Workshop: Citizen Science - Data and Service Infrastructure

ECSA Data Tools and Technology Working Group
ENVIP'2015

Institut de Ciències del Mar (Barcelona). Friday 30 October 10:00 to 13:30

Aims of the Workshop

- Formalizing a common understanding of interests in the Citizen Science data space
- Explaining problems that Citizen Science projects face regarding data
    - Interoperability
    - Data reliability, e.g. how Citizen Science data can be trusted and plugged into environmental regulation and monitoring requirements from governments
    - Privacy
    - Intellectual Property rights
- Brainstorming solutions regarding integration of existing initiatives
- Clarify and agree on strategies and relationships between ECSA and among other Citizen Science Associations (CSA, ACSA)

Outputs from the Workshop

- Roadmap of next steps with deadlines and people committed to deliver as well as long-term goals
- Questionnaire for Citizen Science projects to respond to on the contents of the Roadmap
- List of issues to address together, including interoperability challenges to tackle with people interested to work on each. Examples:
    - Sensor Web Enablement for Citizen Science
    - Data Quality assurance methods
    - Social Networking Services
    - Methods to ensure data privacy
- Draft of a conceptual model that characterizes and standardizes the communication and processing functions of Citizen Science Observatories/Systems without regard of their underlying internal structure and technology
- Identify sources of funding (or consider a programmatic approach, with projects to realize parts)

Agenda

10:00-10:10	**Welcome**
10:10-10:30	Summary of the conclusions from the Working Group session (Thursday)
10:30-11:00	**Lightning Talks**
	- Citizen Observatories: examples of architectures and platforms, including CITI-SENSE. Arne J. Berre
	- Data interpretation and knowledge-based systems integration. Alexander Steblin
	- SWE Sensor Web profile for Citizens Science. Ingo Simonis
11:00-11:30	*Coffee Break*
11:30-13:15	**Discussion in plenary and in groups to extend the results from the Thursday workshop and elaborate a Roadmap**
13:15-13:30	Wrap up and Closing