

DIG-IN-KPI: Project 1st phase report

REPORT ON WORK IN PHASE 1 OF THE PROJECT



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DIG-IN-KPI



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DIG – IN - KPI

Digital transformation is making its way into businesses - developing key performance indicators to boost sector productivity

PHASE NO. 1

Result no.: R3 - WORK REPORT

April 2023

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DIG IN KPI, Erasmus+ K2, project no. 2022-1-SI01-KA210-VET-000083218, Small scale partnership



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PROJECT OVERVIEW

The [DIG-IN-KPI](#) project, funded under the Erasmus+ KA210-VET program, aims to enhance digital transformation in the construction sector by developing and implementing key performance indicators (KPIs). This mini report covers activities and results achieved during Phase 1 of the project, from November 2022 to March 2023.

PROJECT GENERAL ACTIVITIES

1. IPM Meeting in Skopje, North Macedonia (Activity 1.1):

- The first project management meeting (IPM) took place in Skopje (not in Ljubljana, as the travel restrictions in North Macedonia were still in place - NA was informed and agreed to the changed venue!), North Macedonia, and brought together all project partners, 2 people from each organisation in person and some stakeholders who participated online or in persons (national and European stakeholders, see attendance list).
- The objectives of the meeting included the harmonisation of project objectives, discussion of the project schedule and the distribution of tasks among the partners. This meeting facilitated the creation of a solid basis for co-operation and clear communication channels. The partnership agreement document was presented to the partners, as well as the payment modalities. The consortium reviewed the assessment letter and considered shortcomings, weaknesses and vulnerabilities of the project and prepared a document for the NA to mitigate these and successfully implement the project.
- Partner agreements document were prepared for signing, and the first instalment payment was made as per the grant agreement and Erasmus+ rules.

2. Introduction to Erasmus+ Programme (newcomers-both 2 project partners):

- Both HGK and ECNM were introduced to the Erasmus+ programme, its key documents, including the [Erasmus+ Programme Guide](#) for the relevant year-call 2022, [EPRP](#), [EPALE](#) and financial rules presented on national seminar by Slovenian NA.
- The aim of this KA210-VET small-scale partnership was explained, along with the differences from the Cooperation Partnership.

3. Review of project application aims and objectives:

- Project priorities from the application were outlined again:
 - HORIZONTAL: Addressing digital transformation through development of digital readiness, resilience and capacity
 - VET: Adapting vocational education and training to labour market needs
 - VET: Contributing to innovation in vocational education and training.
- Project topics selected in the application were followed:
 - Information and communication technologies (ICT)
 - Digital content, technologies and practices
 - Entrepreneurial learning - entrepreneurship education

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PROJECT IMPLEMENTATION ACTIVITIES

1. Comparison of Sectoral Status (Activity 1.2):

- A comparative analysis of the construction sector in Slovenia, Croatia, and North Macedonia was conducted. This analysis also focused on existing digital maturity levels (DEXI indicators) and other indicators within the sector.
- The study, prepared as freely accessible e-report and uploaded/shared on project partner corporate media channels, revealed significant disparities in digital adoption and highlighted areas needing improvement, particularly in less developed regions.

2. Development of KPI Table for Construction Contractors (Activity 1.3):

- Collaborating with external experts-contractors from all 3 project countries, the consortium developed a comprehensive concept-framework for KPI table tailored for construction contractors. This KPI framework serves as a benchmark for assessing digital maturity and performance in the construction sector.
- The KPI framework covers various aspects of digitalization, including process automation, digital tool usage, and data management practices.

3. Alignment with Target Groups (Activities 1.4):

- The KPI framework was presented and refined through interviews and roundtable discussions with representatives from construction companies in each participating country. This ensured the relevance and applicability of the KPIs to industry needs.
- Engagements with stakeholders included 4 interviews with construction companies and one coordinating roundtable discussion in each country.
- The feedback from these interactions was incorporated into the final KPI framework, ensuring it meets industry expectations and practical requirements.

4. Review of Results, Evaluation, and Reporting (Activity 1.5):

- A continuous evaluation of the project progress and management was carried out to ensure compliance with the project objectives and to assess the functioning of the consortium and the difficulties encountered.
- The project activities and 2 public Phase 1 results of the initial activities were reviewed and discussed and evaluated.

5. Development of KPI Table for Educational Institutions (Activity 1.6):

- In parallel, a KPI framework was developed for educational institutions, in particular for secondary vocational schools. This framework aims to suggest how the digital skills and competences required by the market can be recognised and integrated into the curriculum to prepare students for a digitally advanced construction industry.
- The guide framework was designed with input from educational stakeholders to ensure it aligns with current educational standards and industry needs.

DISSEMINATION AND VISIBILITY ACTIVITIES

- Continuous dissemination of project Erasmus DIG IN KPI activities and results was maintained through the corporate websites and communication channels of all three partners fully followed by [EC Erasmus+ Visual Identity](#).
- Regular updates were shared in local and national media, promoting the project's visibility and encouraging stakeholder engagement and project presented on different EU level working events on similar topic (FIEC, project of setting up similar tool as DIG IN KPI just in parallel time [Welcome | Digitalisation of Construction SMEs \(europa.eu\)](#)).
- Calls (telephones, emails campaigns and person emails etc.) to stakeholders, including educational institutions and construction companies, were made to collaborate and participate in the project, enhancing its impact and reach.

CONCLUSIONS

Phase 1 of the DIG-IN-KPI project has successfully laid the groundwork for enhancing digital maturity in the construction sector. The collaborative efforts of GZS ZGIGM, HGK, and ECNM have resulted in the development of robust KPI frameworks for both contractors and educational institutions. The continuous dissemination efforts and stakeholder engagements have ensured the project's visibility and relevance, setting the stage for further progress in the subsequent phases.

The project's success in Phase 1 is also attributed to the positive networking and proactive approach to engaging stakeholders. By leveraging the networks of GZS ZGIGM, HGK, and ECNM, we were able to reach a wide range of industry professionals, educational institutions, and policymakers. This facilitated not only the dissemination of project results but also the active participation of these stakeholders in refining and validating the KPIs.

To support smooth project implementation and assist partners, all project documentation and communication have been stored in the restricted not public [GZS Teams collaboration cloud and document storage](#). Numerous additional in majority in an online mode meetings were held to address any arising issues and provide continuous support to HGK and ECNM. This collaborative and supportive approach has been instrumental in achieving the objectives set for Phase 1 and preparing for future phases of the project. Through the introduction and training of newcomers HGK and ECNM in the Erasmus+ programme, and the solid partnership agreements established, the project is well-positioned to achieve its goals and foster digital transformation across the construction industry in the region.

We are committed to maintaining the momentum gained in Phase 1 and continuing our efforts to enhance digital maturity in the construction sector. We invite all stakeholders to join us in this endeavor, providing their expertise and feedback to ensure the success of the DIG-IN-KPI project.

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