

The logo for ESCAPE (European Science Cluster of Astronomy & Particle physics ESFRI research Infrastructures) is centered in a white circle. It features a stylized blue starburst at the top, the word "ESCAPE" in large, bold, dark blue capital letters, and a yellow sun-like icon at the bottom. Thin blue curved lines frame the central text.

ESCAPE

European Science Cluster of Astronomy &
Particle physics ESFRI research Infrastructures

WP3 @LAPP - update

18/01/2020

Thomas Vuillaume



OSSR – demonstrator

- Demonstrator : <https://zenodo.org/communities/escape2020/>
- How to contribute (upload): <https://zenodo.org/record/3743489#.XwMXWpMzZhE>
- POC implementation of software metadata
 - Uses Codemeta.json
 - https://gitlab.in2p3.fr/escape2020/escape/escape_metadata_template
 - Provide the necessary information on uploads for other ESCAPE services

- Integration of the development platform and of the repository
 - Automated publication of software releases
 - Automated build of containers for the analysis platform



- ➔ Provide a complete solution for researchers to
 - ➔ Develop collaboratively (gitlab)
 - ➔ Publish their software and each new version in the repository (archived source code, get a DOI, findable, citable...)
 - ➔ See their software containerised and ready to test/use by other researchers
- ✓ Conceptual design report on the software and service repository (D3.3)

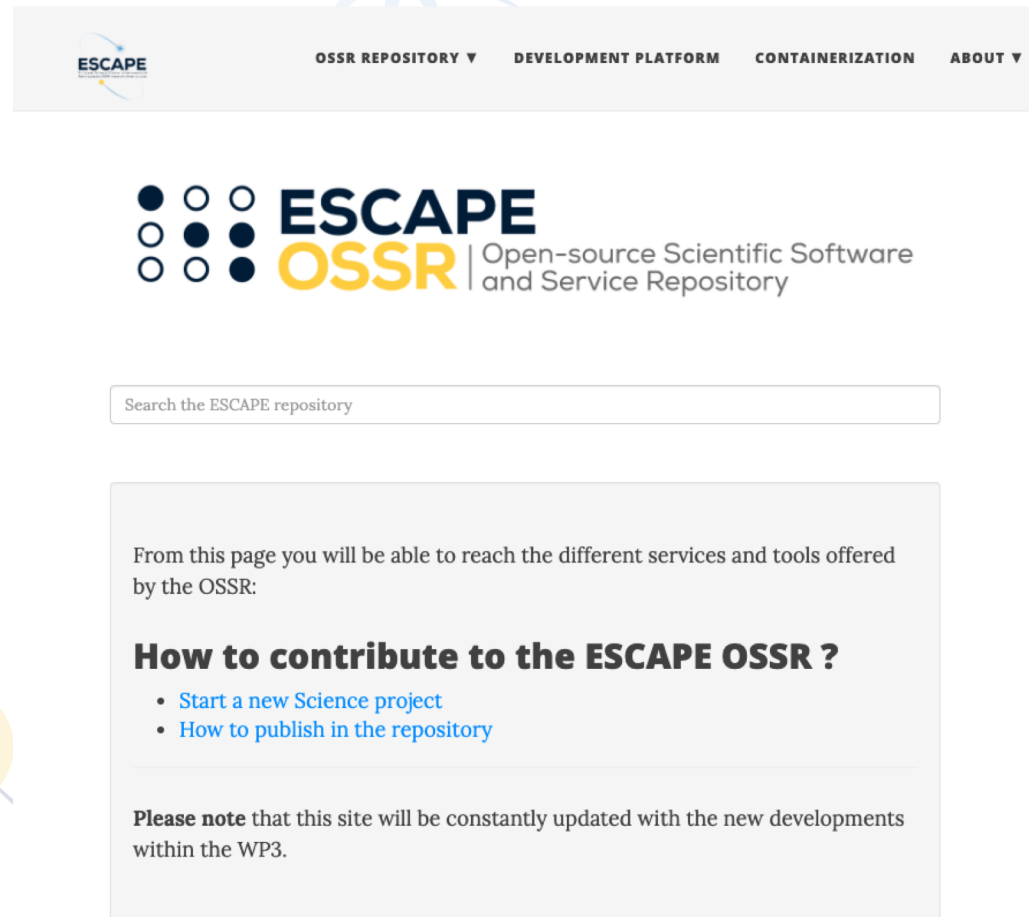
People involved: Enrique Garcia & Thomas Vuillaume



OSSR webpage

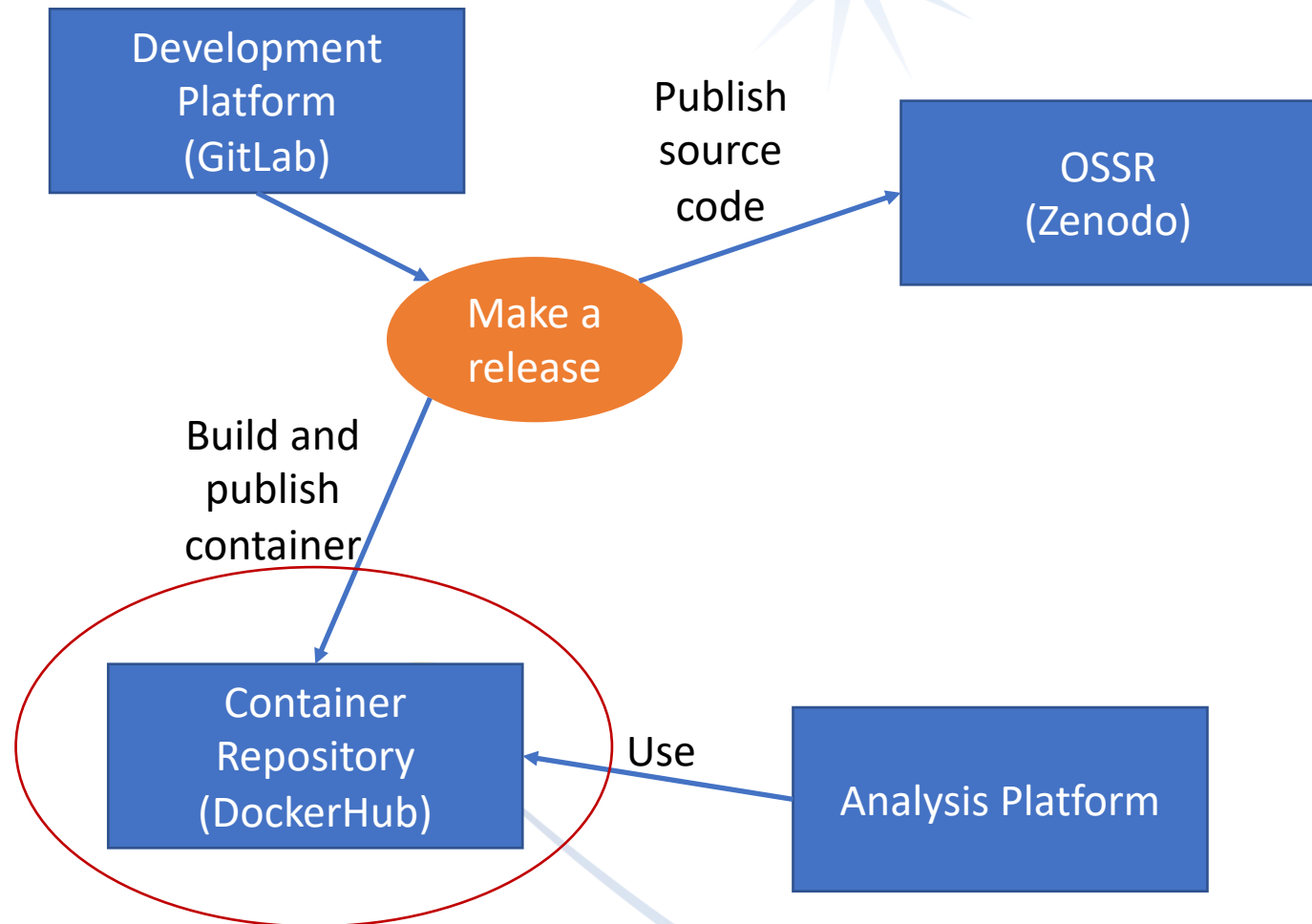
<http://purl.org/escape/ossr>

- Entry point for ESCAPE users
- gather developments about the OSSR



DockerHub – under dev using gitlab registry

Goal: provide a platform to release the containers



OSSR onboarding

- Every two weeks
- Presentation of a software or service in the WP3 by the author
- How it integrates in the ESCAPE environment
- Onboarding: upload code in the OSSR



Next deliverable

- D3.7 « Licence and provenance model for the software and service repository »
 - Deadline : 31/01/2021
 - Written and in good shape: under review within WP3
 - Provides :
 - guidelines to projects for a licence and provenance model
 - Implementation choices for the OSSR (codemeta)

<https://cloud.escape2020.de/index.php/s/q4KOqZvgMZyC8Jy>

Comments are welcome, email me directly



CTA real time event reconstruction

- In-Kind contribution to CTA Observatory
- Part of *Science Alert Generation*, led by Andrea Bulgarelli, INAF Bologna in CTAO work package ACADA
- Providing library for online event reconstruction hiPeRTA and its integration in CTA computing environment
- Working on testing it for LST1 using La Palma's cluster
- First deliverable to ACADA: 20/12/2020
 - now under integration review until 31/01/2021
- Library should be provided in the OSSR

People involved: Enrique Garcia, Pierre Aubert & Thomas Vuillaume



GammaLearn

- Started under ASTERICS, Mikael's PhD
- Deep learning solution for CTA event reconstruction
- Very good results on simulated data
- Several technical publications already
- Working on testing it on real data (proceeding due 30/01/2021 for CBMI, computer science conference). Some issues to solve.

People involved: Mikael Jacquemont & Thomas Vuillaume



ESCAPE summer school

- 21-30 June 2021
- Virtual event ~~if not possible otherwise~~
- Organisation to be restarted soon
 - most of it already done last year (program, teachers...)
 - might be necessary to lighten the program for an online event

People involved: Enrique Garcia, Thomas Vuillaume, Dominique Boutigny, Frederic Gillardo, Rachel Nabet, Corinne Feullar, Vincent Poireau, Maud Coppel, Mathilde Hubert, Jayesh Wagh

