Active Assisted Living - legal tectonic plates

visuAAL - Privacy-Aware and Acceptable Video-Based Technologies and Services for Active and Assisted Living

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Plan of the presentation

1. About visuAAL
2. Active and Assisted Living technologies (AAL)
3. Identified legal issues
4. Further research plans
visuAAL

- a four-year (2020-2024) Maria Skłodowska-Curie Actions (MSCA) Innovative Training Network (ITN);
- 5 beneficiaries and 14 partner organisations from Austria, Germany, Ireland, Italy, Portugal, Spain, Sweden;
- 15 Early Stage Researchers working in various disciplines;
Active and Assisted Living technologies (AAL)

Systems that use innovative and advanced Information and Communication Technologies (ICT) to create supportive and inclusive applications and environments that may enable older, impaired or frail people to live independently and stay active longer in society. (AGE Platform Europe. (2016a) Glossary & Acronyms. (2016). Glossary & Acronyms)

Identified legal issues

• White Paper on legal framework.
• Eight areas of law analysed.
• Main legal problems and acts identified.
Identified legal issues

- General product safety regulations
- Healthcare law
- Cybersecurity
- Liability
- Data protection
- Competition law
- Contract law
- Consumer protection law
Identified legal issues

• Example of main legal questions:
  • Is AAL product or service?
  • Is AAL system a medical device?
  • Who is liable for harm caused by the AAL system?
  • How to provide effective consumer protection?
## Further research plans

<table>
<thead>
<tr>
<th><strong>MEDICAL SCIENCE</strong></th>
<th><strong>SOCIAL SCIENCE</strong></th>
<th><strong>COMPUTER SCIENCE</strong></th>
<th><strong>LAW</strong></th>
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</thead>
<tbody>
<tr>
<td>Use of camera systems to support home based multiple chronic disease (multimorbidity) self-management</td>
<td>Perceptions of personal privacy in different users regarding health monitoring technologies</td>
<td>Behaviour modelling and life logging</td>
<td>Video-based AAL technologies and colliding legal frameworks</td>
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<td>Application of behavioural change theory to the design, development, and implementation of camera systems to support home-based multiple chronic disease (multimorbidity) self-management.</td>
<td>(Dis)Trust in medical technologies and medical support considering (severe) health decisions</td>
<td>Algorithmic governance for active assisted living</td>
<td>Video-based AAL technologies and balancing of interests</td>
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<td>Self-management/education/training for individuals with multiple chronic health conditions using visual based data on a mobile robot</td>
<td>Acceptance of artificial intelligence in health-related contexts</td>
<td>AI for dementia care</td>
<td>Digital twins as a way to help insure legal compliance of video-based AAL technologies</td>
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<td>Acceptance of artificial intelligence in health-related contexts</td>
<td>Perceptions of personal safety and privacy in frail elderly, disabled people and their caregivers in the context of video-based lifelogging technologies</td>
<td>Privacy preservation in video-based AAL applications</td>
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<td>Context recognition for the application of visual privacy</td>
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