



Meeting: EGI-Lifewatch Competence Centre
Date and Time: Wed 3rd Nov. 2015 – 11:00
Venue: Webex
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1. Participants

#	Partner	Name and Surname	Abbr.	Comments
	IFCA-CSIC	Jesús Marco de Lucas	JMdL	
		Fernando Aguilar	FA	
		Aida Palacio	AP	
	EGL.eu	Enol Fernández	EF	
		Gergely Sipos	GS	
	LIP	Mario David	MD	
	UL	Julien Radoux	JR	
	UniSalento	Nicola Fiore	NF	
	INFN	Giacinto Donvito	GD	
	UVA	Peter Van Tienderen	PvT	
		Wouter Los	WL	
	HCMR	Emmanouela Panteri	EP	
	BIFI	Francisco Sanz	FS	
	UGr	Francisco Bonet	FB	
	VLIZ	Tjess Hernández	TH	
		Klaas Deneudt	KD	
		Bart Vanhoorne	BV	
	GBIF	Francisco Pando	FP	
	IN2P3	Vincent Breton	VP	
	UPV	Ignacio Blanquer	IB	

2. AGENDA BASHING

Galaxy

IB reports regarding the status of Galaxy. We will discuss at Bari how to manage workflows and IB will make a presentation about galaxy use.



Update on VRE

JR: The first beta version of Terrestrial and Fresh water VRE has been launched and it is under testing. More web services accessing is needed.

We have to find out how the LW CC FEDCLOUD EGI could contribute to improve the VRE, for instances, giving resources to researchers to perform R analyses. Storage is an important point rather than computer power. It must be discussed.

JR won't be able to go to Bari, but he could assist remotely. (Action: check with Giacinto if connection available in Bari)

Report on Citizen Science

Lifewatch-CC Deliverable 6.1 is in a draft version and it will be distributed soon.

Three different images set have been used in order to train the model. The accuracy of them is from 56% to more than 90%. They have developed also an app that can be combined with the trained model in order to identify an image.

JR: They are also classifying images from satellite data (discussion: approach could be quite different than for flower images).

Discussion of potential working group on pattern recognition pending.

Tools to support the definition of requirements

We need a tool to manage the needs not only in terms of functional requirements but also in terms of hardware resources (cores, TB, etc). We have not found yet a tool to manage the hardware resources needed by Lifewatch community, but OpenProject could be a solution for that (adapting the features somehow). An OpenProject instance has been launched in FedCloud resources and it is under testing.

As repository, we have created a GitHub public repository. All development including in the image classification is being uploaded there. Currently there is no way to integrate it directly with OpenProject, but it can be linked.

Setup of Working Groups

ACTION: A doodle to join to a Working Group will be set up.

For each working group: mailing list, wiki and everything needed to work together.

~~MongoDB~~ NoSQL

MongoDB is too specific and does not fit to every requirement. For example, for network of life, mongoDB cannot act as graph db. ArangoDB could match with the requirements in this case.

For the rest of use cases, this working group should know what type of database manager is needed. That is why the Working Group will be called NoSQL.



VLIZ people use mongoDB to store images, and the database will be also soon in Lifewatch infrastructure. Mario David (LIP, Pt) has volunteered to coordinate this group.

R WG

Emmanouela Panteri (HCMR, GR) offered to coordinate the working group. There will be for sure interested people from Amsterdam. INFN is also interested in become part of the working group. Julien group as beta testers. Nicola: Lifewatch Italy is also interested.

Storage

Too technical for Klass to lead it. We need to find another leader. Lifewatch Spain is exploring the use of oneData (EGI proposed solution) but it is not obvious yet if it fits our expectatives. Alternatives like ownCloud could be explored. GD: INFN interested also in this part, as INDIGO will also provide a storage solution. Coordinator: pending

AAI

For IaaS we are using X509 certificates. We need a solution for PaaS or SaaS. We are following discussions on INDIGO, EGI, AARC.

WL: WE should follow other AAI projects and be sure that Lifewatch is one of the main use cases.

JM: Peter Solagna is already a link to AARC.

No one offered for coordination.

Citizen Science

Different initiatives in National Lifewatch: Sweden, Netherlands, Italy, Greece, Belgium, Spain...

Right now it is also an activity, but the technical side could be emphasized inside the WG.

Coordination: Francisco Sanz (BIFI)

WL: H2020 call for Citizen Science and ecology, promoted by citizen science association.

JMdL, Fran: BIFI is part of this association.

International Collaboration Opportunities

Curro Bonet presented the COOP+ project (COOPEUS follow up) that has been finally funded and it will start next January (duration 30 months). It will join research infrastructure efforts not only from US and Europe (as COOPEUS did) but also from Brazil, Australia, Canada, Asia and America. We have very good contact partners like NEON or DataONE.



Agenda for BARI

The agenda for Bari is almost ready (minor corrections after meeting included):

- 1: Intro and summary of progress in EGI LW CC (Jesus, 5')
 - 2: Status of FedCloud setup for LW (Fernando/Enol) (15')
 - 3: Observatories: VREs and Data portals
 - Update of progress on the terrestrial and fresh water VRE (Julien 10')
 - LifewatchGreece Portal: Semantic web with Data services, Parallelizing R with RvLab, Manipulating specimens with MicroCT (Emmanouela 20')
 - Update of progress on the invasive species VRE (preliminary title, Nicola 10')
 - 4: Implementation of workflows using Galaxy (Nacho 15')
 - 5: Status of the Citizen Science application: training NN for image recognition (Eduardo 15')
- Notice that Eduardo will present the demo on Tuesday morning, and the deliverable will be send to the EGI LW CC mailing list this week.
- 6: *Using OpenProject to track activity within the CC --likely will not be an item of the agenda, as it will be pre-discussed and hopefully being implemented by Bari*
 - 7: AOB

3. Actions

ID	Resp.	Description	Status ¹
A1	IFCA+EGI.eu +ALL	Check what would be the best solution for having a general support system. It needs a functionality to scale the tickets to different units (e.g. infrastructure tickets, service tickets, etc.). Right now the RT ticket system at IFCA is used. People from HCMR could help.	ONGOING
A2	ALL	Set up MongoDB NoSQL working group	ONGOING
A3	ALL	Set up GeoServer working group	ONGOING
A4	ALL	Set up R working group (Rshiny, Rserver, etc.)	ONGOING
A5	ALL	Set up Storage working group	ONGOING
A6	ALL	Set up AAI working group	ONGOING
A7	BIFI	Set up Citizen Science Working group	ONGOING
A8	ALL	Demo from different working groups to February	ONGOING

¹ NEW, OPEN, CLOSED, REJECTED



A9	ALL	Report from different working groups in Bari (November)	ONGOING
A10	IFCA	Compare TRUFA and Galaxy	ONGOING
A11	BIFI+RJB	Open day – Citizen Science. Select date.	ONGOING
A12	BIFI+IFCA	Understand Neural Network business.	COMPLETED
A13	BIFI+CIBIO	Train flowers. Then train plants.	ONGOING
A14	RJB	iNaturalist-like app developing	ONGOING
A15	BIFI+RJB +CIBIO	Didactic vision of use case.	NEW
A16	IFCA	CRM for different customers/projects.	ONGOING
A17	ALL	Check calls for new initiatives.	COMPLETED
A18	ALL	Demos for Rome’s meeting	COMPLETED
A19	ALL	Set up Workflows Working group	NEW
A20	IFCA	Send a doodle to join WGs	NEW