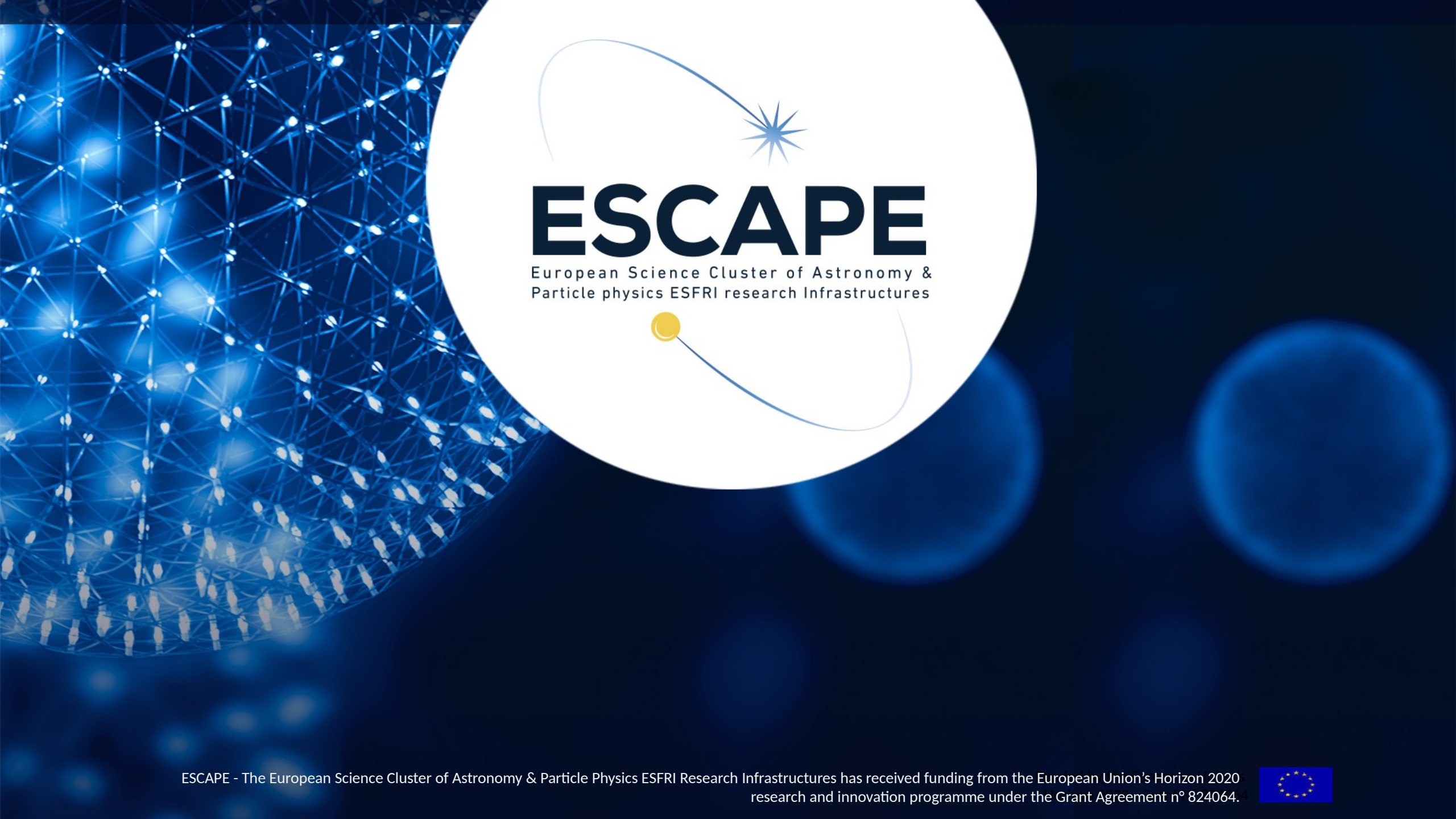

ESCAPE - The European Science Cluster of Astronomy & Particle Physics ESFRI Research Infrastructures has received funding from the European Union's Horizon 2020 research and innovation programme under the Grant Agreement n° 824064.

Work Organisation

- **Tasks formulate main objectives**
- **Focus groups for day-to-day work**
  - Focus group 1: Collecting Software requirements (related to Task 3.2)
  - Focus group 2: Technical implementation of the repository (related to Task 3.5)
  - Focus group 3: Innovative workflows (related to Task 3.4)
  - Focus group 4: Distributed computing – currently dormant
  - Focus group 5: Common approaches to CORSIKA (related to Task 3.3)
  - Regular meetings, follow at https://indico.in2p3.fr/category/844/
- Cross-WG meetings, e.g. in the WP4 tech forum and WP5 tech meetings

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ESCAPE OSSR and Development Platform – how to ease the publication and integration process?

From a single click

- Publishes source code (updates your existing record with new versions)

zenodo

- Long term archived
- Findable
- Citable

GitLab

1. Make a new tag (release)
2. Let the CI do the rest

- builds a singularity image

- publishes singularity image

under dev

- builds a docker container

- publishes

docker hub

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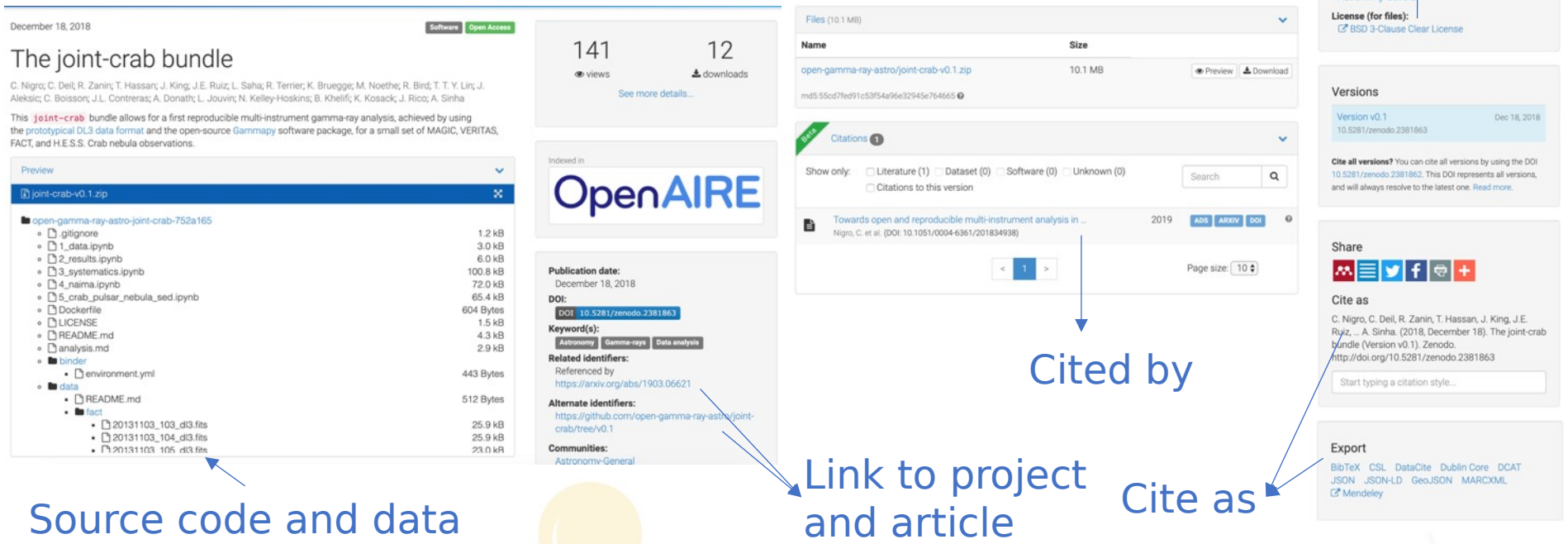
Example project: The Crab bundle

The Crab multi-instrument gamma-ray analysis with MAGIC, VERITAS, FACT and H.E.S.S.
https://zenodo.org/record/2381863#.XkxcD5NKhhA
https://github.com/open-gamma-ray-astro/joint-crab/tree/v0.1



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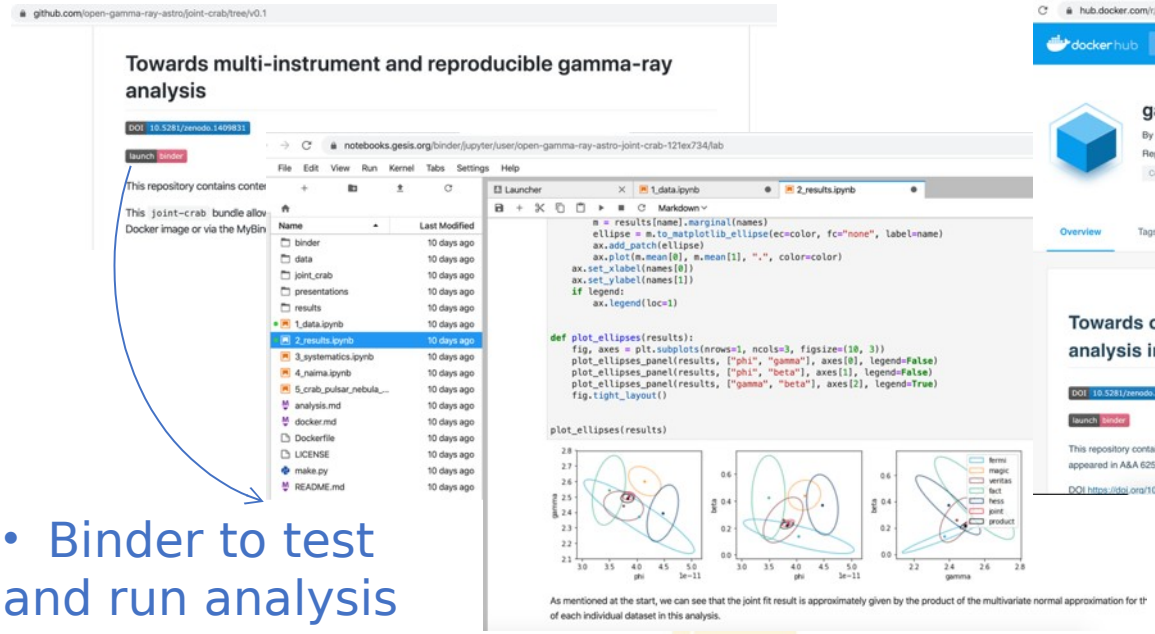

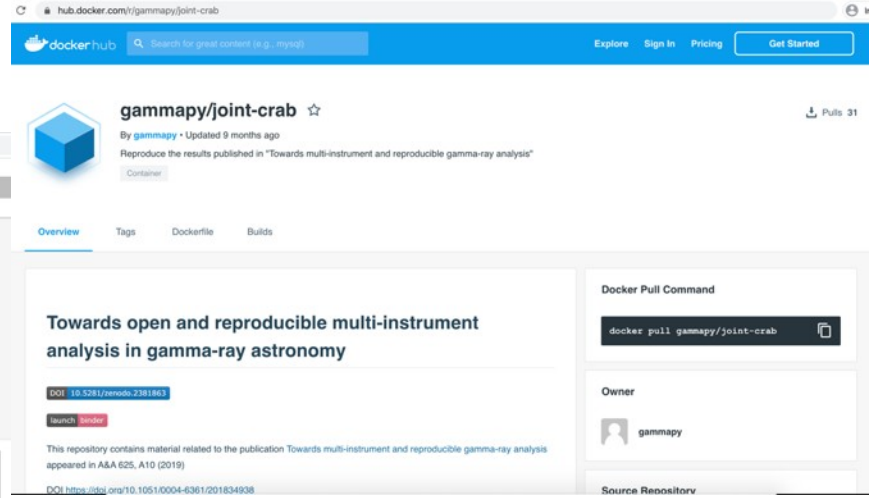

- Binder to test and run analysis interactively online
- Docker to ensure reproducibility

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Working Phase – T3.5

- Task 3.5 - Repository Implementation and Deployment – T. Vuillaume (CNRS-LAPP):
  - partner feedback for the repository gathered;
  - preliminary design of the repository and the definition of technical solutions for its implementation
  - first prototype set up for internal use, webinar held on usage

- Prototype development platform: Gitlab instance
- Prototype repository: Zonodo Community

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