ISMB ideas

For EU-wide research

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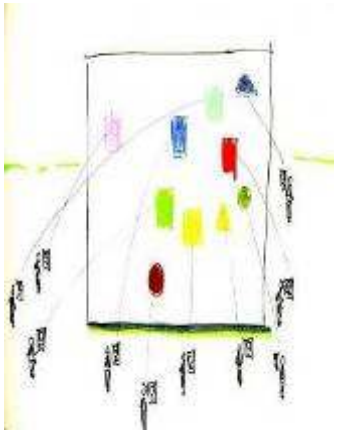
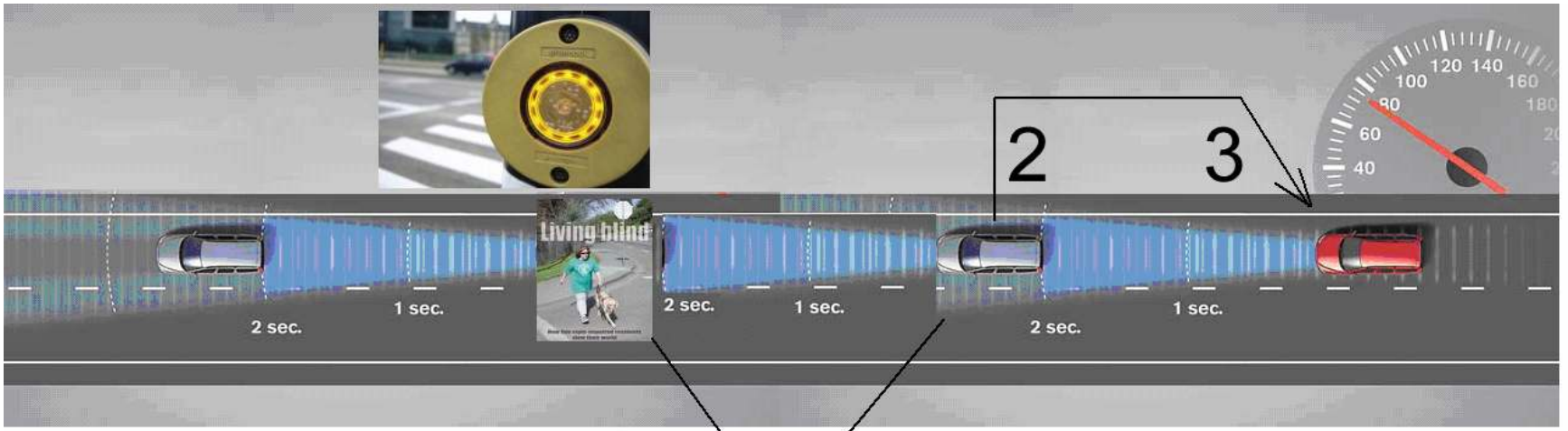
Relevant Research …



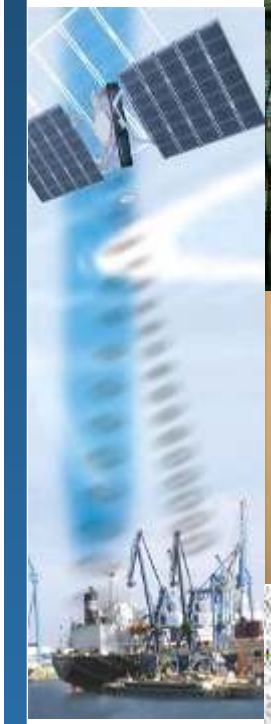
- **Intelligent Transport Systems**
  - Vulnerable Road User protection
  - Critical Infrastructure optimization and protection
  - Optimization and “bottleneck” handling
- **Safety and Security**
  - Identity “theft”, Non-appropriate empowerment granting
  - Dynamic services and code-injection related security
  - Enlarged EU non-homogeneous security handling (Corridor 5)
- **E-Health & e-Inclusion**
  - Sustainable “extra-wall” Assistive Services
  - Cheaper and Personalized Healthcare, devices/products…
- **Digital content**
  - Knowledge-aware re-bundling
  - DVB-T/H multi-channel exploitation (infotainment, entertainment)

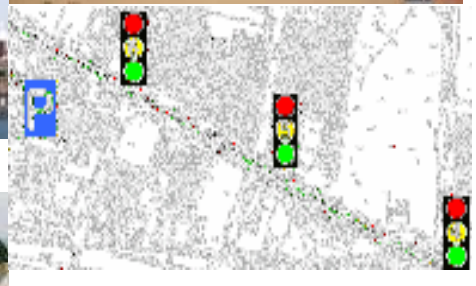
ITS: Tagged Units vs.XCS



- **Identity empowerment**
- **Authentication**
- **Safety: Identity "theft"**

Safety and Security

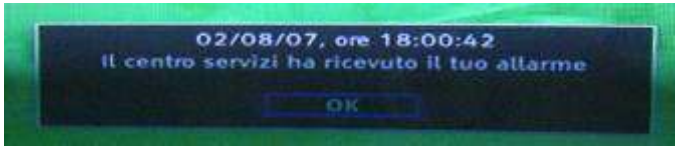


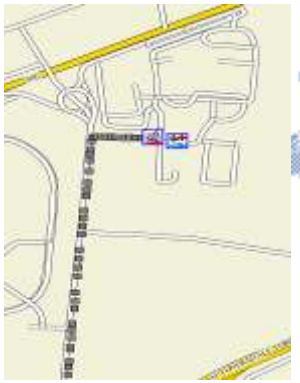


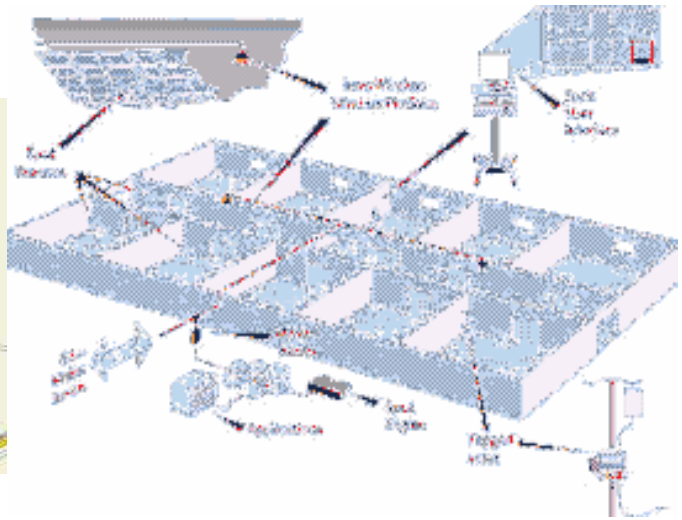
- Superposition: Physical + Control Net
- Intelligent context-aware procedures
- Same level along the whole topology
- Interoperability but not Intrusion
- “Identity theft” again

e-Health vs. u-Health

Tagged Units Moving

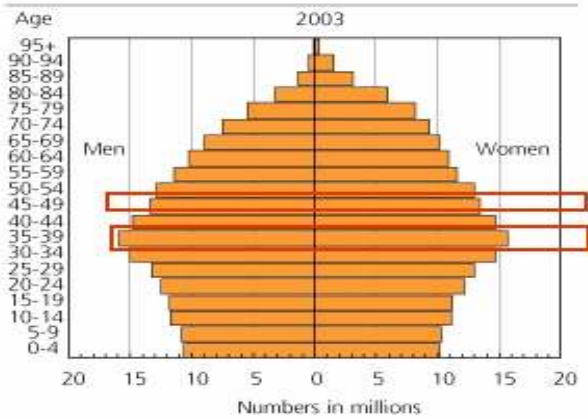


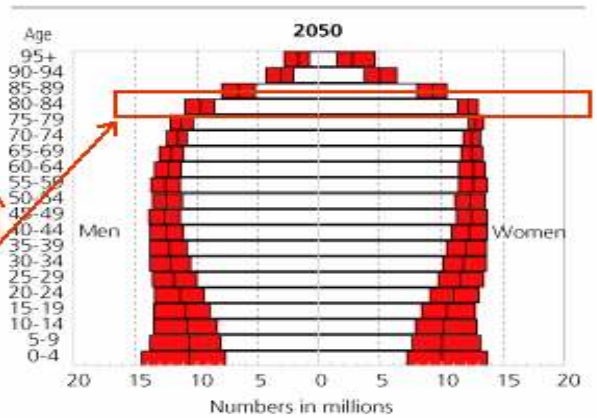




e-Inclusion

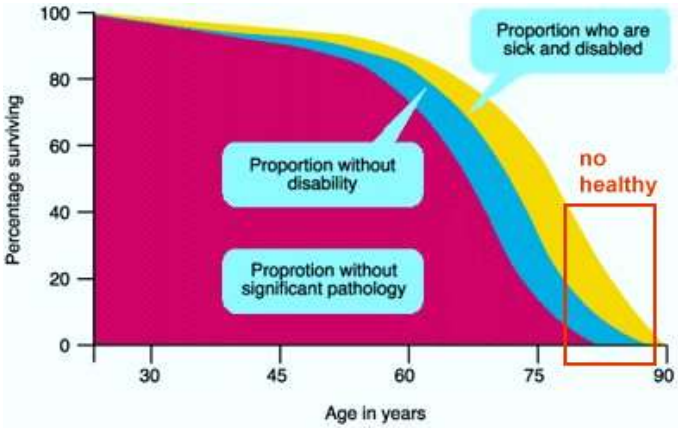
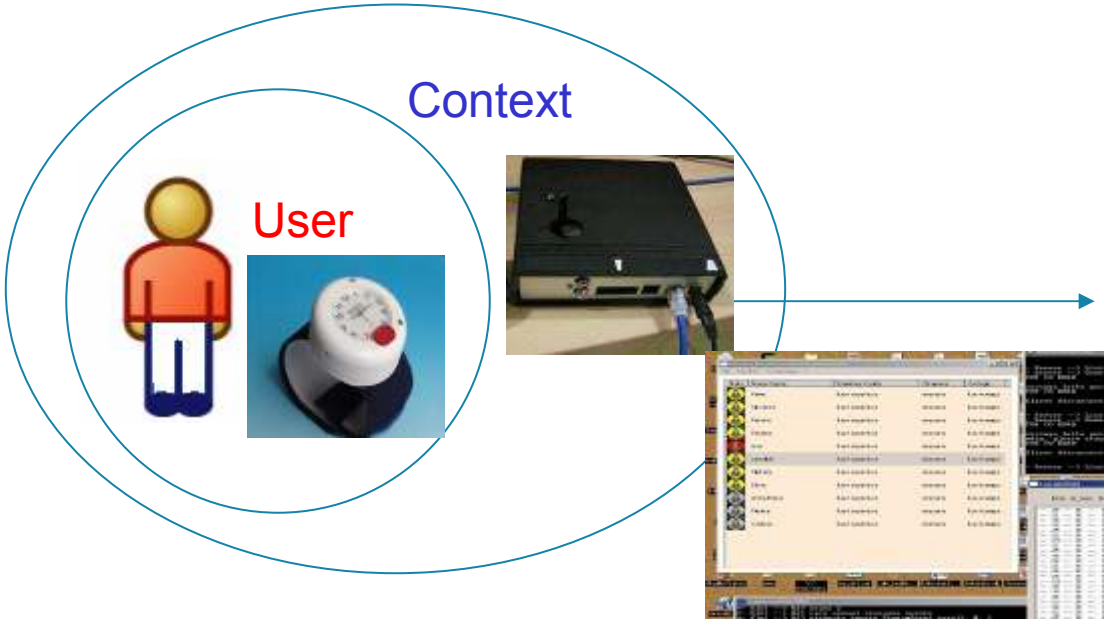
Tagged Units Moving


Age
2003
95+
90-94
85-89
80-84
75-79
70-74
65-69
60-64
55-59
50-54
45-49
40-44
35-39
30-34
25-29
20-24
15-19
10-14
5-9
0-4
Men
Women
20 15 10 5 0 5 10 15 20
Numbers in millions


Age
2050
95+
90-94
85-89
80-84
75-79
70-74
65-69
60-64
55-59
50-54
45-49
40-44
35-39
30-34
25-29
20-24
15-19
10-14
5-9
0-4
Men
Women
20 15 10 5 0 5 10 15 20
Numbers in millions

Elderly people

Broadcaster
Utente
Richiesta informazioni a voce
Linea Telefonica
Elaborazione/gestione voce


Percentage surviving
100
80
60
40
20
0
Proportion who are sick and disabled
Proportion without disability
Proprotion without significant pathology
no healthy
30
45
60
75
90
Age in years

Tracking Home, People