

INSPIRE CONFERENCE 2020
Webinar session proposal

TITLE DETAILS

The role of smart cities in meeting objectives of the Green Deal

(04/06/2020, 11:00 – 12:30)

WORKSHOP FACILITATOR DETAILS

Name: Halmos, Andrea

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WORKSHOP DESCRIPTION INCLUDING LEARNING OBJECTIVES

The European Green Deal recognises the role of cities and communities to protect and increase biodiversity in urban spaces, improve and restore damaged ecosystems to improve ecological status as well as to contribute to the ambitious reduction of greenhouse gas emissions. This requires an urban digital ecosystem that allows creating value-added services, but also for simulations of policy choices to decision-makers across cities and communities in the EU. Cities need to have insights, actionable evidence on the state of the environment and interactions between the economy, society and the environment.

Data-driven 'green urban services' as well as digital twins of cities may provide useful tools for these purposes. Artificial Intelligence (AI) used on a large set of environmental, geospatial and climate-related data, can in particular help monitor, analyse and potentially act without human intervention, in order to effectively deliver on the Green Deal's objectives in smart cities. Implementing data-services can also unlock business opportunities for data services and spur a European smart cities market.

Cities therefore, need to have access to locally relevant, cross-sectoral (environment, climate, mobility, energy, waste, resilience, etc.) as well as Geographic Information Systems (GIS) data, which will be supported by the establishment of for example a common European Green Deal data space, mobility data space and energy data space, put forward by the recent European Strategy for Data¹. Data from the INSPIRE Directive can support administrative decisions, such as urban planning, land use, citizen participation on use of urban spaces or participatory budgeting, energy efficient building, road safety using maps, managing protected areas, flood threats or issuing building permits and their impact on the environment.

In order to support the large variety of different data flows in a smart city context, the European Commission is encouraging the use of standard-based, interoperable urban platforms².

¹ COM(2020) 66 final

² www.living-in.eu

INSPIRE CONFERENCE 2020

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The workshop on 'The role of smart cities in meeting objectives of the Green Deal' will showcase smart city data services and digital twins of cities that also use INSPIRE data, in support of the environmental and climate objectives of the Green Deal. It will and bring together various stakeholders with the objective of discussing the governance model of urban data and the potential Artificial Intelligence has in this helping smart cities meeting the objectives of the Green Deal.

INSTRUCTIONS FOR PARTICIPANTS

- Audience (aiming at 100) will cover both the INSPIRE and smart cities constituencies as well as technology providers and Digital Innovation Hubs
- Sli.do will enable participants to answer the following questions during the webinar:
- Recording will be published on INSPIRE Youtube channel
- The replies from the Sli.do as well as the report / conclusions from the session will be followed up by continued discussions on the INSPIRE Forum

DETAILED WORKSHOP AGENDA

Welcome

Context ('20)

- The role of smart cities in meeting objectives of the Green Deal, Policy Context - Andrea Halmos, European Commission, DG CONNECT, H5
- Geospatial data for smart city application – Francesco Pignatelli, European Commission, JRC

Panel ('50)

- Towards a smart communities' dataspace, Martin Brynskov, Open & Agile Smart Cities (OASC)
- IoT and AI powered urban digital services, Srdjan Krčo, Novi Sad in SynchroniCity project
- Helsinki Digital Twin, Jarmo Suomisto, Helsinki 3D+
- Transforming urban transport, Akrivi Kiouisi, Transforming Transport project

INSPIRE CONFERENCE 2020

Webinar session proposal

- Sustainable energy and mobility in the Brainport Region, Trinidad Fernandez, Triangulum project
- AIR4S Digital Innovation Hub, Javier Valero Criado, Spain
- Discussion – 15'

Sli.do

Conclusions & Next steps – 5'