

# Community requirements DB

The first column are links to the entries in the DB. Each of such an entry details the user stories, use cases and technical requirements of the given community.

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Community	Community contact	Type of community	Short description	Interviewer	Date of interview
<a href="#">EMSO-ERIC</a>	Ivan Rodero, <a href="mailto:ivan.rodero@emso-eu.org">ivan.rodero@emso-eu.org</a>	Others (Project initiatives and ERIC)	European Multidisciplinary Seafloor and water-column Observatory (EMSO) is a large-scale European distributed Research Infrastructure (RI) for ocean observation.	<a href="#">Giuseppe La Rocca</a>	
<a href="#">STARS4ALL</a>	Esteban Gonzalez Guardia (e.guardia@gmail.com)	crowd sourcing infrastructure	<p>STARS4ALL is a community concerned with the light-pollution problem; involved in EOSChub as a EAP</p> <p>"STARS4ALL (<a href="http://www.stars4all.eu">http://www.stars4all.eu</a>) was originally a project funded by the European Union H2020Programme (688135) to create awareness among citizens about the light pollution problem. For this purpose, it deploys aplatform to give support to some light pollution initiatives. These initiatives include a photometer network(<a href="http://tess.stars4all.eu">http://tess.stars4all.eu</a>) to continuously monitorize the light pollution, using photometers to measure the sky brightness. Inthis context, it deploys a platform (<a href="http://tess.dashboards.stars4all.eu">http://tess.dashboards.stars4all.eu</a>) to show the measurements in some dashboards. Besides the photometer network, STARS4ALL gives support to citizen science initiatives like Cities At Night . Alldata is published openly in our Zenodo's community (<a href="https://zenodo.org/communities/stars4all">https://zenodo.org/communities/stars4all</a>).The project was completed in 2018 but STARS4ALL continues the work through the foundation created for this purpose.</p> <p>STARS4ALL made a proposal for the first call of EOSChub EAP and the user stories and use-cases are derived from that and from discussions with the project PI</p> <p><i>5-5-2019 Story and use-cases were updated on the basis of the now accepted EAP proposal and last insights</i></p>	-	-
<a href="#">Integration of toxicology and risk assessment services into the EOSC marketplace Skip to end of metadata (EAP)</a>	Thomas Exner, <a href="mailto:thomas.exner@edelweissconnect.com">thomas.exner@edelweissconnect.com</a>	Others (EAP)	OpenRiskNet/OpenRiskNet is providing an e-infrastructure to the communities involved in safety assessment, including toxicology and especially predictive toxicology, systems and structural biology, bioinformatics and its subtopics toxicogenomics, cheminformatics, biophysics and computer science specifically targeting the EU's chemical manufacturing industries, e.g. pharmaceutical companies, chemical and agrochemical industries and cosmetic industries, and the corresponding regulatory agencies.		
<a href="#">CR: Open AiiDALab platform for cloud computing in Materials Science (EAP)</a>	Leopold Talirz <a href="mailto:leopold.talirz@epfl.ch">&lt;leopold.talirz@epfl.ch&gt;</a>	Others (EAP)	The AiiDALab brings the AiiDA workflow manager for computational science ( <a href="http://www.aiida.net">www.aiida.net</a> ) to the cloud. The AiiDALab web platform gives novice users access to their personal pre-configured AiiDA environment in the cloud. The AiiDALab uses docker for user containers, and kubernetes for orchestration. Users get persistent home volumes for active use (no long-term storage component).	<a href="#">Enol Fernandez del Castillo</a>	27 Apr 2020

Big Data Analytics for agricultural monitoring using Copernicus Sentinels and EU open data sets pilot (EAP)	Guido Lemoine (JRC)Guido.LEMOINE@ec.europa.eu	Others (EAP)	The key aspect in the early adopter demonstrator is to show how federated EOSC resources can facilitate a range of Sentinel data applications across agricultural user domains and demonstrate the use of advanced Big Data Analytics (BDA) approaches applied to multi-annual high resolution Copernicus Sentinel time series and EU open access reference data sets.	Enol Fernandez del Castillo	
Towards a Global Federated Framework For Open Science Cloud	Hussein Sherief, Director AASCTC Khartoum hussein.sherief@aasctc.com  Jianhui Li, Director of CSTCloud (CNIC-CAS) lijh@cnic.cn	Others	The ultimate goal of the project is to empower the scientific researchers from Africa and China to interact with EOSC services and data - publish data sets and data analysis services to EOSC Marketplace and access them from outside of Europe	Giuseppe La Rocca	
VESPA	Baptiste Cecconi baptiste.cecconi@obspm.fr Observatoire de Paris	Thematic Services / Competence Centers / Business Cases /Others	VESPA (Virtual European Solar and Planetary Access) is a mature project, with 50 VESPA providers distributing open access datasets throughout the world (EU, Japan, USA).	Baptiste Grenier baptiste.grenier@egi.eu EGI Foundation	
ENVRI-FAIR	Zhiming Zhao	Others (EaP)	The ENVRI-FAIR IT development WP (WP7) is responsible for co-designing, developing, testing, and validating the common services developed in the ENVRI-FAIR RIs, together with WP8-11 for 4 specific environmental sub-domains. The proposed project aims to use EOSC services (Cloud, DevOps, Jupyter, and Storage) to enhance the development of ENVRI common operations and their future deployment in the EOSC environment.	Andrea Manzi	04 Mar 2020
OpenBioMaps data management service for biological sciences and biodiversity conservation	Dr. Miklós Bán (banm@vocs.unideb.hu)	Others (EAP)	This EAP case would like to create a service with EOSC that allows multiple users to run tasks that are above the level of a PC through the same interface. In fact, it would like to develop a "service in service" - specifically for projects that collect nature conservation and biodiversity data.  To serve these diverse tasks this case needs a fully configurable VM which let us deploy our service interface (API) which will be available in the OpenBioMaps Network and provide computation capacity access to the involved projects.	Miguel Caballer	
AGINFRA+	Leonardo Candela, National Research Council of Italy  leonardo.candela@isti.cnr.it	Thematic Services / Competence Centers / Business Cases /Others	AGINFRA+ Virtual Research Environments to Support Agriculture and Food Research Communities	Pablo Orviz, Spanish National Research Council  orviz@ifca.unican.es	
CompBioMed	Marco Verdicchio (marco.verdicchio@surfsara.nl), CompBioMed Technical Manager	Others	CompBioMed is a center of excellence (COEs) in computational Biomedicine. The data-intensive workflows and international partners involved in the CompBioMed community urge the use of proper data management solutions for handling large data over distributed sites. We aim to support FAIR research data life cycle, by practicing and implementing data publication workflows, data provenance and curation, and making reproducible data.	Narges Zarrabi	

ECRIN-ERIC		Others (EAP)	Supporting FAIR data discoverability in clinical research: providing a global metadata repository (MDR) of clinical study object	<a href="#">Hans van Piggelen</a>	
MESSAGE x-GLOBIOM (EAP)	Bas van Ruijven (IIASA, Austria, <a href="mailto:vruijven@iiasa.ac.at">vruijven@iiasa.ac.at</a> )	Others (Early Adopter Program)	<a href="#">Mapping the sensitivity of mitigation scenarios to societal choices pilot</a>	Alessandro Costantini (INFN, Italy, <a href="mailto:alessandro.costantini@cnaf.infn.it">alessandro.costantini@cnaf.infn.it</a> )	Oct 24th 2019
PHENOME-EMPHASIS	Vincent Nègre, INRA – France, <a href="mailto:vinc.ent.negre@inra.fr">vinc.ent.negre@inra.fr</a>	Thematic Services - Plant sciences, agricultural sciences	<p>Towards an e-infrastructure for plant phenotyping</p> <p>Involved in EOSChub as a EAP.</p> <p>In recent years, technological progress has been made in plant phenomics (major improvements concerning imaging and sensor technologies). High-throughput plant phenotyping platforms now produce massive datasets involving millions of plant images concerning hundreds of different genotypes at different phenological stages in both field and controlled environments. Networks of sensors also measure environmental conditions in real time. The ongoing robotization of experimental processes foreshadows an explosion in the volume and complexity of the data produced by the different research facilities. There is a need for an integrated and federated solution for data management and data processing.</p>		
Raman spectroscopy data - CNRS Saint-Gobain	Dejain Skrelic ( <a href="mailto:dejan.skrelic@saint-gobain.com">dejan.skrelic@saint-gobain.com</a> ), Emmanuelle Gouillart ( <a href="mailto:Emmanuelle.Gouillart@saint-gobain.com">Emmanuelle.Gouillart@saint-gobain.com</a> )	Others	CNRS	<a href="#">Diego Scardaci Daan Broeder Giacinto Donvito</a>	08 Jan 2019
CLARIN	Dieter Van Uytvanck, Willem Elbers	Thematic Services	<a href="#">CLARIN</a>	<a href="#">Sara Ramezani</a>	17 May 2018
DARIAH	Marica Antonacci	Thematic Service	<a href="#">DARIAH</a>	<a href="#">Shaun de Witt</a>	2018-03-28
8.7 ICOS-eLTER (CC)	Alex Vermeulen, Maggie Hellstrom	Competence Center	ICOS		
8.3 Marine (CC)	Thierry Carval (Argo)  Dick Schaap (SeaDataNet)	Competence Centre	Marine CC (Task 8.3)		
8.2 Fusion (CC)	Shaun de Witt  Andrew Lahiff	Competence Centers	Fusion CC		
8.8 Disaster Mitigation plus (CC)	Eric Yen	Competence Center	Disaster Mitigation plus		
8.5 EPOS-ORFEUS (CC)	Luca Trani, Javier Quinteros	Competence Center	EPOS-ORFEUS		

EO Pillar	Christian Brieze	Thematic Services	T7.7 EO Pillar	Enol Fernandez del Castillo	30 Apr 2018
WeNMR	Alexandre Bonvin	Thematic Services	T7.6 WeNMR	Claudio Cacciari Baptiste Grenier	03 Apr 2018
OPENCoastS	Anabela Oliveira <a href="mailto:aoliveira@lnec.pt">aoliveira@lnec.pt</a> deputy: Alberto Azevedo <a href="mailto:azevedo@lnec.pt">azevedo@lnec.pt</a> , technological development deputy: João Rogeiro <a href="mailto:jrogeiro@lnec.pt">jrogeiro@lnec.pt</a>	Thematic Services	T7.5 OPENCoastS	Pablo Orviz	22 Mar 2018
ECAS /ENES	Tobias Weigel	Thematic Services	Climate Science	Shaun de Witt	2018-04-19
8.6 Radio astronomy (CC)	Hanno Holties, Rob van der Meer	Competence Center	Radio astronomy CC task		
8.4 EISCAT_3D (CC)	Ingemar Häggström	Competence Centre	EISCAT_3D		
8.1 ELIXIR (CC)	Susheel Varma	Competence Center	ELIXIR CC (Task 8.1)		
GEOSS	Mattia Santoro	Thematic Services	T7.4 GEOSS	Enol Fernandez del Castillo	20 Mar 2018 '16 May 2018 '31 May 2018
MaX Centre of Excellence	Giovanni Pizzi ( <a href="mailto:giovanni.pizzi@epfl.ch">giovanni.pizzi@epfl.ch</a> )	Others	Max CoE	Diego Scardaci Enol Fernandez del Castillo Sara Ramezani	12 Mar 2019
Chemnitz, University of Technology	Andre Langer ( <a href="mailto:andre.langer@informatik.tu-chemnitz.de">andre.langer@informatik.tu-chemnitz.de</a> )	Others	Chemnitz, University of Technology		
Kampal Data Solutions	Elisa Cauhe	Business Pilot	Spin-off company from the Univ. Zaragoza that the DIH (WP9) will support through a €5k service voucher to support complex network simulations	Sy Holsinger Marcín Pociennik	06 Dec 2018

CLARIAH / Digital- Humanities	For now: Gertjan Filarski, Daan Broeder from KNAW /HuC	Thematic Services / Competenc e Centers / Business Cases /Others  National research projects, competenc e centers with connection s to the EU CLARIN ad DARIAH organisatio ns.	CLARIAH / Digital-Humanities is a community that partially overlaps the different CLARIN and DARIAH projects and initiatives in a few European countries. The research infrastructure this community needs and is building is meant to support the broad Humanities and Social Sciences, with a focus on information extraction of and interoperability and reuse of information, usually employing LoD technologies for that purpose.	tbd	tbd
DODAS	Daniele Spiga	Thematic Services	T7.2 DODAS	Marica Antonacci	
BLANK REQUIREM ENT FORM		Thematic Services / Competenc e Centers / Business Cases /Others	This entry was added to have a form that can be exported for offline use.		