



## WELCOME TO NEXTLOG!

### Updates from the NEXTLOG project

The NEXTLOG Partners have been working intensively during the last months. Primarily, NEXTLOG members have successfully conducted the survey in Poland, Slovenia, and Greece. The skill matrix was then developed in order to match the strengths, weaknesses, opportunities and threats (SWOT) of the partner organizations against those skills. After this, the DISL curriculum will be fully specialized and targeted. Moreover, a worldwide benchmarking of DISL curricula/programs from top HEIs and training providers was done in order to understand what trends and concepts are being offered by the leaders in this field. The NEXTLOG Partners are working intensively to publish the results and below you can find two of the main outcomes of the research.

### Digital, intelligent and sustainable logistics (DISL) large-scale skill-gap analysis and skill matrix development – survey main results

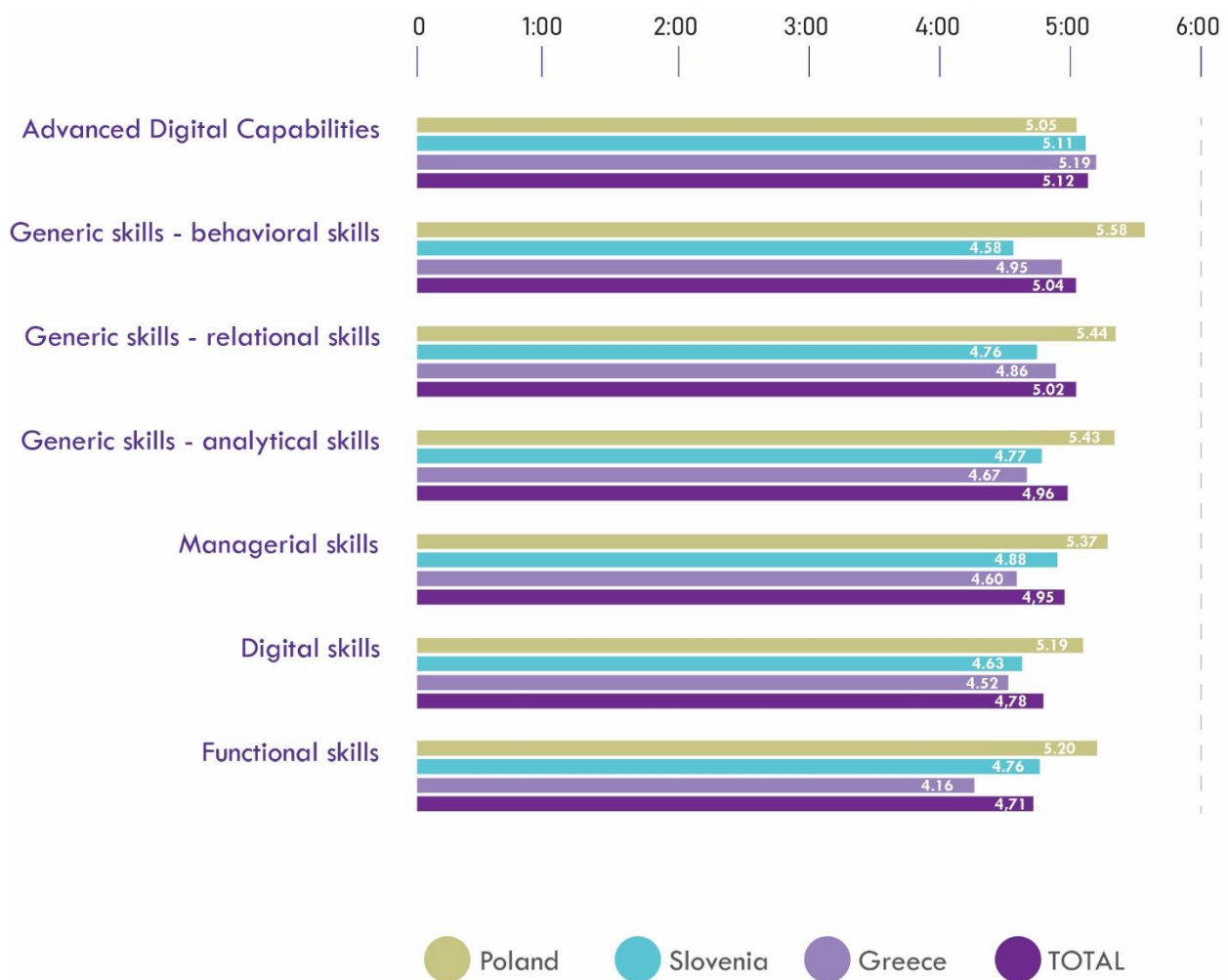
To identify the large-scale skill gap in the countries involved in the NEXTLOG project, a structured quantitative survey has been conducted by partners and disseminated to various type of stakeholders: students, academics, and logistics companies.

The aim of survey in the companies' group was to understand to what extent the different skills have been possessed, implemented or are important for the logistics industry. The survey covered various main areas of skills identified via the literature and benchmarking exercises such as:

- **Advanced digital capabilities** (business intelligence, optimisation, real-time data management, agile supply, blockchain, artificial intelligence, big data, augmentation, robotics);
- **Behavioral skills** (innovative and creative thinking, work without supervision, strategic thinking, experiment with new technology, confidence, empathy, stress management);
- **Relational skills** (effective communication inside and outside the organisation, cross-functional collaboration, teamwork, inter-departmental knowledge sharing);
- **Analytical skills** (collect complex data, data processing, forecasting, report assessment, business reporting);

- **Managerial skills** (strategic business planning, cost-effectiveness, business transformation, quality standards, risk assessment, problem-solving, KPIs, monitoring, people management, financials);
- **Digital skills** (information processing, network and information security, digital communication, digital collaboration, eLearning);
- **Functional skills** (contract administration, procurement, new product introduction, daily operations, warehousing, inventory, process management, utilization of modern supply chain tools).

The respondents rated the average level of skills proficiency in the company on a 7-point scale referring to proficiency/importance. The results are presented below (Graph.1):



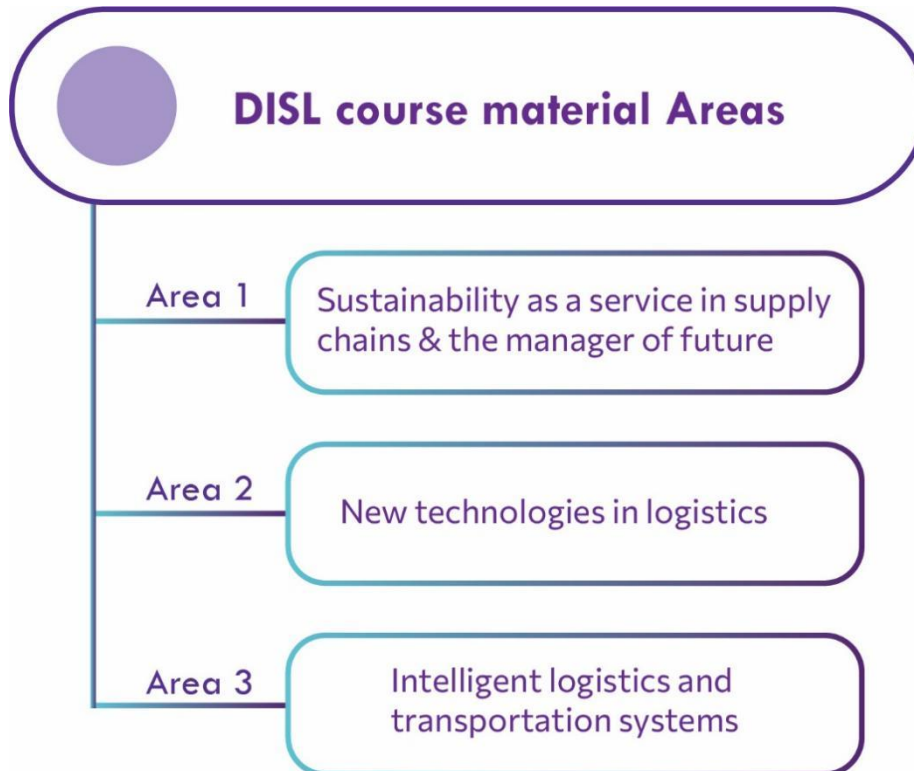
Graph.1 Results - The average level of skills proficiency in the examined companies.

### Digital, intelligent, and sustainable logistics (DISL) curriculum and e-learning courses development – key areas

The survey and skill analysis served as a basis for selecting the skills to be addressed in the analyzed countries and should be included in the curriculum developed in the project which will be in line with the following requirements:

- ✓ The curriculum will include three master level courses (one per area, listed below).
- ✓ The materials will be prepared in line with ECTS requirements.
- ✓ The curriculum will be available online (being part of VLE – Virtual Learning Environment).

The key areas, thematic modules topics are listed below:



Graph. 2. DISL course material Areas.

Due to the design of teaching and learning actions, skills will be developed into thematic modules (topics) within the curriculum and further expanded into teaching material used in VLE in the future.

### What is next?

- Development of DISL teaching materials
- Transnational training to pilot the educational content
- Development of VLE (Virtual Learning Environment)
- More updates from the project soon...

If you would like to get in touch, please visit our website:

<https://nextlog-project.eu/>



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