PLEIADES

Word from the coordinator

Thank you for your continued interest in the PLEIADES project !

After two years, we are proud to see that our project is going pretty well. The year 2022 that is coming to its end has been full of achievements and satisfactions for the PLEIADES consortium.

The first year of the project -2021- was dedicated to the definition of the common ontology, the collection and analysis of the platform requirements, and eliciting needs and specifications for the platform.

Then, 2022 focused on the platform development, the use cases data preparation and first discussions around the use of PLEIADES outcomes after the project.

After having collaborated exclusively remotely since the project beginning due to the pandemic, the partners also enjoyed to meet for some technical meetings and for the project 4th plenary meeting that took place in Marcoule, France in October 2022. They also appreciated the direct exchanges they had with the Project Officer during this plenary.
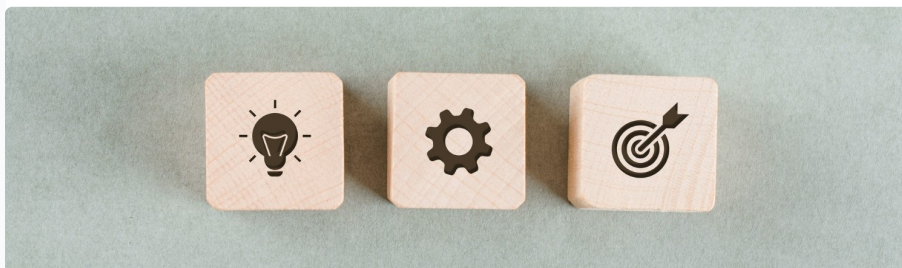
This newsletter will inform you on the last achievements and news:
- A summary of WP1
- A summary of WP2
- The PLEIADES server and associated workshop
- The use cases models and data preparation

The PLEIADES team hopes you will enjoy this newsletter and will not hesitate to get in touch with us.

Marie-Bénédicte JACQUES – PLEIADES coordinator
French Alternative Energies and Atomic Energy Commission (CEA)
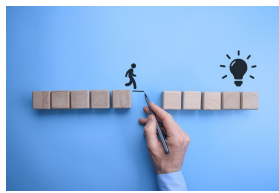
Achievements

The partners have been busy over the second year of the project. Have a read at the main achievements below.
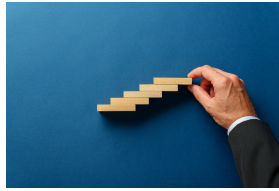
Summary of WP1

WP1 included 4 subtasks aimed at defining the

requirements for the PLEIADES concept, construction of a generic ontology for decommissioning, specifications for software and system design, as well as a clarification of the input data needed to test and demonstrate the PLEIADES pilot software platform.

More about WP1 achievements

Summary of WP2

WP2 included 4 subtasks aiming at defining the basis of the PLEIADES software architecture, deploying the PLEIADES server, developing innovative modules and performing tests to validate the overall approach.

More about WP2 achievements

Use Case Data Management in WP3

Based on 3 use cases identified, 6 user stories have been defined to validate and improve the characterization of information provided by the platform.

More about WP3 achievements

Conferences & Events

The PLEIADES team presented the project and its results at the DigiDecom 2022, which focused on digital transformation, robotics and other game changing trends in nuclear decommissioning, dismantling and waste management.

See the presentation from the event here

WP2 Workshop

In order to close the WP2 and to prepare the execution of WP3 user stories, a workshop was organized.

The objectives of the workshop were to :

- Expose and share the technical choices and development with the partners not involved in WP2
- For each partner, present the first version of its connector and innovative module
- Share guidelines and best practices for ecosystem PLEIADES use.

More about WP2 here

4th PLEIADES plenary meeting

During the plenary there were numerous workshops that, based on the results of activities already done, gave a chance to work together to lay the foundations for the continuation.

More about the Plenary here

Results

Public deliverables from the project are now available online.

Access our public deliverables here

Digital Tools

A number of cutting-edge digital tools will be collected and implemented onto the platform and tested in three use cases. Technology such as AR, VR and AI are used to model and simulate the facility and the entire decommissioning process.

[Find out more about the Tools used on the platform here](#)

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