SMARTOUR
2023-1-DK01-KA220-VET-000151681

Co-funded by the Erasmus+ Programme of the European Union

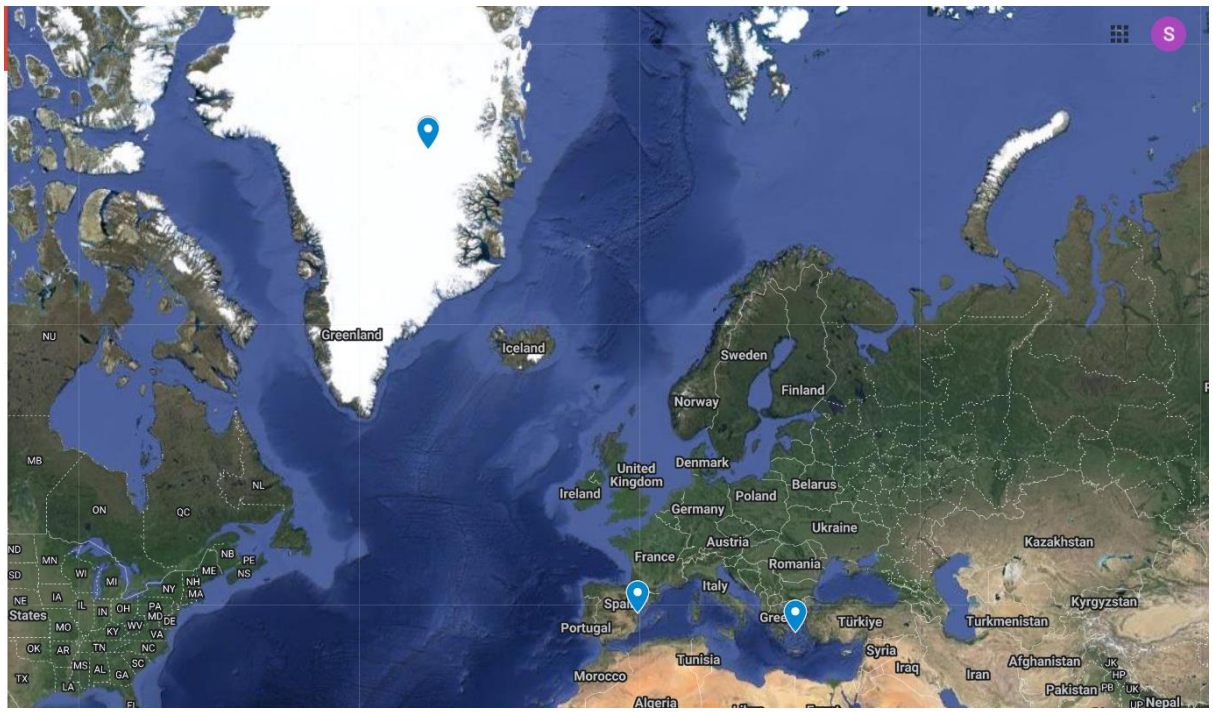
Title	Gijón Smart Cities Knowledge Chair
Date	2019
Objective	Improvement in the quality of life for residents, an efficient and sustainable use of resources, and active citizen participation.
Location /geographical coverage	City of Gijón, Asturias, Spain.
Organisation responsible for good practice	Gijón DemoLab space
Stakeholders and Partners	The beneficiaries of this model of good practices will be both tourists visiting the city and the residents themselves who wish to delve deeper into the place they live. Furthermore, in terms of education, students will be able to learn about the measures taken to ensure environmental sustainability.
Short summary	The Gijón Smart Cities Knowledge Chair promotes the development of technologies and infrastructures. Initiatives are then implemented in different areas such as smart grids, sustainable buildings, information processing and management, and efficient mobility. The Gijón DemoLab space, is a part of this Chair, where companies can test the compatibility of their IoT technology with the city's network.
Impact	The Smart Cities project has had a significant impact on transforming cities into more sustainable, efficient, and technologically advanced environments, with a more efficient integration of energy resources, facilitating the use of renewable sources and distributed energy generation. Also, The implementation of intelligent information management systems has allowed for better collection, analysis, and use of data generated at the city level. Also also, sustainable transport systems and intelligent traffic management have improved accessibility and reduced environmental impact.

Innovation	The measures implemented within the Smart Cities project represent a significant innovation in the fight against climate change by addressing various key aspects of urban sustainability. The integration of smart grids has enabled more efficient management of energy resources, promoting the use of renewable sources and the adoption of electric vehicles, thereby reducing greenhouse gas emissions. Furthermore, the promotion of sustainable buildings and efficient urban mobility systems has contributed to reducing energy consumption and environmental pollution. The implementation of secure communication channels ensures data integrity and strengthens the resilience of technological infrastructures against potential threats, thus ensuring a comprehensive and effective approach to mitigating climate change in urban environments.
Lessons learned	Sustainable buildings and efficient urban mobility are fundamental pillars in the fight against climate change, reducing greenhouse gas emissions and improving air quality in our cities. Smart information management at the urban level provides us with the ability to make informed decisions and improve service delivery to citizens, while optimizing the use of available resources. The active participation of society, businesses, and public administrations is essential for the success of Smart Cities initiatives, as they require a cultural and regulatory shift towards sustainability and technological innovation.
Tools	Educational Material: • Develop educational resources on urban sustainability and smart technologies tailored for different educational levels. • Create lesson plans, worksheets, and interactive activities that teach concepts such as renewable energy, energy

	efficiency, sustainable urban design, and cybersecurity in urban contexts. • Design educational games, videos, and infographics to engage students in learning about Smart Cities and sustainability practices. Training Workshops: • Organize training sessions and workshops for educators and professionals on renewable energy, energy efficiency, sustainable urban design, and cybersecurity. • Offer hands-on activities, case studies, and group discussions to deepen understanding and skills in implementing smart technologies and sustainable practices. Online Platforms: • Establish online learning platforms with courses and materials on Smart Cities, accessible from anywhere and at any time. • Provide interactive modules, quizzes, and forums to facilitate self-paced learning and collaboration among learners. Interactive Tools: • Develop simulators and modeling tools for students and professionals to experiment with solutions in areas such as energy planning and traffic management. • Offer virtual reality experiences and augmented reality applications to simulate urban environments and explore sustainability challenges and solutions. Collaboration and Outreach: • Establish partnerships with companies and public entities to provide real-world examples and resources for learning about urban sustainability and smart technologies.

	• Organize outreach events, webinars, and community projects to raise awareness about the importance of urban sustainability and smart technologies in building resilient cities.
Sustainability	As a good practice involving the City Council, it needs to be approved by it, as well as being properly presented to the public to ensure good integration, and ensuring that budgets and implementation time are adapted in a coherent and sustainable manner to the current circumstances of the area where the project is intended to be carried out.
Replicability and/or up-scaling	Following the same model followed by DemoLab's partners, it is very possible to extend the same process to any other city, always taking into account its dimensions.
Contact details	Adress: Edificio Departamental Oeste 4, planta 2, despacho 9. Gijón +34 985 182 283
Related Web site(s)	https://gijondemolab.es/
Related resources that have been developed	Which training manuals, guidelines, data sheets, posters, images, video and audio documents have been developed in the framework of good practice?

Interactive map of good practices



SMARTOUR
2023-1-DK01-KA220-VET-000151681

Web site:
E-Learning:

Co-funded by the Erasmus+ Programme of the European Union