

# EU H2020 and FP7 Projects

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Astronomy Archives User Group Meeting, 2<sup>nd</sup> October 2020

- **Recommendation 2018-06-12/03:** The UG recommends to explore ways to include in a systematic way higher-level science data products and pipelines developed from ESA data based on EU funded programs (e.g. FP7 and H2020) and other externally funded research teams in the astronomy archives...
- 4 EU H2020 projects and 4 EU FP7 projects were identified.
- **Action 2019-02-13/13:** AAUG members to investigate one EU project each, investigate the type of data products from ESA missions the project is producing, advise ESDC what to ask the project PI, and if enough information at this point, recommend if the data should be [preserved in the long-term by ESA] added to any ESA science archives.

1. **ExopIAnETS\_A** (Exoplanet Atmosphere New Emission Transmission Spectra Analysis; HST, XMM, Gaia +others) [H2020]
2. **EWC** (Enabling Weak lensing Cosmology; HST; in prep for Euclid) [H2020]
3. **SBNAF** (Small Bodies: Near and Far; Herschel, Akari, Gaia +others) [H2020]
4. **StarFormMapper** (Study of the density Distribution & Evolution of Young Massive Star Clusters; Gaia & Herschel) [H2020]
5. **ASTRODEEP** (Unveiling the power of the deepest images of the Universe; HST, XMM, Herschel, Spitzer) [FP7]
6. **DiscANALysis (DIANA)** (Analysis & modelling of Multi-wavelength Observational Data from Protoplanetary Discs; Herschel, XMM, HST +others) [FP7]
7. **DustPedia** (A Definitive Study of Dust in the Local Universe; Herschel, Planck +) [FP7]
8. **ETAEARTH** (Characterization of Terrestrial Planetary Systems; Gaia, Kepler, HARPS-N) [FP7]

4 other projects identified that were already being followed by the relevant missions:

- BeyondPlanck (Delivering state-of-the-art observations of the microwave sky; Planck; WMAP; CBASS) [H2020]
- RADIOFOREGROUNDS (Ultimate modeling of Radio foregrounds; Planck) [H2020]
- ARCHES (Astronomical Resource Cross-matching for High Energy Studies; XMM-Newton) [FP7]
- EXTraS (Exploring the X-ray Transient and variable Sky; XMM-Newton) [FP7]

2 further FP7 projects later identified related to Herschel:

**9. HELP** (Herschel Extragalactic Legacy Project; Herschel) [FP7]

<https://herschellegacyproject.wordpress.com/>

**10. VIALACTEA** (The Milky Way as a Star Formation Engine; Herschel + other major surveys of the Galactic Plane from 3 $\mu$ m to radio) [FP7] [vialactea.iaps.inaf.it](http://vialactea.iaps.inaf.it)

- At least 6 projects were reviewed by the AAUG before our last meeting.
- In the last meeting, a discussion was held about how to assess the projects.
- It was agreed that more time was needed to finish the assessments and the ESDC were asked to provide a flow chart to show the steps in the process to be followed for each project evaluation (Action 2020-04-17/01).
- Flow chart created, based on inputs from the AAUG meeting 4 discussion:

