



Advances in the EGI-LifeWatch Competence Center

Santander meeting, 2-4 Sept 2015



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Objectives of the meeting

- **Understand EGI-LW-CC as a distributed e-infrastructure**
 - Framework: EGI FedCloud
 - Resources and Support
 - Training needs
- **Analyze how to support LW VRE**
 - Marine VRE
 - Non-marine VRE
- **Discuss technically on Competence Center mini projects**
 - Ecological Observatories Data Flow and “Big Data” analysis
 - Workflows: Galaxy and TRUFA; Network of Life
 - Citizen Science: Assisted Pattern Recognition
- **Translate the discussion into wiki, recipes, deliverables**
- **Prepare to launch new initiatives**

Outlook of the meeting

SEE: <https://indico.egi.eu/indico/conferenceTimeTable.py?confId=2631>

Wednesday (day 1)

- Morning: Citizen Science
- Afternoon: FedCloud, support to VRE
- Afternoon (cont'd): Services and Outreach

Thursday (day 2)

- Morning: Data Flow, Big Data (R, Ipython)
- Afternoon: Workflows (Galaxy, Trufa, Network of Life)
- Afternoon (cont'd): New initiatives

Friday (day 3)

- Morning: Wrap-up
 - Including update of wiki and deliverables



Citizen Science

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LifeWatch Competence Center

BRIEF REMINDER (AFTER LISBON PRESENTATION, see <https://indico.egi.eu/indico/contributionDisplay.py?sessionId=64&contributionId=208&confId=2452>)

TASK SA2.7 (in EGI-Engage) LifeWatch (Lead partner: IFCA, M1 – M30)

- The goal of the LifeWatch EGI CC is to capture and address the requirements of Biodiversity and Ecosystems research communities.
- To achieve this the CC will
 - **deploy cloud and GPGPU based e-Infrastructure** services required to support data management, data processing and modelling for Ecological Observatories,
 - explore possibilities to **increase the participation of citizens in data-intensive biodiversity research**,
 - facilitate the adoption and exploitation of the EGI infrastructure by the LifeWatch user community.

LW-CC Deliverables & Milestones

Assigned to SA2.7

- **D6.1:** Assisted pattern recognition tools integrated with EGI for citizen science (OTHER, **M09=NOVEMBER**)
- **D6.6** Data flow handler and basic R tools to integrate and process data from Ecological Observatories on EGI (DEM, M12)
- **D6.18** Report on the installed LifeWatch applications and their usage record (R, M24)

Related to SA2.1 Training

- **M6.1** Joint training program for the first period is agreed M03
- **M6.5** Joint training program for the sec. period is agreed M15

Agenda for Citizen Science session

-Assisted Pattern Matching

- General Review (incl. Mathematica, etc)
- Caffee tool
- MASSA tool
- Integration with iNaturalist –like application

-Citizen participation event

- D4.1 Updated analysis of ongoing initiatives on citizen science for Biodiversity and Ecosystems Research. Type: Report. Due M3 (May)
- D4.2 Initial list of actions oriented to citizen science using LW-DCC Type: Report, Due: M6 (August)
- **D4.3 Integration of assisted pattern recognition tools. Type: prototype. Due: M9 (November)**
- D4.4 Report on the success of citizen oriented initiatives and proposal for future work. Type: report. Due:M12 (March 2016)
- D4.5 Report of the public participatory event day. Type: report. Due: M12