

Do we need a global brain?

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Ubiquitous computing

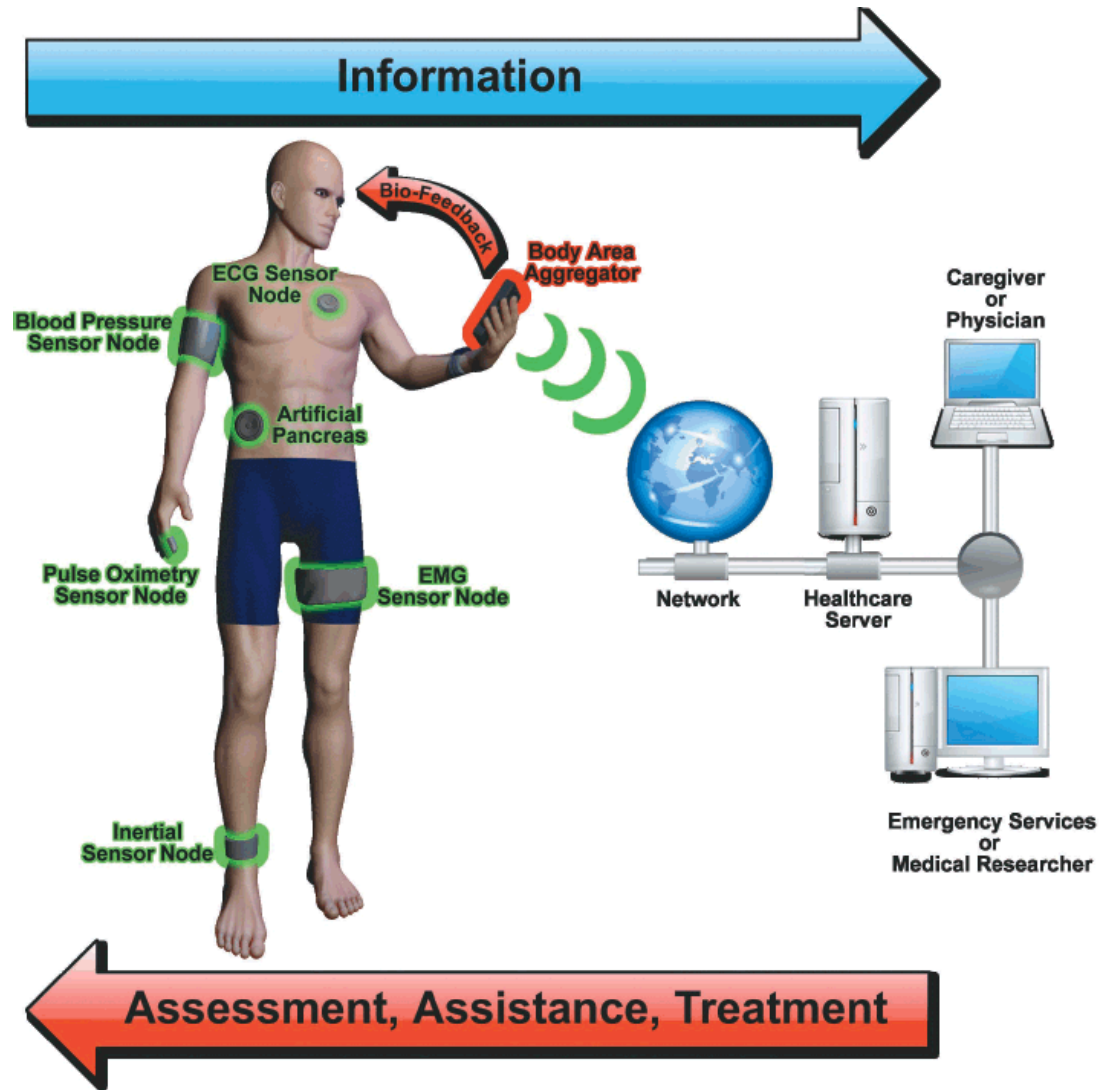
Pervasive computing

Internet of things

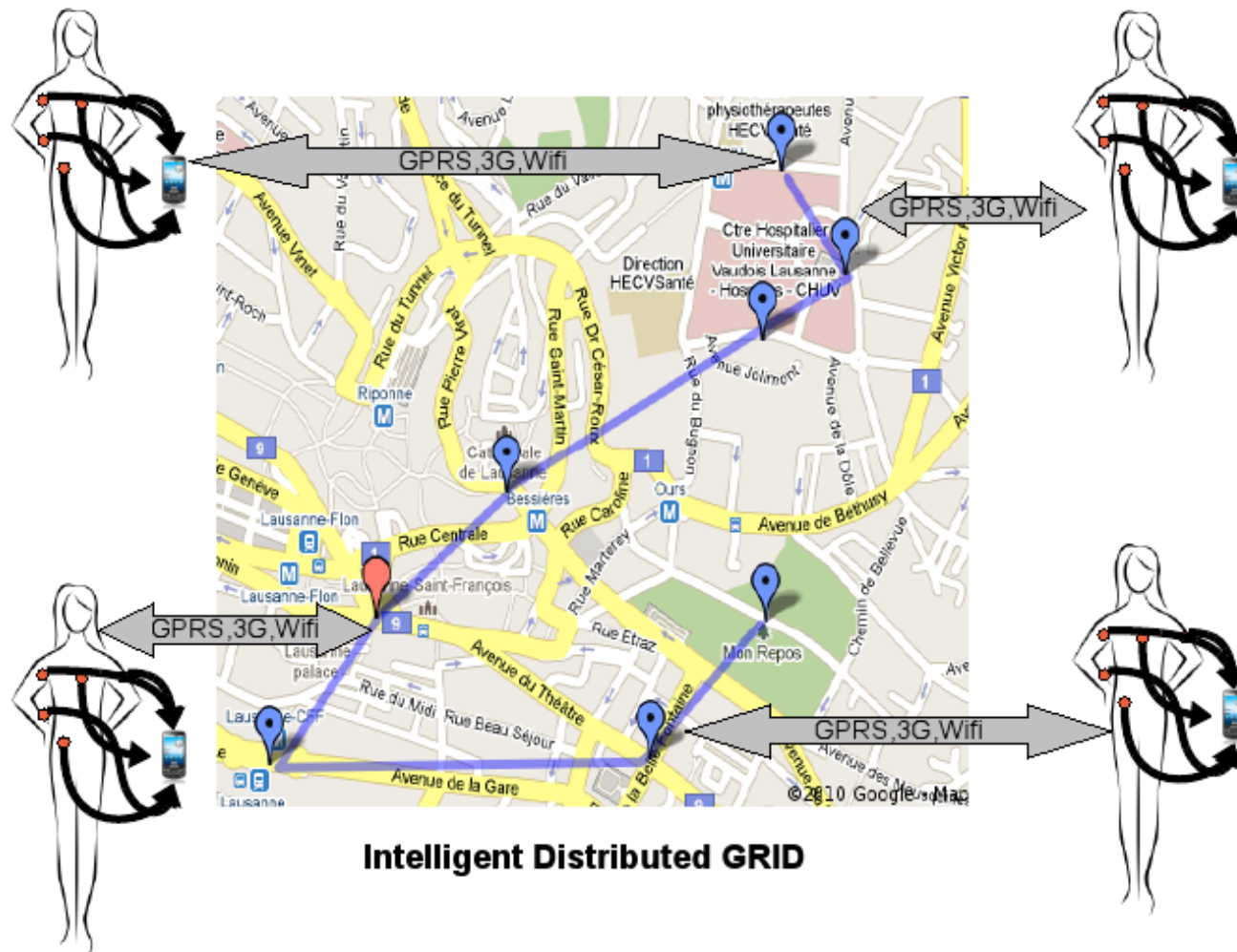
Outline

- (Near) future vision
- Sensors and actuators
- Enhanced humans
- Ambient Assisted Living
- E-Science and e-Decisions: Total knowledge – total surveillance
- Do we need a global brain?

(Near) future vision



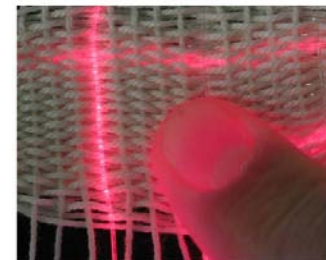
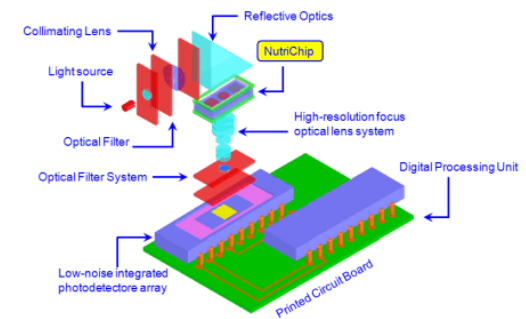
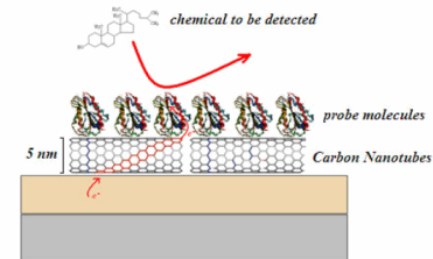
(Near) future vision



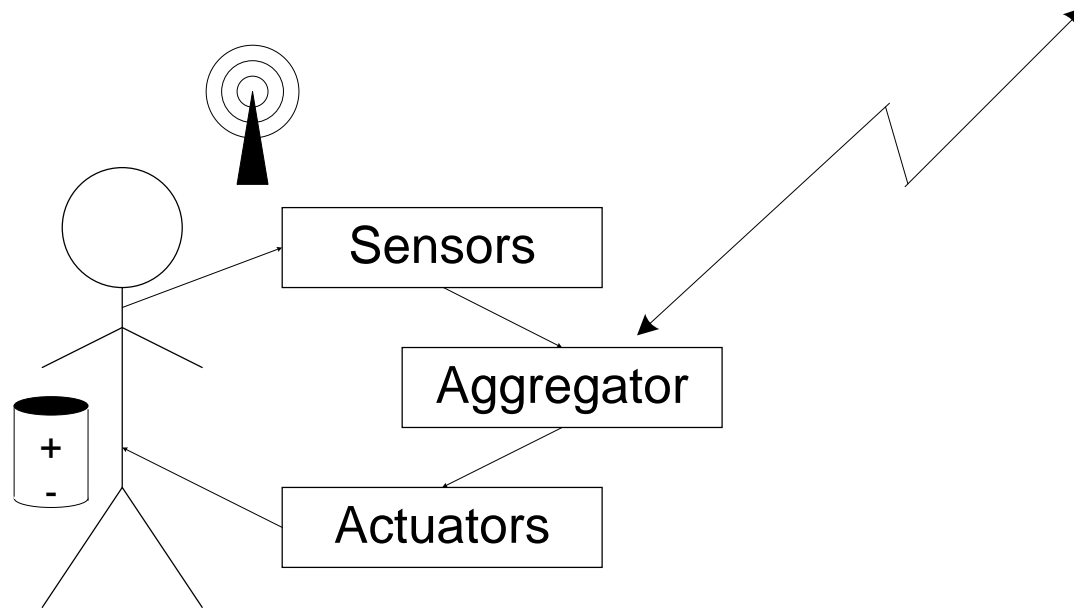
Nano-Tera, Project G-DEMANDE, Project Leader: Michael Ignaz Schumacher of HES-SO
<http://www.nano-tera.ch/projects/313.php>

Sensors and actuators

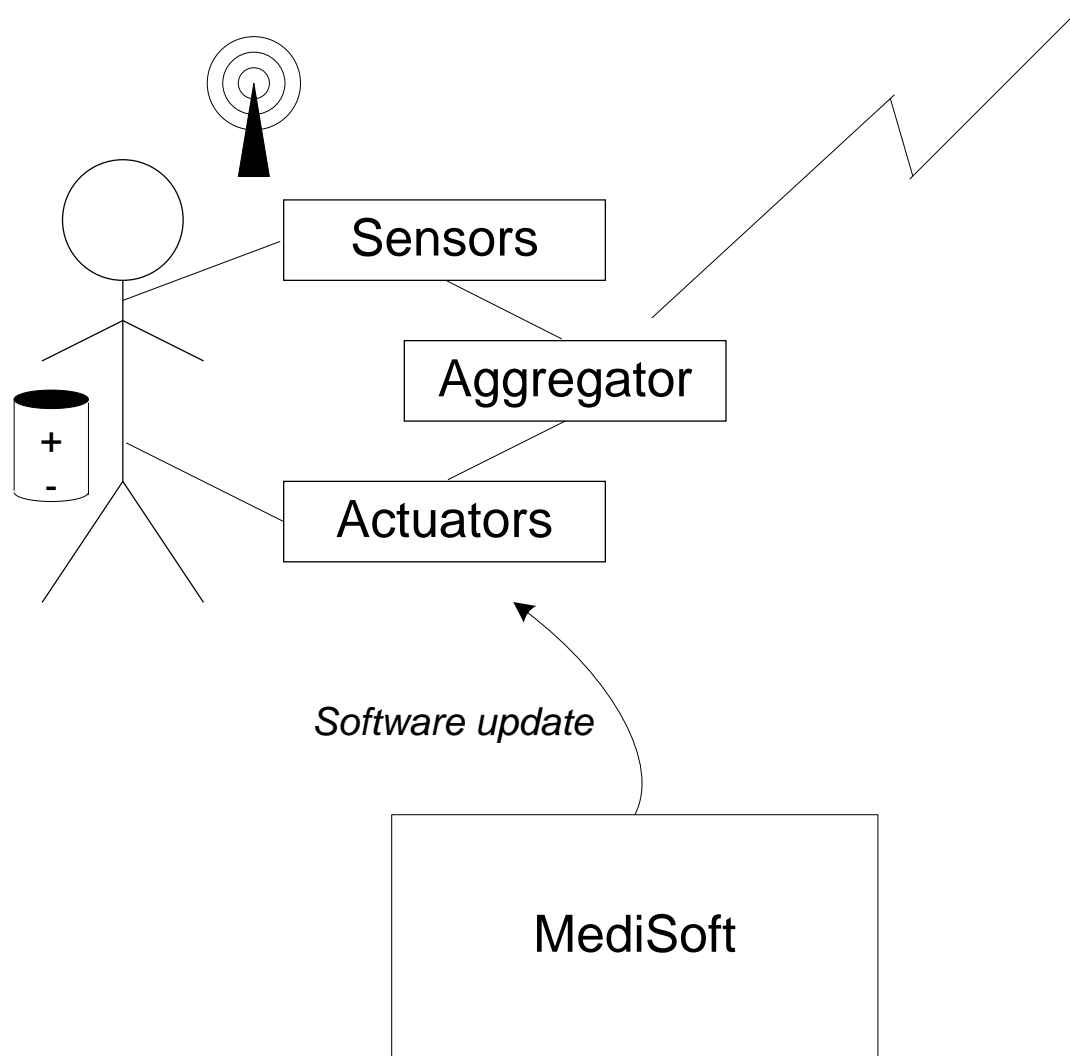
- Measuring new properties
- Miniaturization
- Power management (energy harvesting)
- Wireless communication



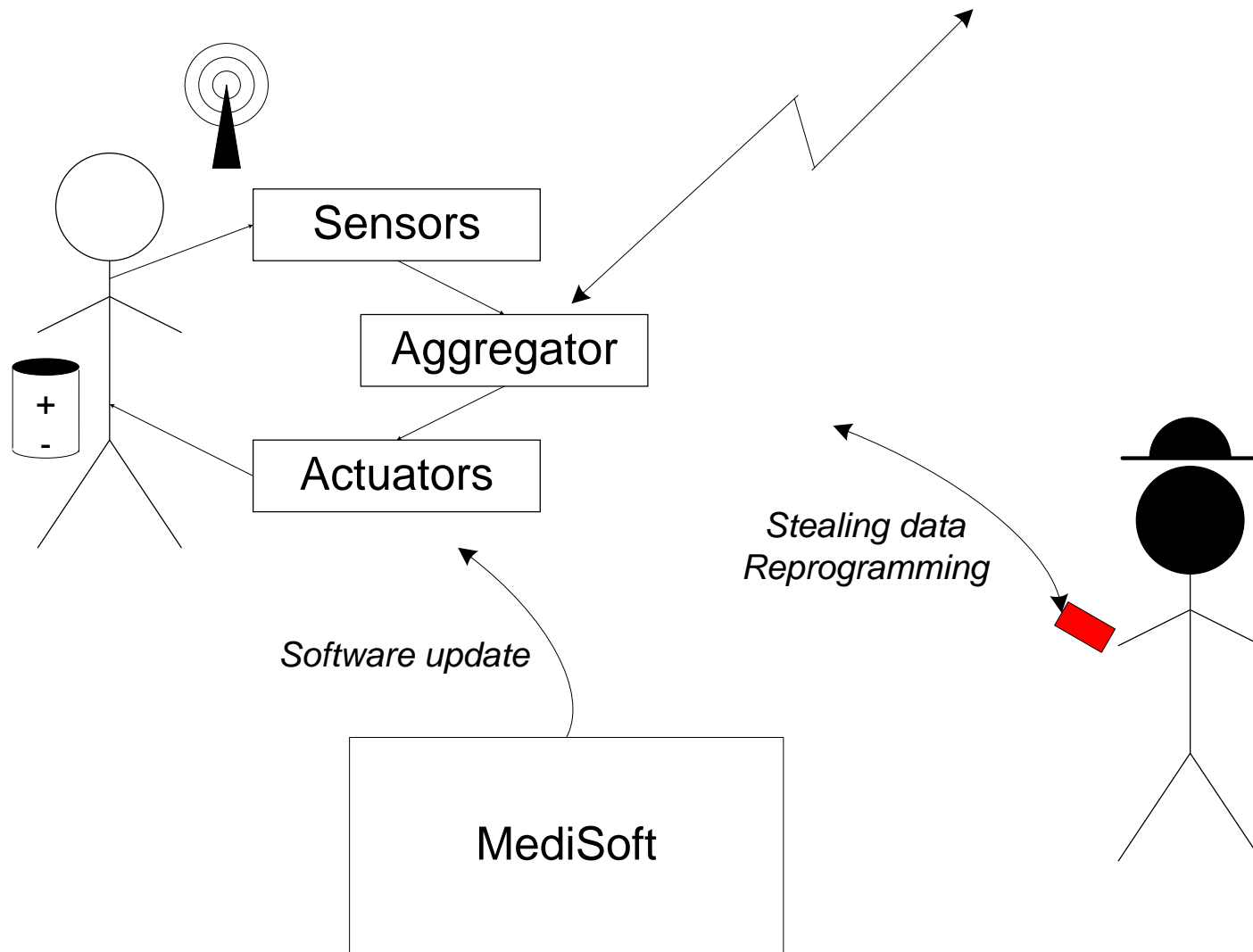
Enhanced humans



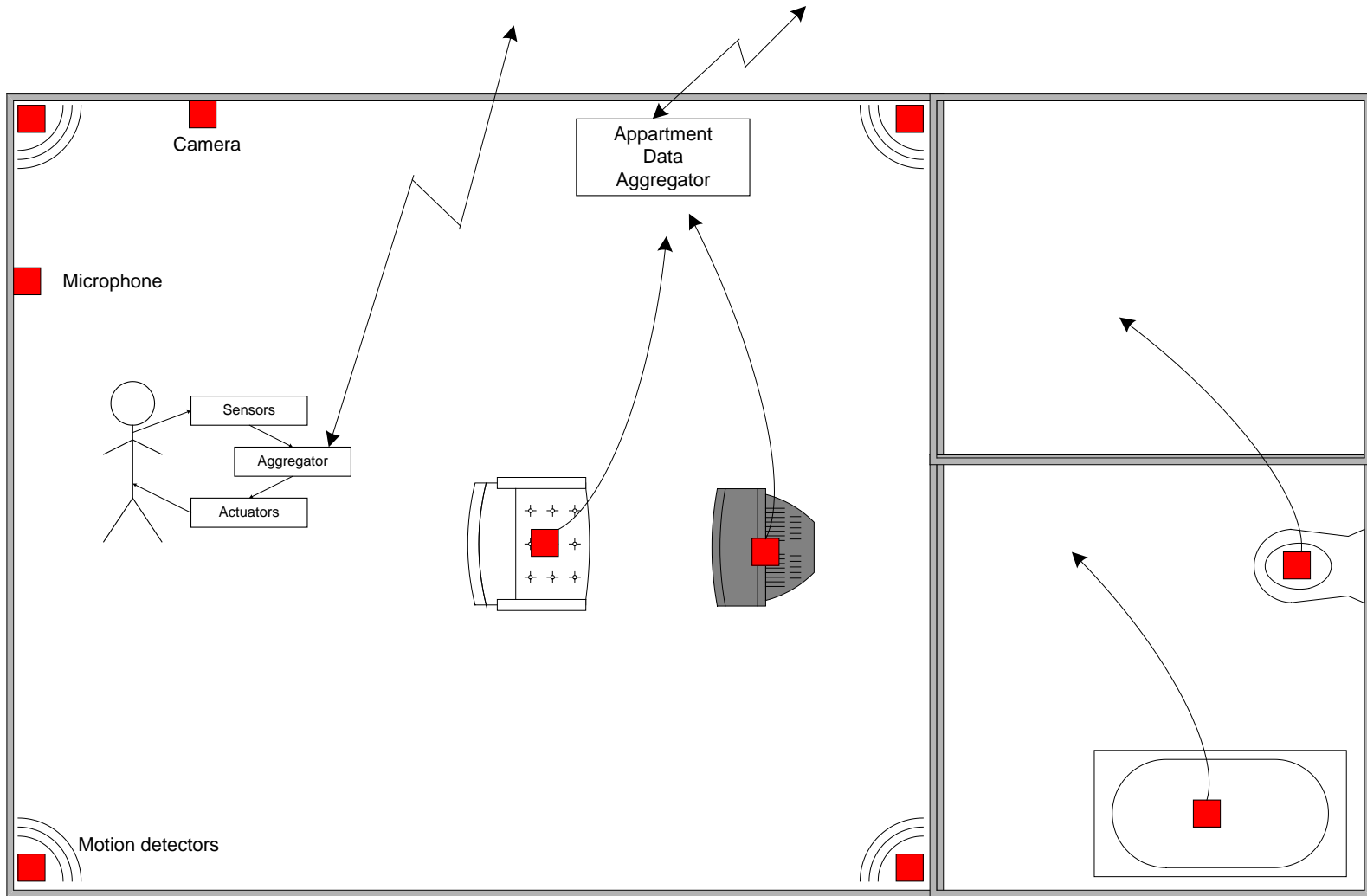
Enhanced humans



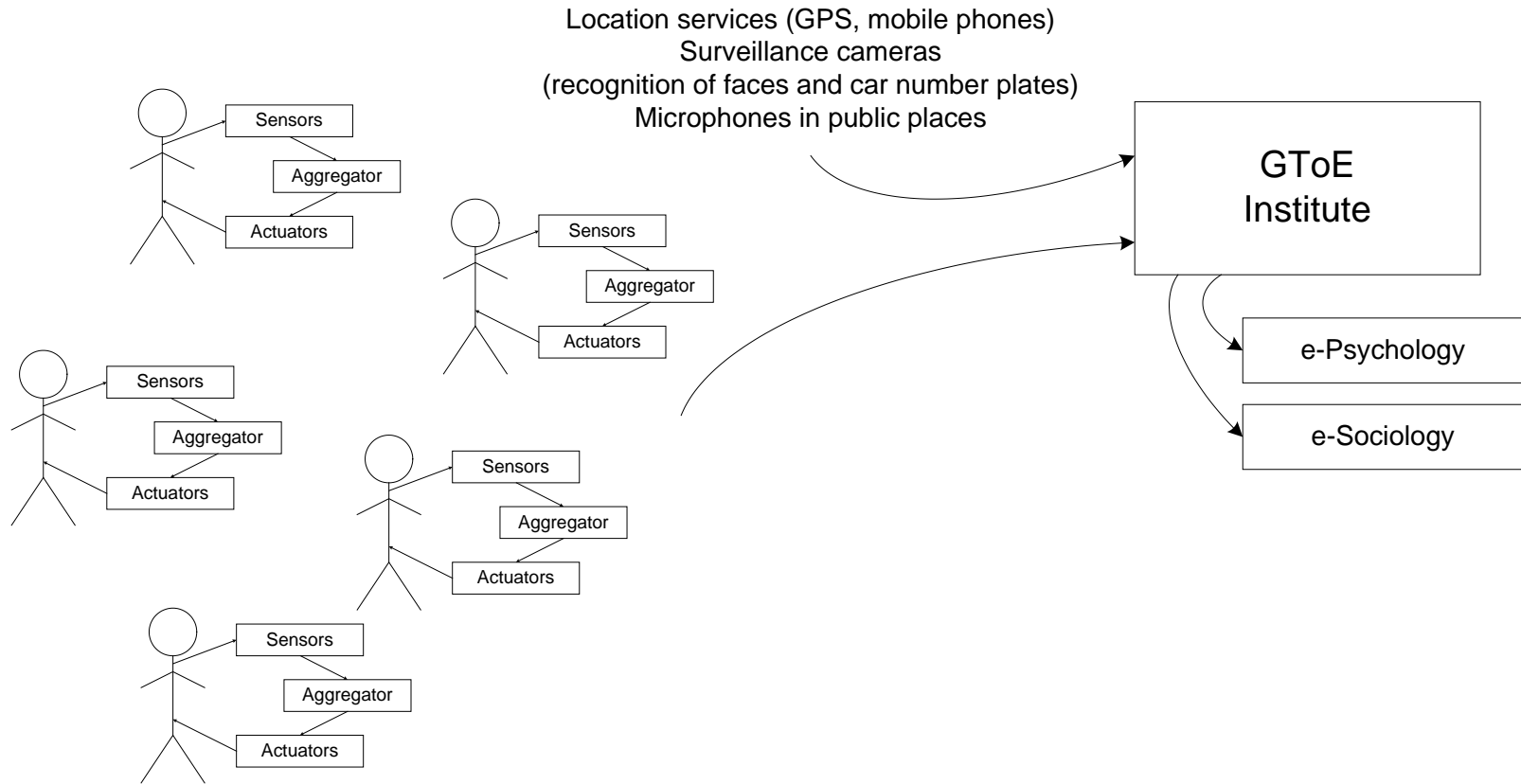
Enhanced humans



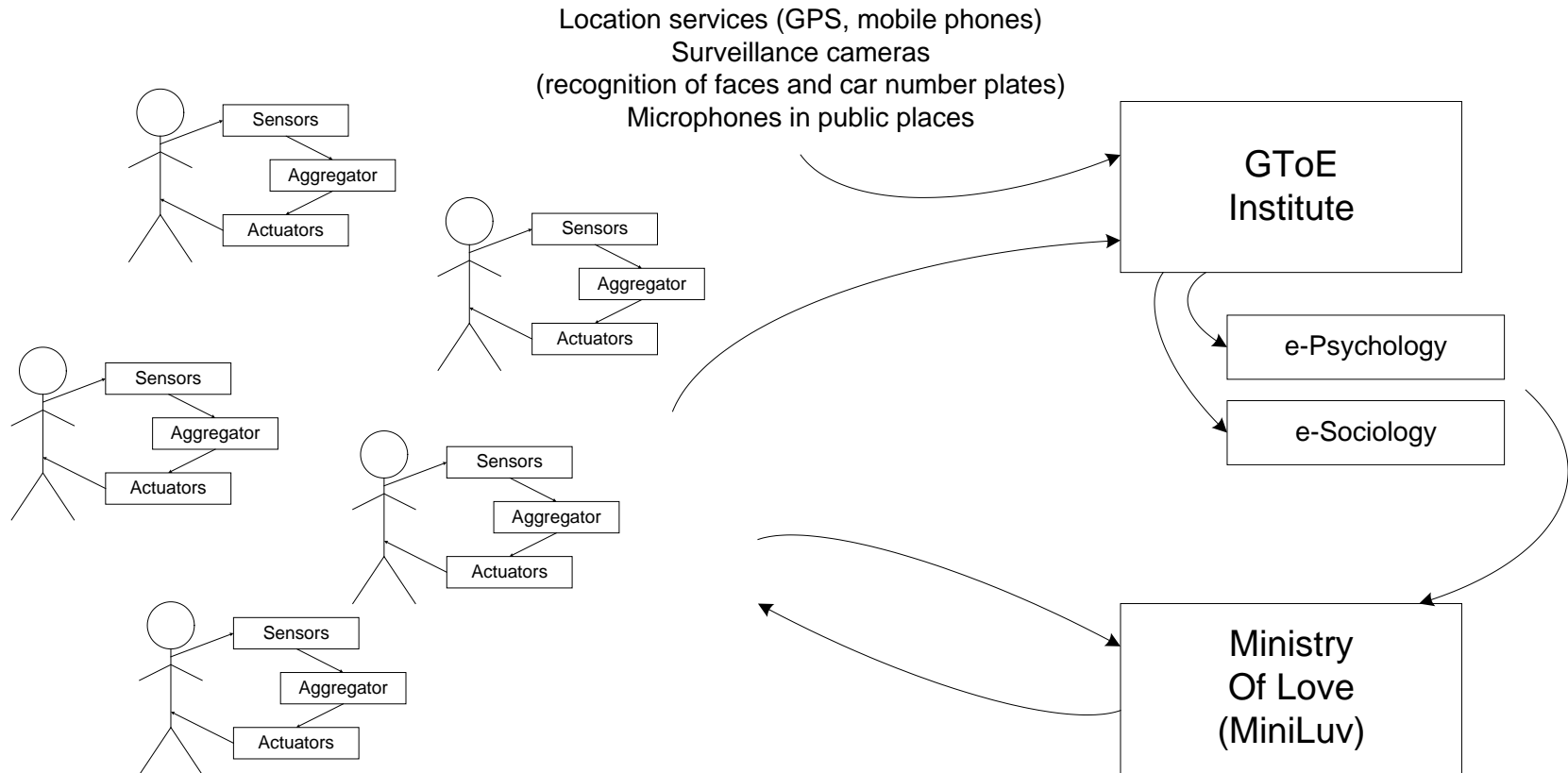
Ambient Assisted Living



E-Science and e-Decisions: Total knowledge – total surveillance



E-Science and e-Decisions: Total knowledge – total surveillance



Global Brain:

- knows everything about us
- understands us (better than we do)
- loves us
- is always ready to help

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Do we want it?

Global Brain:

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Do we want it?

- yes, wholeheartedly
- yes, partly – with adequate control
- not at all

Thank you

... and welcome

in the Brave New World

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