

ESR7

ESR7 project title- **Urban Mobility Observatory: balancing usefulness and privacy**

Lead beneficiary (place of employment) – Universitat Jaume I, Spain

Supervisory team - Prof. Michael Gould and Prof. Inmaculada Remolar (Universitat Jaume I, Spain), Assoc. Prof. Jan Hajny (Brno University of Technology, Czech republic) and industrial mentors: Jose Luis Carque and Jorge Verchili Andreu (Castellon Police Department, Spain) and Stefan Beyer (S2 Grupo, Spain)

Project tasks and objectives: To investigate human attitude towards mobility data sharing, across various dimensions (motivations, willingness, purpose, incentive, etc.); To learn more about methodologies for pedestrian data sharing while walking in the city (ants analogy); To test machine learning possibilities, in real-time and post-processing, of pedestrian data. The ESR will also have the possibility to participate in the Advisory Board of the network (two ESRs are selected annually by voting among the 15 ESRs of the network). The ESR will also be involved in social media promotion of the network, such as Webropol surveys, Facebook and LinkedIn groups, Youtube video channels, Twitter and blogging.

Mobility/cross-country and cross-sector secondments including industrial training: 12 cumulated months at Brno University of Technology, Czech Republic and 3 months of industrial experience, split between Castellon Police Department, Spain (1 month) and S2 Grupo, Spain (2 months)

Eligibility: MSc degree in a relevant degree obtained after Sep 2015 and not having lived or worked more than 12 cumulative months in Spain during Aug 2016-Aug 2019.

Preferred starting date- September 2019

Trial period - 12 months

Target degree –joint PhD degree from Universitat Jaume I, Spain and Brno University of Technology, Czech republic

Approximate gross salary – about 2800 EUR/month for researchers without family (and about 3100 EUR/month for researchers with family)

Working and living conditions in Spain

Spain is the 10th country in the world with the highest quality of life and, above all, a mosaic of cultures what is reflected in the hundreds of its heritage sites. In fact, Spain is the third country in the world in UNESCO world heritage sites.

Castellón is a small city open to the Mediterranean Sea. Increasingly, Castellón attracts students from all over the world due to the international projection of the Universitat Jaume I (UJI). Read more about Spain and Castellón:

- <https://www.spain.info/en/>
- <http://www.turismodecastellon.com/es/>
- <https://www.castellonturismo.com/>

Universitat Jaume I is a higher public education institution devoted to innovation as a means to socially, culturally and economically develop its environment. It is a technology oriented University as is shown by the fact that UJI hosted the very first web portal in Spain and in Spanish language around the world. The Higher School of Technology and Experimental Sciences is a center noted for the quality of its research, its international impact in the industry and society of Castellón and surroundings areas. Read more: <http://www.uji.es>

Information about the industrial partner – **S2 Grupo** is a cybersecurity and critical information infrastructure protection (CIIP) company, established in 1999. S2 Grupo is a leading actor in the security

sector at national level and has grown internationally during recent years. Currently S2 Grupo has offices in Spain, Mexico and Colombia. For years, S2G has developed a close cooperation with customers spanning a wide range of sectors: energy, banking, finance and insurance, government, healthcare, distribution, manufacturing, utilities and critical infrastructure. The consistent high investment in R&D has made S2G a technological leader. Proof of this is the partnership with the National Cryptology Centre (assigned to the National Centre of Intelligence) for the development of the first National (Spanish) APT detection tool, and the leading role in several EU-funded projects. S2 Grupo is an advocate to society security and tries to make an impact through the CSR program too, developing activities with a special focus on the youngest at home. S2 Grupo also supports the United Nations Global Compact and has implemented work/family reconciliation and gender equality policies.