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MEET IN IRELAND

UCD DUBLIN

The experience of the UNCAP project on active and healthy ageing funded by the European Commission

99th OGC Technical Committee

Dublin, Ireland

Giuseppe Conti

21 June 2016

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Making location count.

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Ubiquitous iNteroperable Care for Ageing People

Horizon 2020

Duration: 36 Months
Total budget: 3.8 M€

Coordinator: Trilogis Srl – Rovereto

European Commission

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"The Union recognises and respects the rights of the elderly to lead a life of dignity and independence" (Lisbon Treaty)

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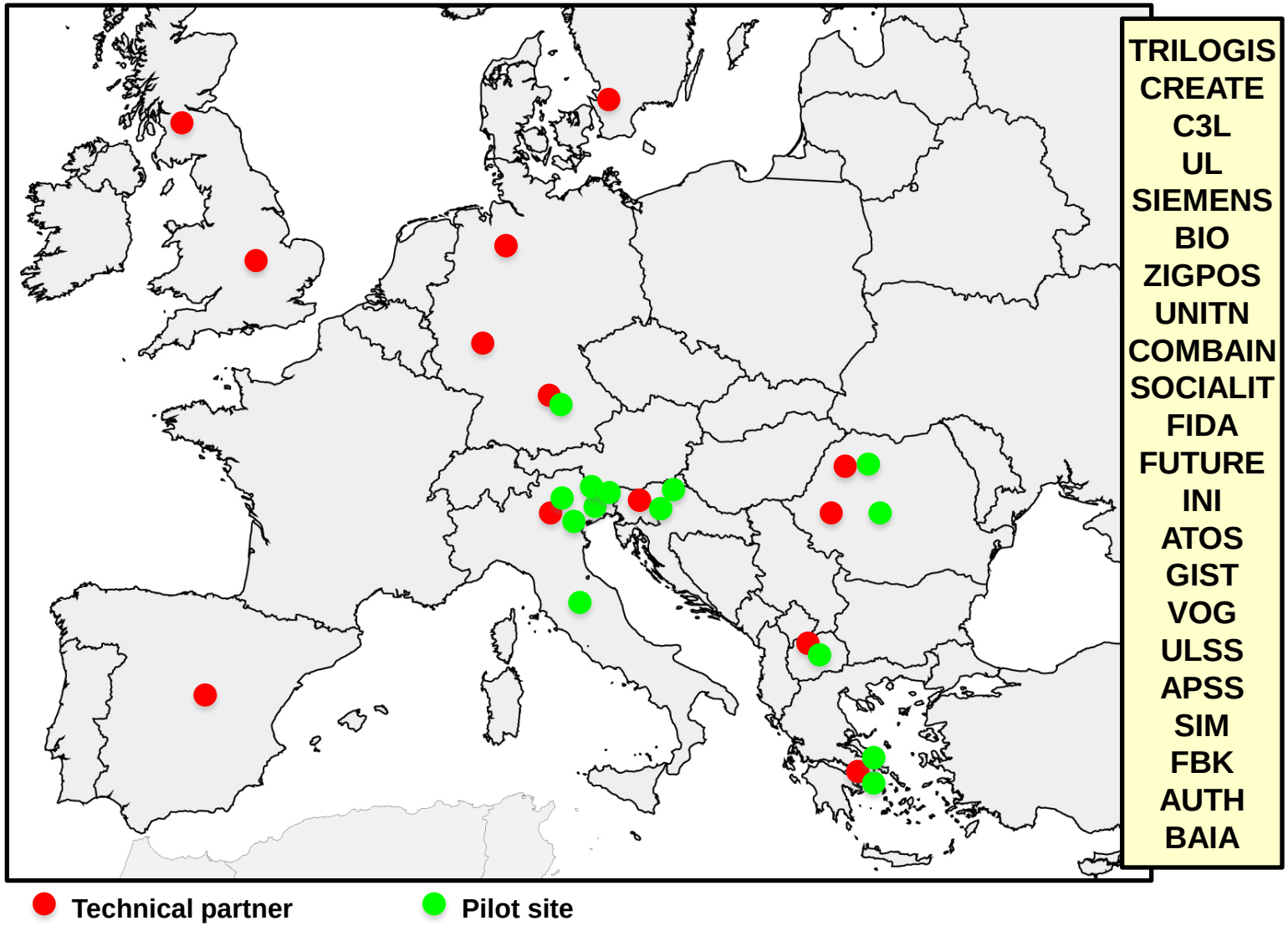
Who are we?


TRILOGIS
CREATE
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SIM
FBK
AUTH
BAIA
Technical partner
Pilot site

Unsustainable “dependance ratio”

Aging and CI

"if dementia care were a country, it would be the world's **18th largest economy**, ranking between Turkey and Indonesia. If it were a company, it would be the **world's largest** by annual revenue exceeding Wal-Mart (US$414 billion) and Exxon Mobil (US$311 billion)"

(World Alzheimer Report)

Strategy: Reduction of environmental stressors

Patients with mild or moderate CI can function best in an environment that is safe, calm, and predictable.

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The scenarios

The scenarios

The scenarios

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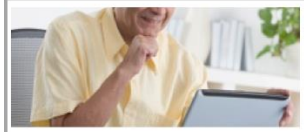
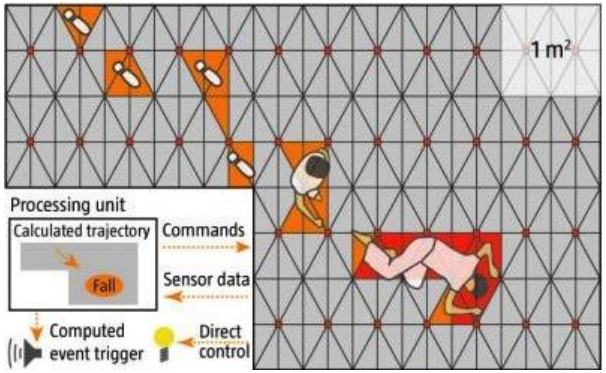
User groups

Typical user groups	General needs addressed by UNCAP
 Aging citizens with minor cognitive impairments	• To re-acquire an autonomous life with high quality, be this at their homes or within formal care environments. • To reduce the number of visits to health care system.
Caregivers and family members	• To ensure safety and high quality of life for their family member. • To reduce physical and psychological burden of care activities. • To be constantly updated about state of patients and promptly contacted in case of emergency. • To facilitate empowerment of patients and their families, becoming more active in the decision regarding their health.
Nursing Homes	• To control the night activity of the patient affected by mobility and/or behavioural problems. • To monitor the daily activities in the common spaces (ambulation, posture, possible falls or exit from the safe areas, etc.)
General practitioners	• To be able to monitor "sentinel events" of a patient at home through automatic recording of relevant data based on specific test scales (InterRAI™) to help them improve monitoring of patients' health or effects of therapies.
Clinical staff (in general).	• To access patient's health records via interoperable standards. • To accurately monitor patients' physical and cognitive state. • To promote healthy lifestyle among patients.
Medical helpdesk	• To remotely assess patient's conditions/vital signs and needs. • To deliver high-quality low-cost services based on remote and reliable monitoring of patient's habit patterns and vital signals.

Technological landscape



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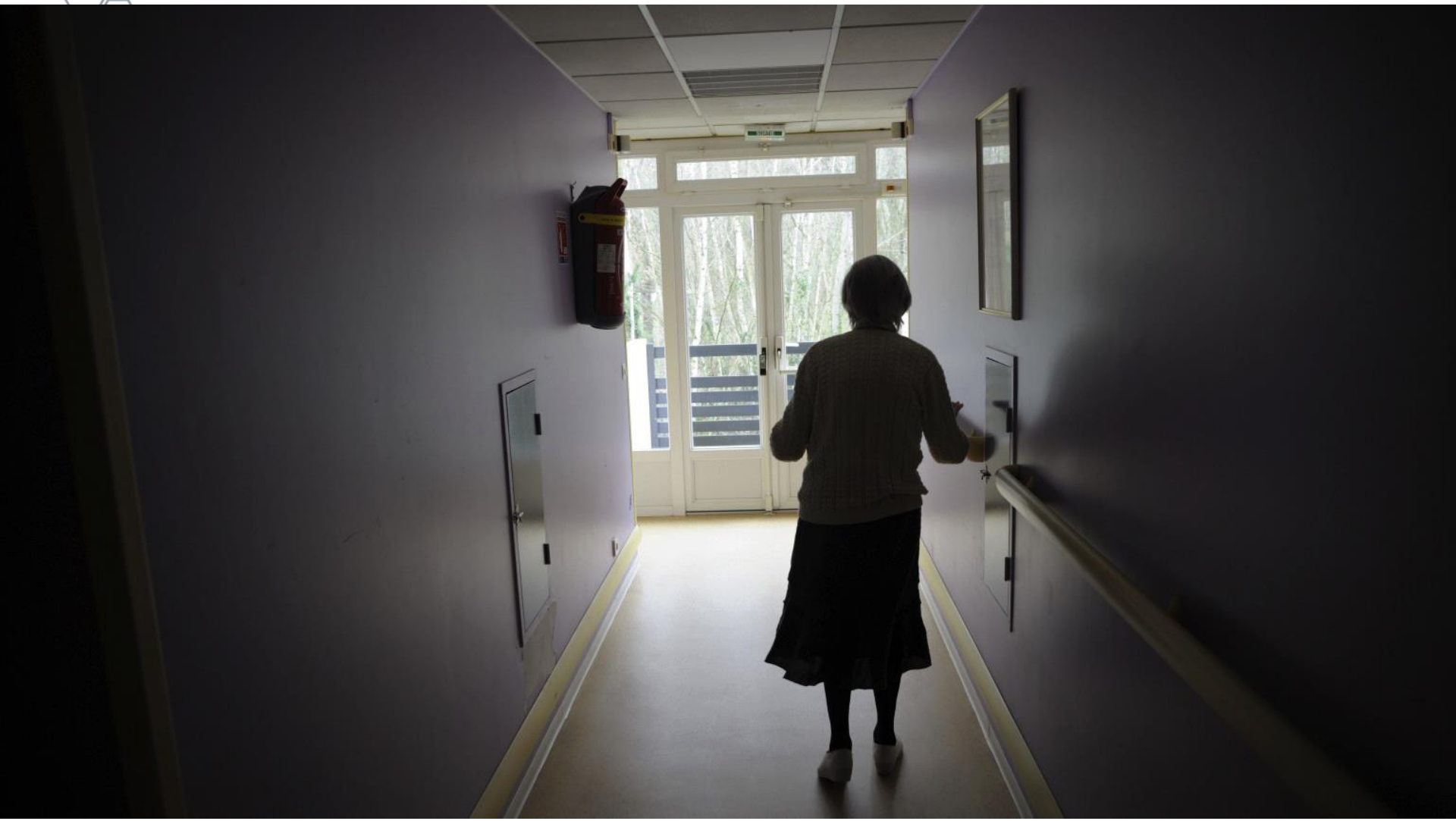
Wondering scenario



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Daily activities scenarios (support to daily tasks)

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Prevention scenario (games)

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UNCAP will integrate

- Smartphones, tablets, smartwatches, HDMI Android dongles, biosensing units, IP cameras, home automation systems, …

Standards

KNX

HL7 INTERNATIONAL

ETSI

World Class Standards

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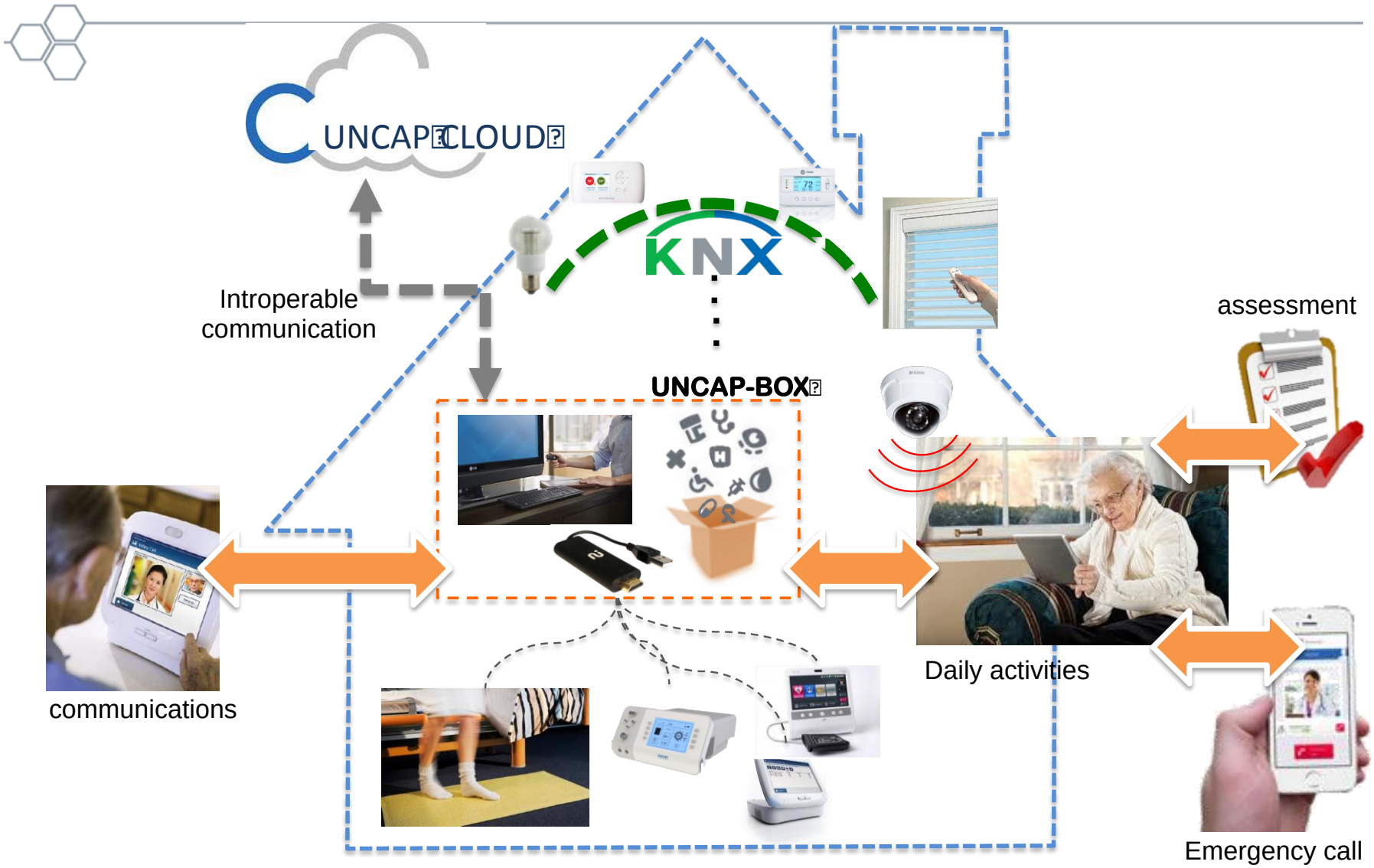
interRAI

The big picture



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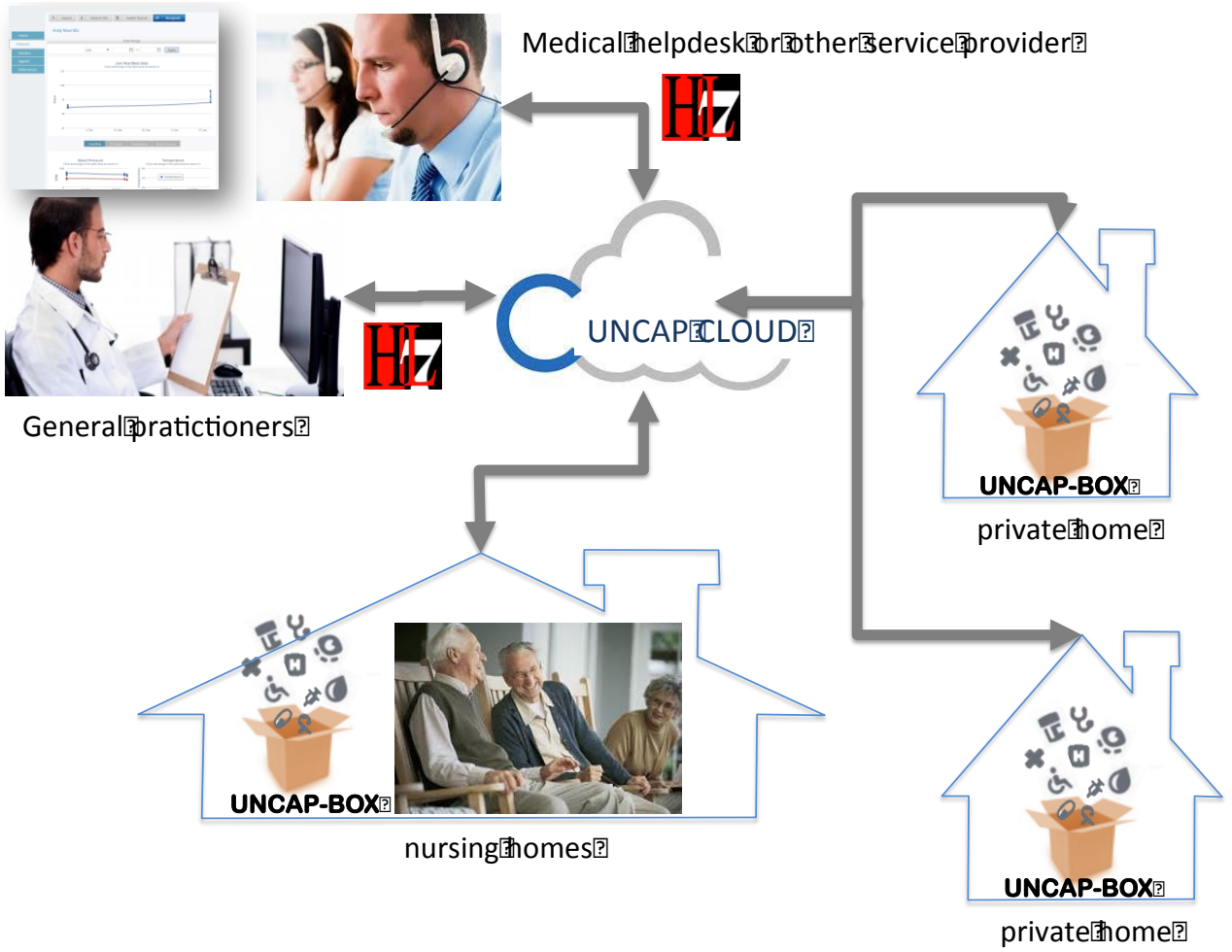
New business models



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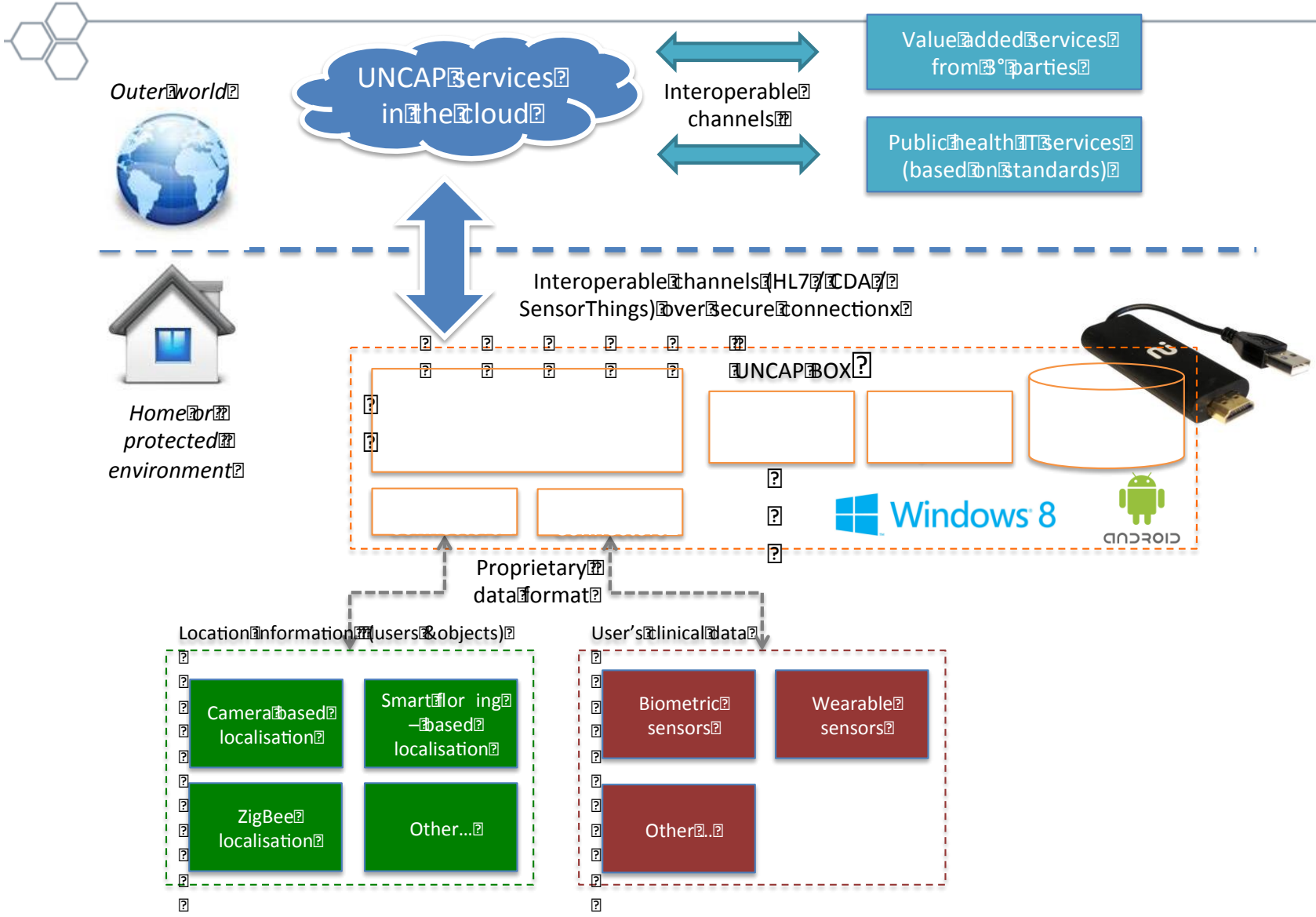
Overall architecture



Thank you!

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