

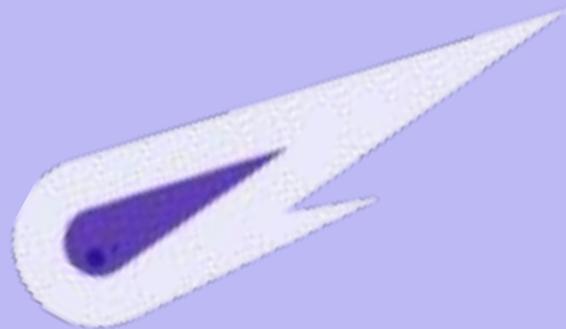


Student As Planetary Defenders

Daniele Gardiol
INAF



Co-funded by
the European Union



StAnD Students As planetary Defenders
2023-1-IT02-KA220-SCH-000166654



WP2 : Stand toolkits

Seda Özdemir-Fritz (FTP)



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WP2: Toolkits –Lead: FTP

Toolkit Structure

- ❑ Evaluation of necessary elements: e.g. online materials, simulations, software, videos, hands-on activities.

Toolkit Curation

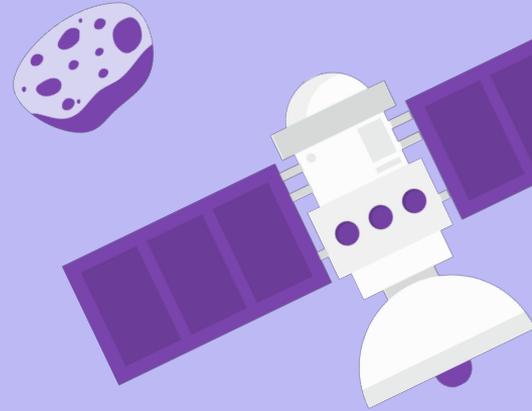
- ❑ Definition of essentials, detailed curation process (WP leader and all), selection of the best support materials
- ❑ Selected toolkits will be published on the project website

Meteor Camera Kits

- ❑ Assembling of the Meteor Camera kits, integration and test of these kits
- ❑ Distribution of selected schools

Micrometeorite Collection Kits

- ❑ Stardust Hunters Toolkit will be delivered to schools inc. instructions and guidelines



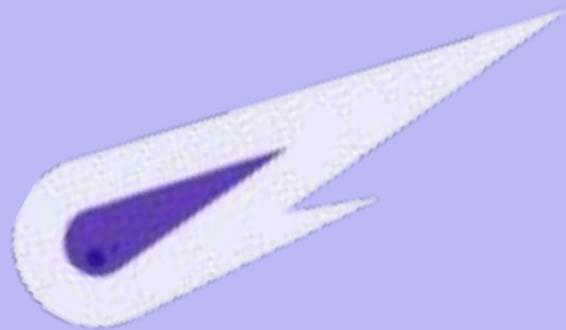
!!! Each Toolkit will contain an introductory text and /guidelines on HOW to USE



Work Package 3

StAnD Academy

Gustavo Rojas
NUCLIO



Overview

- Provide the necessary professional development and support to educators.
- Special attention to the improvement of the digital profile of educators and learners.
- Initial analysis of the curriculum of STEAM subjects in the participating countries.



Teacher's Manual

- Based on the main guidelines of Universal Design for Learning.
- Must allow educators to adapt the Toolkit resources to their classroom practices while delivering the designated curriculum.
- Present suggestions for teaching scenarios exploring the different subjects related to StAnD's activities.



School Activities

- Observation of asteroids and comets
- Asteroid search campaigns
- Detection of meteors
- Collection of micrometeorites.



Teacher Training

- Offered in 3 opportunities during years 2 and 3.
- MOOC approach: participants can follow the majority of activities in asynchronous mode online.
- Synchronous interaction between the trainers and teachers will take place at strategic moments of the training.



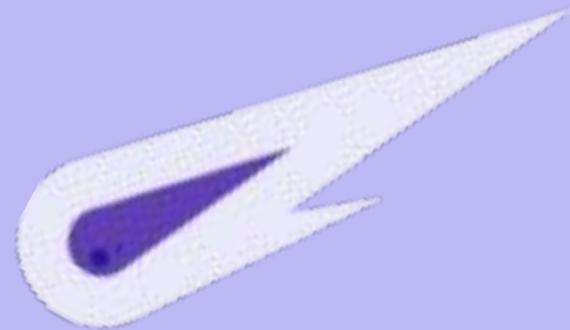
Summer Schools

- Special training occasions that provide feedback to the collaboration.
- Targeted at teachers that will receive the meteor cameras.
- Open to other participants.
- Budget: 3 teachers/country + 2 trainers from EA, NUC, INAF and FTP + 1 comm. officer from COSPAR.





Work Package 4 StAnD Implementation

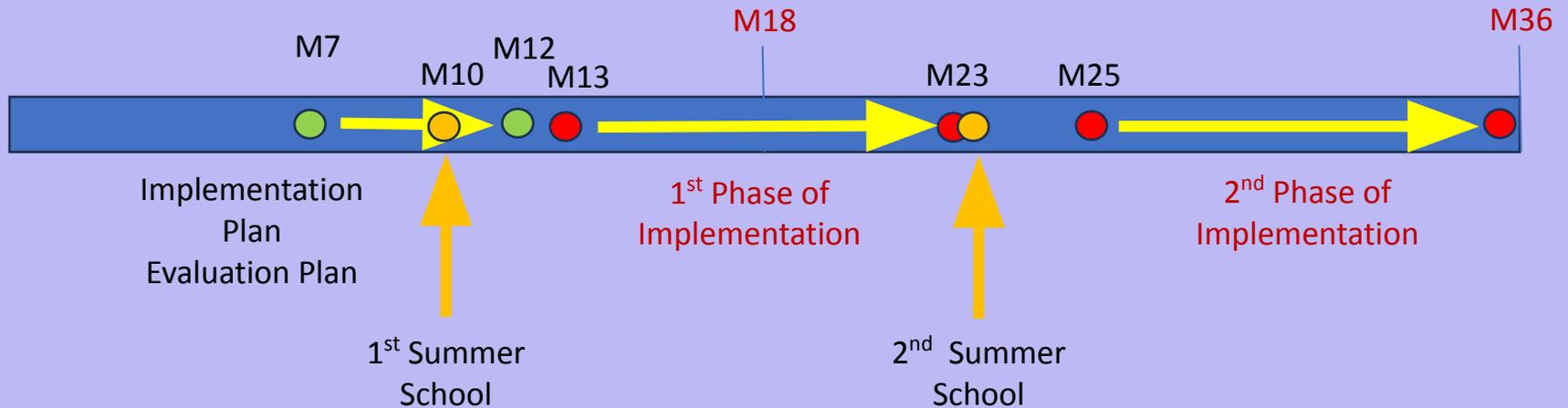


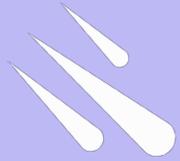
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StAnD Implementation

The preparation for the implementation and evaluation of the project will take place from M7 to M12. During this phase EA, with support from the other partners, will develop an implementation plan, an evaluation plan, evaluation and assessment tools. The first phase of implementation will be from M13 to M23. During the second summer school (M23) feedback from the teachers participating in the project will be gathered and analysed to make the necessary improvements before the second phase of implementation that will take place from M25 to M36 of the project.





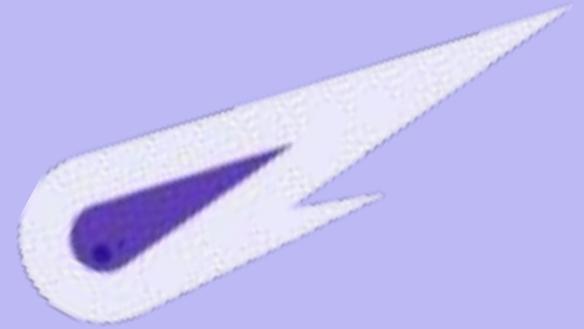
WP 5: Community Building & Communication



COSPAR
COMMITTEE ON
SPACE RESEARCH



StAnD



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OBJECTIVES:

- ♥ **Creating a community of users (and mentors?)**
- ♥ **Communicating the progress and impact of the project**
- ♥ **Mainstreaming the StAnD impact and methodology to continue & expand the experience to newcomers**

Kick Off Meeting, Pino Torinese, 6-7 November 2023





Activities and Expected Results

A5.1 Creation of a community building plan to accompany the project as guidelines & strategy for implementation of WP5, defining the materials & channels required. Reporting instruments created to measure effectiveness.

 **A5.2 Creation of website, social media channels and promotional materials**

 **A5.3-A5.8 Organisation of 9 multiplier events in each of the pilot sites (1 in France) and 1 at international level organised by COSPAR to present the project vision, share success stories and potentially establish new cooperations and grow the STN**



Activities and Expected Results

A5.9 Drafting a community-building activities report.

A5.10 Drafting a Road Map to help mainstream the efforts, recommend the next steps, and encourage other schools to join StAnD or adopt the toolkit

A5.11-A5.15 The successful organisation of StAnD community days in each site.

A5.16 The successful presentation of StAnD at 46th COSPAR Scientific Assembly in Firenze, Italy, with at least 1 teacher and 1 student from each partner country attending.

