

**“Supporting the elderly’s ecosystems:
How can innovative experiments be relevant in all contexts?”**

Dr. Pierre Rossel
EPFL - CDM
Station 5
CH-1015 Lausanne
Tel. +41 21 693 71 92
eMail: pierre.rossel@epfl.ch

- 1. A personal journey, with new questions**
- 2. Experimenting in senior care and beyond**
- 3. Commonalities and broad values**
- 4. How to close the gap? Most promising tracks**

1. A personal journey, with a new set of questions «at the end»

From 2009 on, we initiated a series of projects, Swiss-based, Interreg-based or EU-based, in support of:

- Innovation capacity of the firms

- And, also, gradually of technological aids seniors could benefit from

Projects with senior-supportive objectives

EU-AAL projects: ★

Augmenting perceptive options

Helping in mobility issues, alerting, agenda

Guiding seniors > urban resources and risk in senior-friendly cities

AGATHE: From nutrition and social support to global health

Smart Frames
II projects ?

- Culture-tourism
- Industrial proj. 1 et 2
- Sight impaired

?

Jameslight Demonstr. ?

Easymove4you ? – CSR >> AAL9 ★

Interreg > H2020

Technological & strategic assessment of augmented glasses

SFrames

Orientate + advise on self-wellness devices & IoT

MAESTRO ★

Metamediante

Facilitate occupational activities of all kinds for seniors

SPONSOR ★

Enhanced comm.- coordination for care givers

MEDIATE ★

Social link > chances for seniors to stay at home

LISOMAD

Minnovarc

Innovarc I

Innovarc II ?

2010

2011

2012

2013

2014

2015

2016

2017

2018

2019

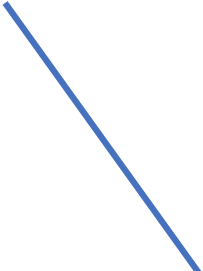
Four types of projects

NPR/Interreg: regional policy tool (Minnovacr, Innovarc, Lisomad, Smart Frames, Global health I)

Private follow-ups: Smart Frames II, Jameslight, Metamediate, elearning toolbox

AAL: MEDIATE, SPONSOR, MAESTRO, AAL9

H2020 or else: Global health follow up



AAL (Ambient assisted living), a EU funded programme, with yearly calls and topics, asks for:

- Topical fit > user-consistent solution,
- Multi-country and multi-actor diversity-complementarity,
- User-requirements > pilots,
- Prototype, business plan and business exit

Commonalities

- **Silver economy and ageing population's needs** are always either in the foreground or in the background
- **Technology can help –maybe-**, but let's develop, configure and test it to that end
- **Users** have the main say in that deal, all the way through
- There are always **two** more or less inter-connected **levels** to consider:
 - **local** (senior care is proximity-based)
 - **meta-local** (problems are more or less the same everywhere, at least in the EU/OECD perimeter)
- There are **multiple business models**, but no «one size fits all» and no overwermingly direct and simple market access, with 1.0 and 2.0 options
- Some form of **holistic technology assessment** is always necessary (on performance but also acceptability, risks, user-friendliness, entrenchment, supportive sociability, divide awareness, etc.)

From **early** to **new** questions

- Is it affordable? Is it really beneficial, not just for and even for a happy few? Will the increasingly digitally literate seniors of the years to come make it different?
- Which are the limits to acceptability and freedom?
 - easy precautions (private sphere protection, parcimonious intrusion, user-friendliness, low risks)
 - less visible issues, beyond well-intentioned goals (Big data, navigation helps, communication tools, augmented problem detection, quantified self)
- Are these technologies universally inclined, for everybody-anywhere's uptake or on the contrary likely to generate increasing divides, or both?
- If they are to be envisaged in countries with lesser access to technological or infrastructure-based services, what are the conditions and channels to consider, also understanding that ageing may «strike» in a more remote future?

Closing the gap: Most promising tracks

- Looking for **by-passes, fast track and leapfrogging** vectors
- **Support local actors** in reverse engineering dynamics and original knowledge combinations with local traditions, link to other specific local activities
- Support **diverse entrepreneurial framework** conditions, as well as new PPP and inter-generational **partnerships**
- Grow more substantial options «upstream» of the health value chain and in a **global health approach**
- «**Beyond seniors**» (worth considering for other potential actors-users😊)
 - support occupational motivations and framework conditions,
 - intermediate communication, coordination and services
 - Advise on and support best of the class self-monitoring systems
- Position these experiments and diffusions/transfers in the perspective of a **Knowledge Society with more**: open hardware, open innovation and creative commons , new learning-training tracks and service micro-trading (innovative commons?)

Thank you for your attention!