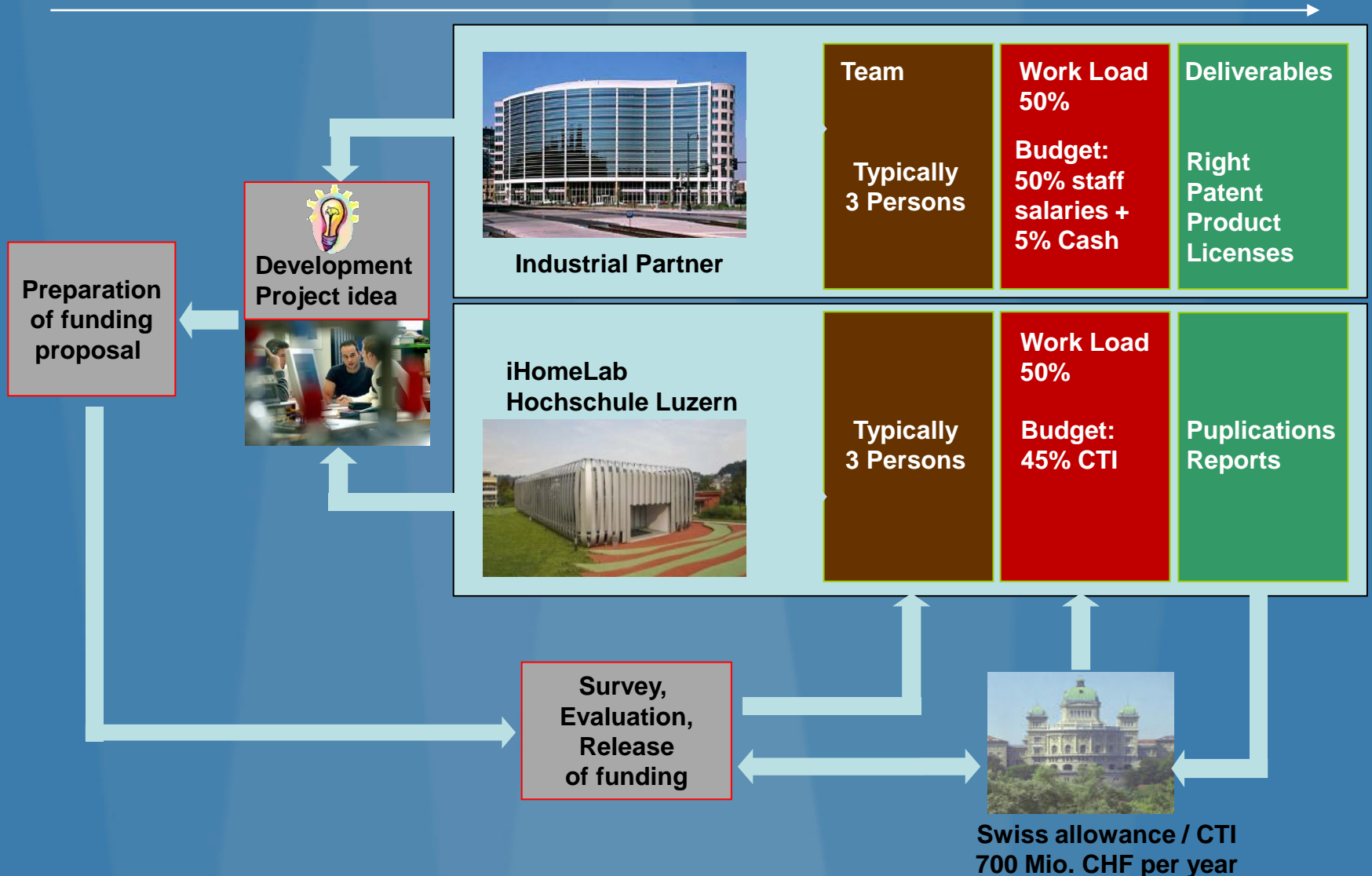
Ambient Awareness & Intelligence,
Sensornetworks, Contentmanagement

PPP in the ICT Applied Research

>15 years experience in the ICT applied research:

- Activity: > **40** projects, technology prototypes, studies, tests & trials;
- Innovation results: > **50** scientific publications & patents, white papers;
- Feedback to industry: know-how and technology transfer, 1 spin-off;
- Funding types: Swiss CTI, industrial research funds, EU FP7, AAL-JP
- Collaboration network: **100** Industry & Research Partners

Swiss PPP in the Applied Research



PPP in the iHomeLab Showcase Operation

Lucerne University of Applied Sciences

- Engineering
- Economy
- Social Science
- Design & Arts
- Music



Operation Partners

- Industry
- Municipalities
- Experts
- Unions / NPOs
- Massmedia

PPP Funding for the Showcase Operation

Lucerne University of A.S.		+	Partner		=	Total
Personel	Materials		Cash	Materials		
90 kCHF	45 kCHF		315 kCHF	120 kCHF		570 kCHF

Facts of the Showcase Operation

Showcase facts:

- 4 years of operation
- 10'000 visitors since Nov. 2008
- 170 events a year

Events:

- Guided tours: from 15 min up to 90 min
- Innovation workshops: for energy efficiency, safety & security, user comfort topics
- Partner events: press releases and speeches
- Professional event management



iHomeLab Partner Overview



Goals of a PPP in the ICT Education

- Shape your juniors: Industry-driven demand
- Time to market: Knowledge transfer from industry
- On-the-job education: More flexibility for working students
- Boost your R&D: access to researchers and institutes
- Moving target: agile education from the parties involved

18 Years Experience

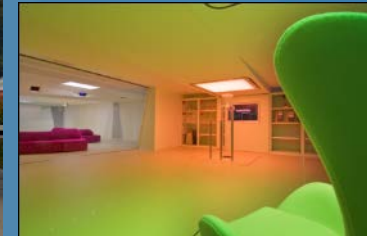
- Development of educational courses in the ICT
- Classic teaching of full-time, part-time and working students
- Supervision of Bachelor and Master Theses
- Afterdiploma studies and professional courses
- Industrial PhD studies

iHomeLab: The leading educational and research centre for building intelligence



Join a consortium! Let us educate together!

Thank you. Visit us at the iHomeLab!



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