



RADIO: Unobtrusive, Efficient, Reliable and Modular Solutions for Independent Ageing

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The RADIO Action

Research and Innovation Action, April 2015 – March 2018

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*Advancing active and healthy ageing with ICT:
service robotics within assisted living environments*



SANTA LUCIA
NEUROSCIENZE
E RIABILITAZIONE

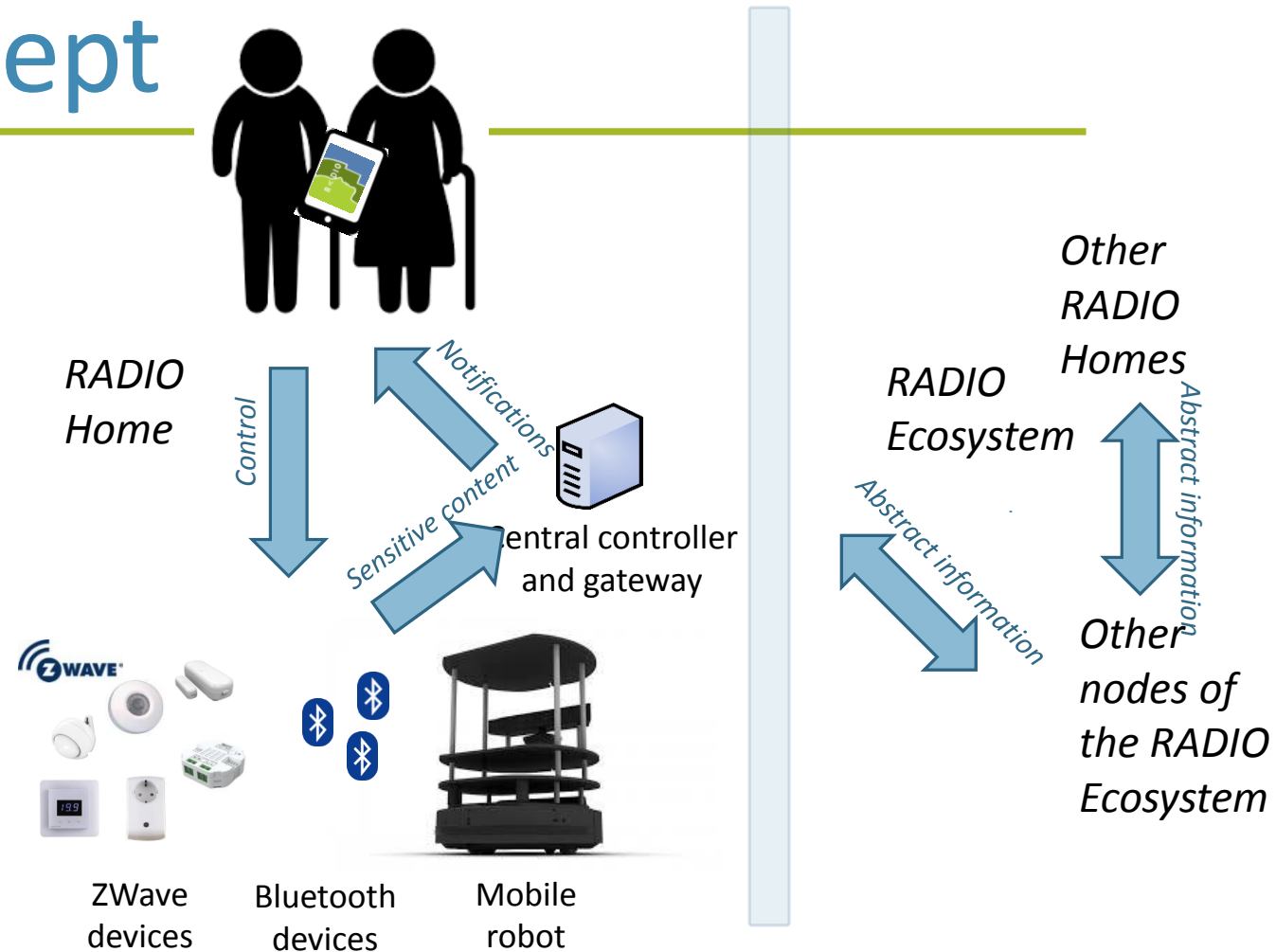


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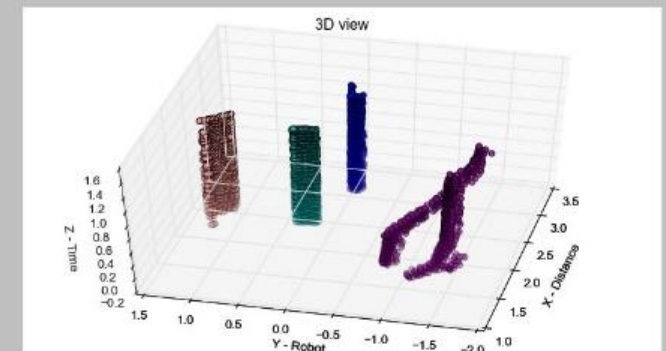
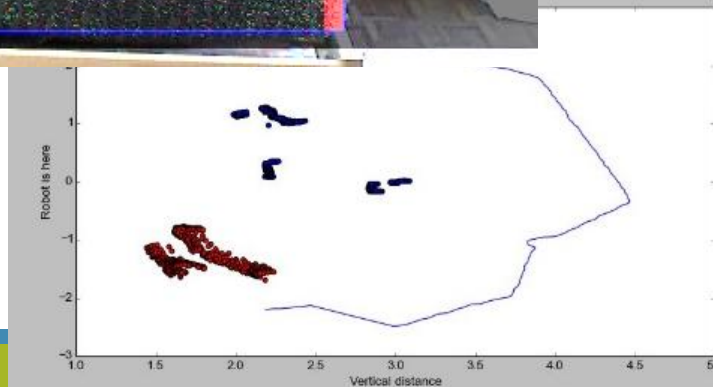
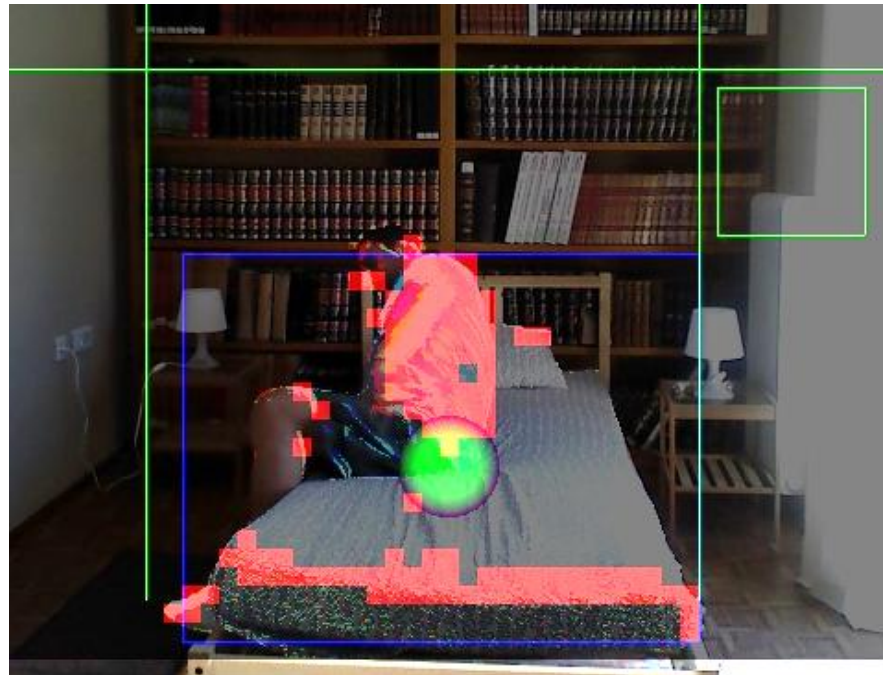
RADIO Home Concept

- Data collection
- Usability and usefulness
- Unobtrusiveness:
 - Stigmatization: all hardware serves home assistant and monitor functionalities
 - Primary users are never asked to charge, use, wear, remember to do anything whatsoever to be monitored



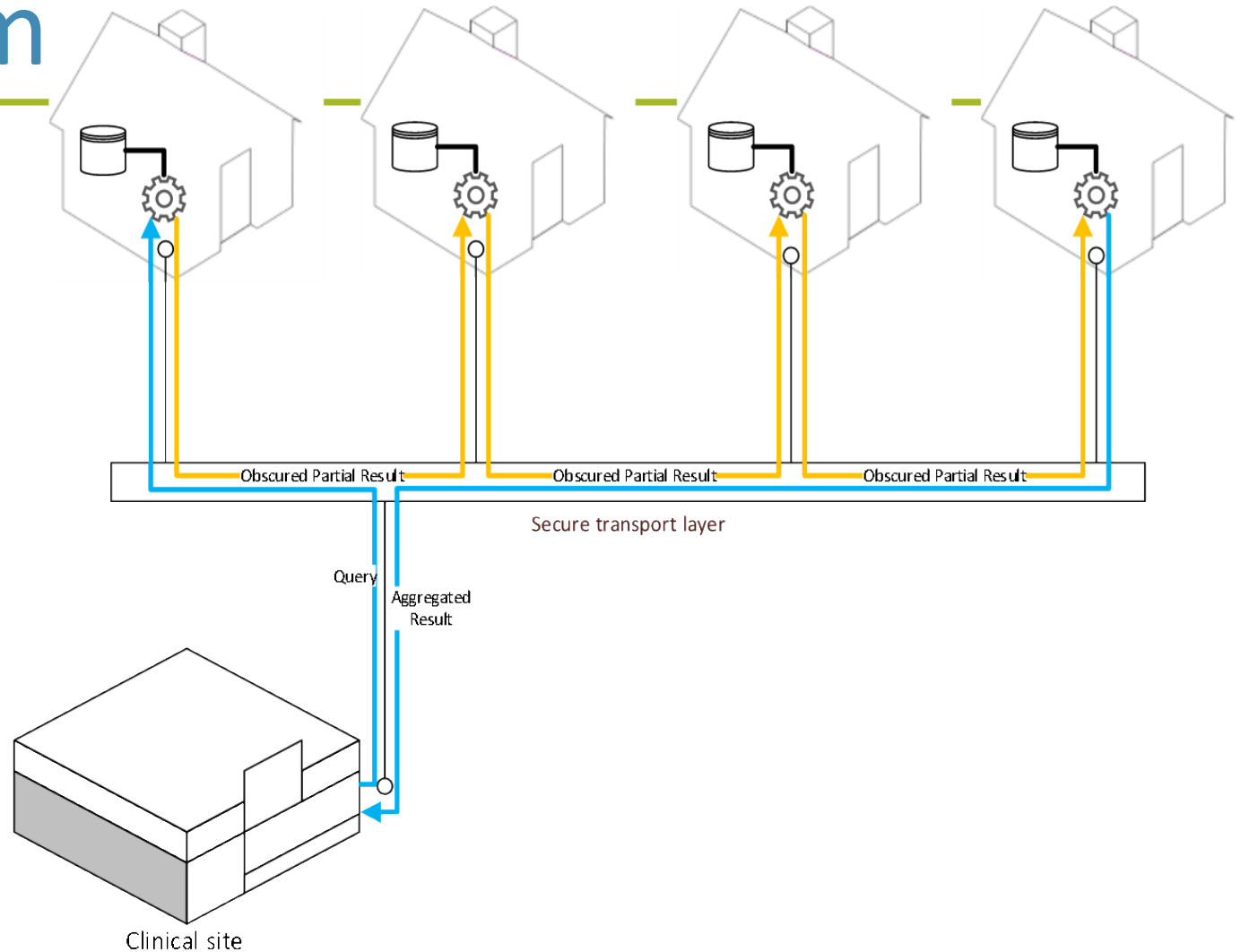
Visual and range data

- Motion analysis, object tracking and classification
- Pattern recognition in laser scans
- Walking speed, bed transfer



RADIO Ecosystem

- RADIO Homes connect to health institution
- Access to Home data:
 - Emergency notifications
 - Conventional access control
 - Privacy-preserving data mining





RADIO: Robots in Assisted Living Environments

<http://radio-project.eu>

<https://zenodo.org/communities/radio>

<https://github.com/RADIO-PROJECT-EU>