DATALIT Objectives

Data Literacy can be defined as the ability to read, work with, analyse, and argue with data, in order to derive meaningful information and knowledge.

Competences

Using data refers to the way we read, make sense and trust the data we get from hundreds of sources, including news, social networks, apps, just to mention a few.

Key Actors

Making sense of data is no longer a must-have skill for data scientists or technology experts only, but it is an essential ability for all citizens.

Strategic Aspects

Key aspects to cover will be the ethics of (big) data, also in view of a full compliance with GDPR, and the re-use of open data to enhance services, optimise processes, and ultimately increase profits.

Become active on DATALIT

Explore the project website and results, in order to reuse our resources and key findings for your related research.
Share your most relevant experiences on data literacy for contributing to the design of a common European curriculum and syllabus on the field of data.
Test our methodologies and educational content in your educational pathways enforcing it with European minded backbone.

The Consortium

The consortium is composed of 14 experienced partners from 4 Programme EU Countries (Italy, Germany, Portugal, Lithuania), 1 Non-EU Programme Country (Serbia) and 1 Partner Country from Western Balkans (Albania). In particular we have 5 Universities, 5 SMEs, 1 Educational centre, 1 EU network, 1 umbrella organisation.

- HEI
- SME
- EU-wide network
- NGO organisation
- Vocational training
- Nationall public body
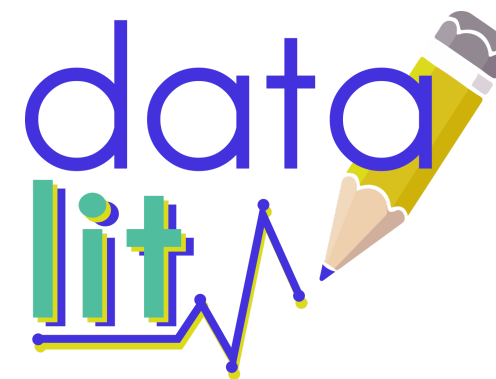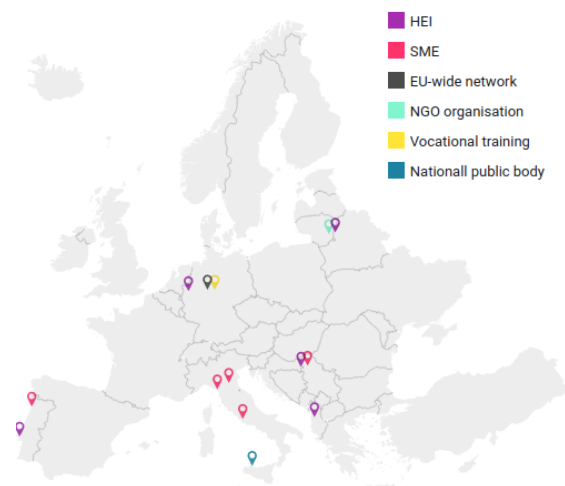
data lit

Data Literacy
at the interface
of higher education
and business

Our Challenges

We aim at laying the ground for the integration of data literacy as a transversal topic in potentially all university courses, by identifying and developing common syllabus and innovative teaching and learning approaches.

Fragmentation

Courses are fragmentary in time and space. The duration of a data science course ranges from one week to a semester or a 1-2-year master degree. They are organized as face to face lessons, or through web platforms.

Inhomogeneity

The syllabus of these courses are very different. Even though the data literacy profile is often connected to competences in data visualisation, statistics, machine learning, each course gives different weights to these macro topics. As a result, there is not a homogeneous competence profile for data literacy.

Not qualified

a qualification system recognized at European level related to data literacy and data science professions does not exist.

Inadequacy

The needs of the job market have not been adequately analysed. It's clear that there is still not a mature debate on this topic between academia and businesses

DATALIT Target groups

Higher Education Students

The acquisition and development of competences related to DATALIT will help students to improve their employability.

Educational and HR professionals

Teachers, trainers and learning facilitators will be involved in DATALIT innovative teaching approach to foster data literacy and data skills as new part of digital competencies

Evaluators and validation practitioners

Stakeholders such as counsellors, assessors, process managers and other external observers will play a strategic role in the project.

Project development phases

Step 1

A blended learning concept will be designed, composed by transferrable study units that can be integrated in curricula of different courses, and by experiential learning projects in European enterprises.

Step 2

The universities and companies that join the consortium will play a central and synergic role in the design of training resources that address the concrete opportunities and risks for European enterprises and organisations in collecting, managing and exploiting data.

Step 3

The approach will be piloted during the project in class and workplace environment and around 90 students from 6 European countries will join the project. Specific training courses and resources will be provided for HE professionals and HR training managers that will pilot the methodology.

Step 4

The new data literacy competences will be validated and connected to European validation and certification instruments. The development of related skills as critical thinking, social and civic competence, etc. will be recognised and validated through the LEVEL5 approach.