

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)



W. Alosaimi, M.T.J. Ansari, A. Alharbi, H. Alyami, A.H. Seh, A.K. Pandey, A. Agrawal, R.A. Khan, "Evaluating the Impact of Different Symmetrical Models of Ambient Assisted Living Systems", *Symmetry*, 13, 450, 2021

Identified legal issues

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




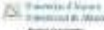




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D1.6. Active Assisted Living – legal tectonic plates

White paper on the legal framework for video-based assisted technologies

Document information			
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Identified legal issues

General product safety regulations

Data protection

Healthcare law

Competition law

Cybersecurity

Contract law

Liability

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

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