



## Virtual Europlanet Fireballs Workshop #1 on Fireball Databases and Machine Learning

In cooperation with Europlanet ([www.europlanet-society.org](http://www.europlanet-society.org)), a series of four workshops that will bring together different networks of fireballs observers as well as machine learning experts is planned to be organized over the next two years. This series aims to culminate into i) the development of a common data format and/or common entry point to the observational data of the different fireballs networks, and ii) machine learning science cases for meteor observations.

The first of these workshops will take place virtually on June 11-12, 2021 and aims towards

- 1) introducing and discussing the different fireballs networks, databases and data formats with a strong focus on its technical aspects;
- 2) discussing and exploring the possibilities of a common data format and/or a common entry point to all data;
- 3) discussing, identifying and potentially developing machine learning science cases for fireball observations.

The workshop will also introduce and discuss Europlanet, its Virtual Observatory for planetary sciences (VESPA; [vespa.obspm.fr](http://vespa.obspm.fr)) and the support it can offer to the fireballs community. Through EPN-TAP services, VESPA currently provides access to more than 50 decentralized databases worldwide, and it might be one option for a common entry point to the different fireballs networks that will be explored over the course of the workshop. In addition, Europlanet also provides support for the development of machine learning science cases, and the fireballs community is invited to discuss potential use cases during the second half of the first meeting. As an outcome, this workshop intends to provide an outline for the next months and to define first tasks towards the overarching meeting goals. The second workshop of the series is intended to be organized in autumn 2021.

### Workshop details:

Date: June 11-12, 2021

Workshop website: [bit.ly/3fwQldr](https://bit.ly/3fwQldr)

Workshop program: [bit.ly/3w5kyvq](https://bit.ly/3w5kyvq)

### Registration:

Registration is open until May 31, 2021: [bit.ly/3szo1jp](https://bit.ly/3szo1jp)

### Organizing committee / contacts:

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