Contribution ID: **183** Type: **Workshop**

INSPIRE Hackathon 2020 - ”Leveraging interoperable frameworks, artificial intelligence and citizen science for Sustainable Development Goals

This is the fifth year of the INSPIRE Hackathon. The workshop aims to present the hackathon results and award the best projects. The hackathon will start before the conference already at the end of February 2020. The hackathon itself and the team work will be done remotely.
The INSPIRE Hackathon 2020 is in line with the motto of the INSPIRE Conference - “Bringing sustainability and digitalisation together”. The hackathon is co-organised and supported by the H2020 WeObserve project (https://www.weobserve.eu/) that aims to create a sustainable ecosystem for Citizen Observatories for environmental monitoring and improve coordination between related regional, european and international activities. The goal of the hackathon is to promote collaboration and sharing of experience in the domain of spatial data/services and citizen-science while showcasing their utilisation and uptake to different application domains and themes. This includes supporting the Sustainable Development Goals.
The topics of the INSPIRE Hackathon 2020 include:

- Artificial Intelligence solutions with integrated use of citizen science data
- Demonstrating interoperability between citizen-science tools and datasets while leveraging innovative protocols, standards and frameworks
- Facilitating integration between citizen-science and existing infrastructures/systems for environmental monitoring
- Artificial Intelligence and citizen science applied for the agricultural sector (EO4AGRI)
- Showcasing integration between INSPIRE, GEOSS, COPERNICUS and citizen-science data, focusing on standardisation, web APIs and novel processing frameworks (i.e. machine learning), towards the creation of added value applications.

The target domains include:
- Environmental monitoring and policy making
- Agriculture and sustainable bioeconomy
- Disaster resilience
- Transport applications for policy making
- Planning
- Environmental protection
- Internet of Things
- Weather
- Biodiversity

Each team will be evaluated by the jury based on the following criteria:
Combination of Remote sensing, INSPIRE and Citizen Science data or services

- Utilisation of AI tools
- Readiness level
- Innovation
- Sustainability of solution
- Contribution to the Sustainable Development Goals

- Cross sectoral interoperability
- Cross boundary interoperability

Sub-category

2.2 Artificial intelligence

IJSDIR

No, I will not submit an article to IJSDIR

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Track Classification: 2: Digital solutions