



VISUAAL

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

Introduction to VISUAAL

THE XXXVI NORDIC CONFERENCE IN LAW AND IT
NOV 9-10, 2021

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Universitat d'Alacant
Universidad de Alicante

Project Coordinator

RWTH AACHEN
UNIVERSITY



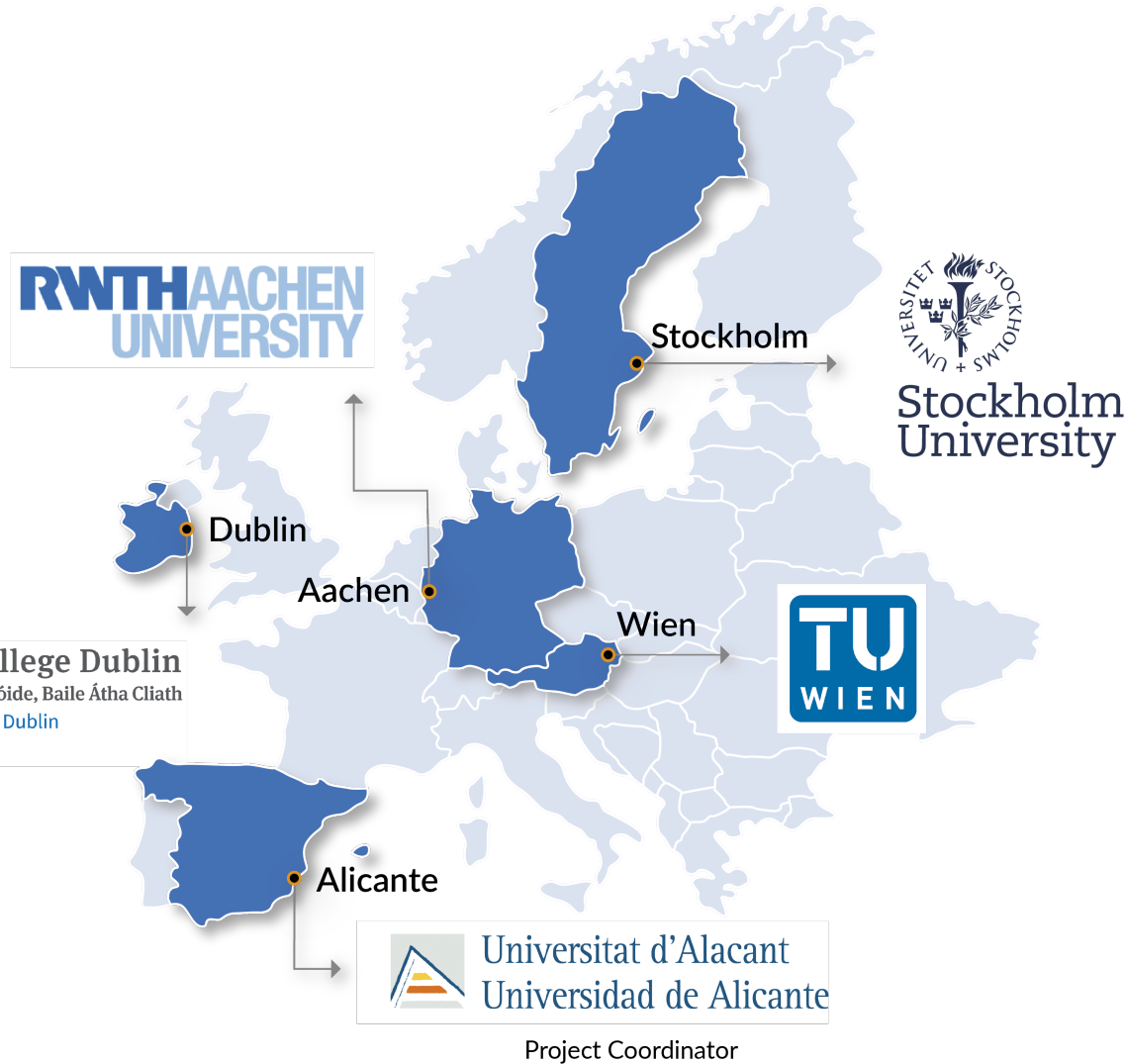
Stockholm
University



Trinity College Dublin
Coláiste na Tríonóide, Baile Átha Cliath
The University of Dublin



- Marie Skłodowska-Curie Innovative Training Network
- Duration: September 2020 – August 2024
- Grant agreement No 861091
- <https://www.visuaal-itn.eu>



Partner Organisations

- AIT Austrian Institute of Technology | [Austria](#)
- Anyvision (NI) Ltd | [United Kingdom](#)
- Association for the Advancement of Assistive Technology in Europe | [Austria](#)
- Associazione Italiana per l'Assistenza Agli Spastici Provincia di Bologna | [Italy](#)
- Cáritas Diocesana de Coimbra | [Portugal](#)
- Cogvis | [Austria](#)
- Dundalk Institute of Technology | [Ireland](#)
- ECHAlliance | [Ireland](#)
- enervision | [Germany](#)
- IBM Ireland Limited | [Ireland](#)
- IrsiCaixa | [Spain](#)
- Lebenshilfe NRW e.V. | [Germany](#)
- Stiftelsen för rättsinformation | [Sweden](#)
- Universidade Católica Portuguesa | [Portugal](#)

Monitoring in public spaces vs private spaces



New devices and AAL applications



- Fall detection and prevention
- Identification of Activities of Daily Living
- Behaviour monitoring
- Social robotics
- Physiological monitoring
- Rehabilitation
- Support to people with cognitive impairment
- Food intake monitoring
- Gait analysis

Bridge the knowledge gap between users' requirements and the appropriate and secure use of video-based AAL technologies to deliver effective and supportive care to older adults managing their health and wellbeing

To support a multidisciplinary, multi-cultural, multi-societal, gender-based analysis of user acceptance of video-based AAL technologies and services

To analyse the ethical, legal, data protection, societal and behavioural issues for developing and implementing effective solutions

To develop algorithms, systems and infrastructure for privacy-aware AAL solutions

To raise awareness and stimulate the debate amongst key stakeholders of the potential role of Privacy Enhancing Technologies (PETs)

To train 15 Early-Stage Researchers (ESRs) in transdisciplinary research skills using a combination of research projects, specialist courses and summer schools

To provide cross-sectoral training of ESRs through secondments in non-academic environments

To provide ESRs with transferable skills such as proposal writing, teaching, dissemination and exploitation of research, public engagement thus enhancing their career and employability

To enhance the collaboration between the public and the private sector

15 research projects

RWTH Aachen University, Germany

- **ESR 1:** Perceptions of personal privacy in health monitoring technologies (in different users)
- **ESR 2:** (Dis)Trust in medical technologies and medical support considering (severe) health decisions
- **ESR 3:** Acceptance of artificial intelligence in health-related contexts

Stockholm University, Sweden

- **ESR 4:** Video-based AAL technologies and colliding legal frameworks
- **ESR 5:** Video-based AAL technologies and balancing of interests
- **ESR 6:** “Digital twins” as a way to help ensure legal compliance of video-based AAL technologies

15 research projects

Trinity College Dublin, Ireland

- **ESR 7:** Use of camera systems to support home based multiple chronic disease (multimorbidity) self-management
- **ESR 8:** Application of behavioural change theory to the design, development and implementation of camera systems to support home-based multiple chronic disease (multimorbidity) self-management
- **ESR 9:** Personalisation of self-management education/training for individuals with multiple chronic health conditions (multimorbidity) using visual based data

TU Wien, Austria

- **ESR 10:** Behaviour modelling and life logging
- **ESR 11:** Algorithmic governance for active assisted living
- **ESR 12:** AI for dementia care

15 research projects

Universidad de Alicante, Spain

- **ESR 13:** Privacy preservation in video-based AAL applications
- **ESR 14:** Context recognition for the application of visual privacy
- **ESR 15:** Perceptions of personal safety and privacy in frail elderly, disabled people and their caregivers in the context of video-based lifelogging technologies

- **Academic training:** scientific knowledge on the role of video-based systems for AAL, interdisciplinary aspects (user acceptance, data protection and behavioural science);
- **Skills training:** transferable skills that ESRs need in an academic or non-academic career;
- **Secondments programme:** enable ESRs to gain practical experience, professional input to the academic background and to build a network;
- **Visiting experts:** will share hand-on knowledge and industry-specific professional expertise complementing VISUAAL's faculty



<http://www.visuaal-itn.eu>



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[@visuAAL_ITN](https://twitter.com/visuAAL_ITN)



<https://www.linkedin.com/showcase/visuaal-msca-itn>



<https://www.youtube.com/channel/UCXqJFasYgZL5p8CtDAJ-Pzg>

good brother

Network on Privacy-Aware
Audio- and Video-Based Applications
for Active and Assisted Living

COST action 19121

HOME ABOUT WORKING GROUPS ACTIVITIES REPOSITORY NEWS CONTACT

The aim of Goodbrother is to increase the awareness on the ethical, legal, and privacy issues associated to audio- and video-based monitoring and to propose privacy-aware working solutions for assisted living, by creating an interdisciplinary community of researchers and industrial partners from different fields (computing, engineering, healthcare, law, sociology) and other stakeholders (users, policy makers, public services), stimulating new research and innovation. Goodbrother will offset the “Big Brother” sense of continuous monitoring by increasing user acceptance, exploiting these new solutions, and improving market reach.

<https://goodbrother.eu>



Join us!

Contact us on how to get involved!
How to participate in an ongoing action.



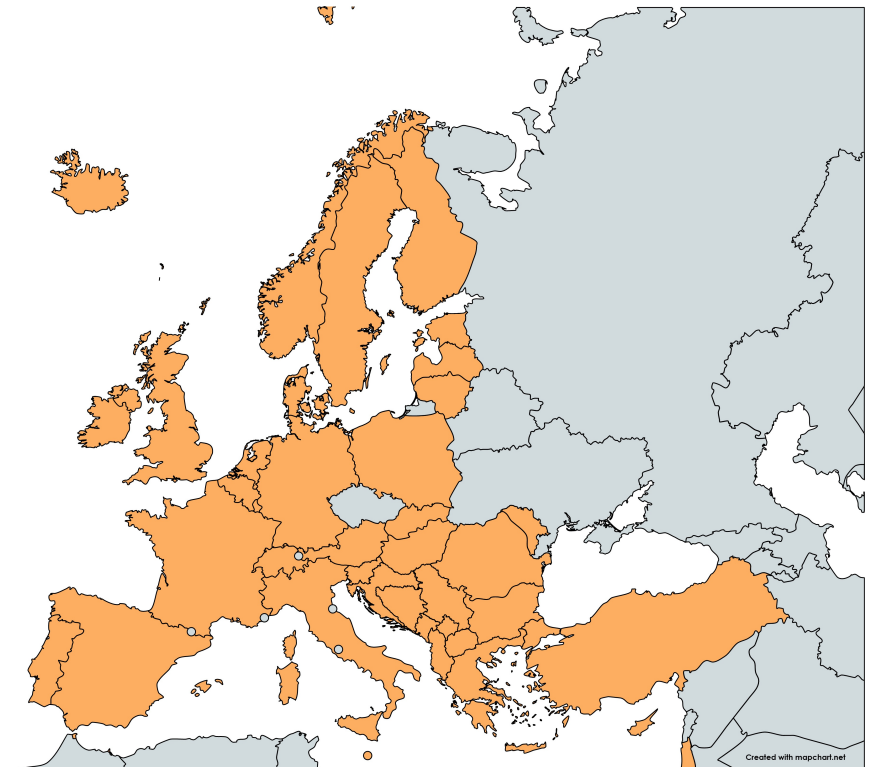
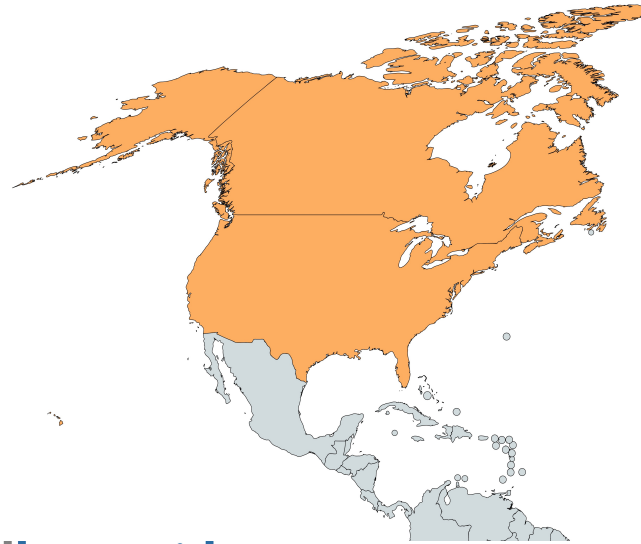
@GoodBrotherCOST



goodbrother-cost-action

About GOODBROTHER

- COST Action (2020-2024)
- More than 100 experts from 40 countries



Working Groups

- WG1. Social responsibility: Ethical, legal, social, data protection and privacy issues
- WG2. Privacy-by-design in audio and video data
- WG3. Audio- and video-based AAL applications
- WG4. Curated repository of software and data
- WG5. Dissemination and exploitation



Thank you!

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