



# Digital Learning Paths

**MULTIPLIER EVENT:  
19 MARCH 2024  
IN EACH COUNTRY**

THE LAST STEPS TOWARDS A  
VALUABLE OER -PLATFORM



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# MULTIPLIER EVENT

## 19 MARCH 2024



### GENERAL AGENDA:

#### DEMONSTRATION OF PROJECT RESULTS:

- OER platform: Ariadna.education: presentation of different possibilities (learning paths, temporary classroom)
- DIDACTIC MATERIALS: presentation of didactic materials in 5 different fields (mechanics, automation and robotics, construction, central heating and marine technics)

#### INTRODUCTION TO PROJECT TEAM:

On line--> presentation on big screen

#### PRACTICE TIME:

There will be opportunity to practice on Ariadna.education (making learning paths and making lessons with temporary classroom)

#### ADDITIONAL OR VARYING PROGRAM:

Possible country by country



# THE LAST STEPS

As explained in the previous edition of the newsletter: the purpose of the OER platform ("Ariadna.education") is to create digital learning paths for students. A digital learning path is a computer-assisted learning process, in which different learning steps are completed in a well-considered sequence. After several discussions in the team, we have arrived at a definitive fixed structure for the learning paths, which will be generated automatically:

1. Motivation phase: with the possibility of subdivision into: step 1, step 2, step 3,...
2. Information phase: with the possibility of subdivision into: step 1, step 2, step 3, ...
3. Consolidation phase: with the possibility of subdivision into: step 1, step 2, step 3, ...

After considering stakeholder and student feedback, we are working on the following improvements to Ariadna.education:

- The form to create a learning path will be converted from a static form to a drag and drop mode functionality.
- The layout of the platform will be adjusted: whiteness will be replaced by more colours, the different technical fields will be distinguished by colours and icons, in the rectangles of the learningpaths.
- The static picture on the homescreen will be replaced by dynamic views.
- A FAQ and userguide will be integrated
- A classification will be implemented in learning paths between team members, stakeholders and students.

-The newstab will be updated with pictures of the teamwork.

-A possibility to log in with a social login will be implemented (via Google accounts or Microsoft accounts)

-Implementation of the functionality: "temporary classroom":

The "temporary classroom" is a functionality providing the possibility, to create whole lessons, based on a composition of a number of learningpaths. Teachers will be possible to present a number of learningpaths to students, serving as a lesson, in which the student can choose an own preferred path, or follow the teacher's suggested path. Choosing a path (= a lesson) within the various learning paths will be done graphically. Since each learning path is already represented by rectangular blocks, it is possible to graphically indicate a path (= the lesson). So the lessons can be seen as a layer above the learningpaths.



ARIADNA.EDUCATION



# LEARNING ACTIVITY (LTTA) IN SPAIN/PASAIA (APRIL 2023)

During this LTTA, the technical school from Croatia (Industrijsko-obrtnicka skola Sibenik), visited the maritime school CIFP BLAS DE LEZO LHII (+ shipyards and companies) in Pasai san Pedro (Spain). This LTTA had a very high added value in exchange of knowledge for the Croatian technical school as this school has only been offering maritime education for 4 years. The visits were all unique opportunities for the Croatian school.

The craft techniques that were shown in some companies will allow the students to better establish the link with the current modern techniques. The shipyards that were visited provided an interesting point of comparison with the Croatian shipyards. This undoubtedly creates a strong partnership between the two schools.

The students and teachers were also able to sail on the school's hybrid vessel "ORTZE". This vessel is capable of fully electric and zero-emission sailing for a minimum of two hours, which is useful when entering and leaving port, conducting operations in protected environments or performing silent, low-speed operations.

Students and teachers could subsequently visit: ALBAOLA SEA FACTORY (building of historical boats); ITSAS Museum and two shipyards (MURUETA and ZAMAKONA).

Teachers could visit TKNIKA, a research center for innovative techniques and responsible for vocational training in the area.

An eTwinning project was set up: "Exploring Marine Techniques". A variety of digital learning resources were used (PowerPoint, Cloud Tag, Quiz, Genially, Mentimeter). Students and teachers could post their own contributions on the eTwinning-platform. This eTwinning formed the common thread throughout the visit.





# LEARNING ACTIVITY (LTTA) IN CROATIA/SIBENIK (MAY 2023)

The main goal of this LTTA was the evaluation of didactic materials, the digital OER-platform Ariadna.education and digital learningpaths by students and teachers. Furthermore there were some visits and trainings.

**DAY 1:** Teachers were introduced to Moodle by the Romanian partner. Moodle was the only option to assess students at this stage of the platform. Students were introduced to the use of Ariadna.education by the Belgian coordinator. At the end of the day, we had a guided tour in the workshops of the school.

**DAY 2:** Students and teachers assessed the OER-platform Ariadna.education by a form. Afterwards we visited the Polytechnic university of Sibenik. The Vice Dean presented the different study options and the Erasmusprojects in which they are involved. In the afternoon, we took care of the evaluation by students (divided in groups) of didactic materials developed by teachers in the different technical fields.

**DAY 3:** The main part of this day was spent on a training organised by Algebra University of Zagreb. Subjects such as H5P, Animaz, VSDC, Audacity, VR, AR, MR, XR, free elearning resources, copyrights, 360 audio and video, 360 virtual tour were explained.

**DAY 4:**

In the morning we visited shipyard 'ISKRA' in Sibenik, which is the leading ship repair yard on the Eastern Coast of the Adriatic Sea. We had a general presentation by the manager followed by a guided tour at the premises of the shipyard. In the afternoon we took care of the evaluation by students of learningpaths developed by teachers in different technical fields.

**DAY 5:**

During this day, we took care of the cross-curricular evaluation by students of didactic materials and learning paths. Therefore students and teachers were divided in groups with mixed technical fields. At the end, certificates of attendance were handed.





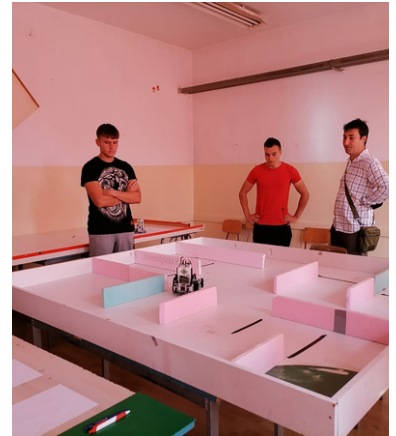
# TRANSNATIONAL PROJECT MEETING IN SERBIA/KRUSEVAC (SEPTEMBER 2023)

## DAY 1:

As a start, the meeting addressed some general topics as: impact measurement, final launch of the platform, qualitative indicators to reach, future agreements, financial matters, approach for future dissemination, intangible results to reach and an overview of the GANTT- chart of the project. We looked at the status of the development of the learning paths by team members. It was checked whether the learning paths met the stated requirements and agreements. Team members drew attention to the classification of learning paths into different groups (according to origin of development). The need for a simple, fixed structure for the learning paths was once again emphasized. The proposal was launched to ultimately arrive at a simple structure consisting of only 3 phases: motivation phase, information phase and consolidation phase. Furthermore, all feedback on the Ariadna.education platform received by students and stakeholders was processed and discussed within the project team. The Romanian partner (responsible for the development of the platform) decided each time which of the feedback could be addressed. We also visited the Center for Science Promotion, one of the Serbian partner's main stakeholders in the project. We had a guided tour in the premises of the school. We also had a city tour and we were welcomed by the Assistant Mayor for Social Affairs.

## DAY 2:

Several stakeholders were invited: IC Automatika, Trasing, 14. oktobar, Goodyears, Regional Chamber of Commerce and Center for Professional Development. They were first given a general presentation about the project and the stakeholders also introduced themselves. Feedback was then exchanged in groups between stakeholders and project team members. The future "temporary classroom" functionality was explained by the Romanian partner. The project coordinator emphasized the importance of further dissemination and integration of learning apps in the learning paths. The meeting concluded with the distribution of certificates of attendance.





# CURRENT AND UPCOMING ACTIVITIES

## **FEBRUARY- MARCH 2024:**

Work in progress: Updates going on for the platform Ariadna. education. Implementation of the functionality "temporary classroom", which will provide the possibility of creating lessons, by creating a grafical path with learningpaths and also a grading possibility.

## **19 MARCH 2024:**

MULTIPLIER EVENT IN EACH COUNTRY

## **6-7 MAY 2024:**

FINAL TRANSNATIONAL PROJECTMEETING in CROATIA/VARAZDIN

## **31 MAY 2024:**

OFFICIAL END OF THE PROJECT





# Digital Learning Paths

## INVOLVED PARTNERS

### Headcoordinator:

GO! Technisch Atheneum Zavelenberg- Belgium/Brussels



### Other partners

- P1 Strojaraska I Prometna Skola Varazdin - Croatia/Varazdin
- P2 Tehnicka skola Vlasotince - Serbia/Vlasotince
- P3 Industrijsko-obrtnicka skola Sibenik - Croatia/Sibenik
- P4 Prva tehnicka skola Krusevac - Serbia/Krusevac
- P5 CIFP Blas De Lezo LHII - Spain/Pasai San Pedro
- P6 Institutul pentru Educatie - Romania/Bucharest
- P7 Institoyto Koinonikis Kainotomias Kai Synoxis (Fifty-Fifty) - Greece/Thessaloniki



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