

Theoretical terms	
Inquiry Based Learning (IBL)	Inquiry based learning is an engaged form of learning in which learners acquire (deep) knowledge by answering research questions on the basis of performing science experiments.
Online laboratory	An online digital resource for performing experiments. Online labs are either a) virtual, all elements are digital, b) remote, an experiment can be performed in a real laboratory that is accessible online, or c) data set, experiments can be performed on an existing data set (often coming from a real experiment).
Inquiry cycle	<p>An inquiry cycle is a of phases that are often distinguished in an inquiry process and a description of the connections between these phases. The Go-Lab basic inquiry cycle consists of the following phases:</p> <p><i>Orientation:</i> The process of stimulating curiosity about a topic and addressing a learning challenge through a problem statement.</p> <p><i>Conceptualization:</i> The process of stating theory-based questions and/or hypotheses.</p> <p><i>Investigation:</i> The process of planning exploration or experimentation, collecting and analysing data based on the experimental design or exploration.</p> <p><i>Conclusion:</i> The process of drawing conclusions from the data. Comparing inferences made based on data with hypotheses or research questions.</p> <p><i>Discussion:</i> The process of presenting findings of particular phases or the whole inquiry cycle by communicating with others and/or controlling the whole learning process or its phases by engaging in reflective activities.</p>
Big Ideas	The Big Ideas of Science are a set of cross-cutting scientific concepts that describe the world around us and allow us to conceive the connection between different natural phenomena. The whole set describes our world in a nutshell. Go-Lab labs and inquiry learning spaces are classified in the Big Ideas of Science.



<p>Learning Analytics</p>	<p>Learning analytics are metrics (typically represented as numbers or graphics) built from activity traces and learning outcome collected in digital learning platforms. Learning analytics provide awareness on the learning process and help learners and teachers reflect on the learning and teaching practices, respectively. At a macroscopic level, learning analytics also help educational institutions reflect on the impact of their policies or curricula. In Europe and beyond, learning analytics management is constrained by GDPR.</p>
<p>Go-Lab terms</p>	
<p>Sharing and support platform (Golabz)</p>	<p>The Go-Lab sharing and support platform https://www.golabz.eu/ provides access to online labs, Go-Lab inquiry apps, and Inquiry Learning Spaces created by teachers and experts. The support area provides technical and pedagogical aid on how to use Go-Lab, as well as online training, project updates and access to the Go-Lab online community.</p>
<p>Authoring and learning platform (Graasp)</p>	<p>Graasp.eu is a general-purpose free and open-access digital education platform supporting personal, collaborative, and inquiry learning, as well as knowledge sharing. Graasp offers on online spaces that can be populated with legacy or cloud resources, including digital content and services such as interactive documents, Web apps, or online labs. Spaces can be public, private, or shared with other members with various access rights. Dedicated activity spaces can also integrate a pedagogical structure based on templates to support predefined learning scenarios. Inquiry learning, design thinking, or MOOC spaces are examples of such structured spaces that can also be considered as Open Educational Resources (OERs). The latter are LTI modules that can be integrated in LMS/CMS or shared with Creative Commons licenses on learning repositories (such as Golabz).</p>
<p>Go-Lab ecosystem</p>	<p>The Go-Lab ecosystem is the combination of the Go-Lab sharing and support platform (Golabz) and the authoring and learning platform (Graasp).</p>

Go-Lab initiative	The Go-Lab initiative is the framework that aims to facilitate the use of online laboratories and inquiry learning applications for science education in schools. The Go-Lab initiative is supported by different national and international projects.
Go-Lab inquiry app	A Go-Lab inquiry app is a small software tool that helps students to perform an inquiry learning process (e.g., create a hypothesis or design an experiment).
Go-Lab Learning Analytics apps	A Go-Lab Learning Analytics app keeps track of students' activities, time spending, or learning products and displays these data in overview graphics.
Go-Lab general apps	A Go-Lab general app is a small software tool that helps the learning process to be performed but that is not directly related to an inquiry process (e.g., a quiz tool).
Inquiry Learning Space (ILS)	An inquiry learning space (ILS) is a structured multimedia learning resource created in and run by Graasp. An ILS follows an inquiry cycle and contains one or more online labs, potentially one or more inquiry learning) app(s) and multimedia resources.
Multimedia resource	A multimedia resource is a distinguishable element of an ILS containing text, video, sound, or interactive exercise.
Next-Lab expertise centre (NEC)	Next-Lab Expertise Centres (NECs) are the different project partner organizations spread on strategic locations all over Europe. These centres have all the necessary knowledge (pedagogical, technical, practical) for implementing Go-Lab learning spaces in the classroom.
Go-Lab ambassador	Go-Lab ambassadors have been selected through an open call and a clearly defined selection procedure. All selected ambassadors were required to have a minimum set of competencies agreed upon with the rest of the Next-Lab consortium. The core purpose of the Go-Lab ambassadors is to promote and inform about Next-Lab to their peers - science and mathematics teachers in their respective countries extending the project's coverage

	<p>throughout Europe. Ambassadors present Next-Lab in schools and national teachers associations, on conferences and workshops, and advise teachers how to get involved and use Go-Lab in their teaching.</p>
Go-Lab expert teachers	<p>Go-Lab expert teachers act as multipliers in representation of the Next-Lab project, enlarging both the NECs and the Go-Lab Ambassadors' networks and acting as main contact points within their schools. Go-Lab Expert Teachers may be directly designated by NECs and Go-Lab ambassadors.</p>
Go-Lab implementer	<p>Go-Lab implementers are defined as those school teachers who use a Go-Lab inquiry learning space in a classroom (> 10 different students)</p>
Go-Lab online community	<p>The Go-Lab online community is hosted within the authoring platform Graasp. Here, community members such as Next-Lab expertise centres, teacher training institutes, ambassadors and general teachers and students, may discuss topics with like-minded users, take part in both virtual and real-world events and connect with established communities of practice and personal interest groups. Furthermore and due to the platform characteristics, member may also create and share content with colleagues, collaborate both within and across organisations and prepare interactive presentations for meetings or seminars.</p>
Go-Lab Scenario	<p>A Go-Lab scenario is a sequence of activities/phases in an ILS that follow a specific inquiry approach (e.g., learning by critiquing). A Go-Lab scenario always has elements of an inquiry cycle in it.</p>
Standalone user	<p>A standalone user in the context of Go-Lab is a learner who has been active in an ILS.</p>
Owner	<p>In Graasp, an owner is a member of a space that has the right to invite other members or revoke their memberships, as well as to add or delete content and services. In inquiry learning spaces, the owner, typically a teacher, can opt in for activity tracking to offer learning analytics and share a private access link to other users,</p>

	typically students.
Editor	In Graasp, an editor is a member of a space that has the right to add content and services, as well as to delete resources added by him or herself.
Viewer	In Graasp, a viewer is a member of a space that has the right to see its content, as well as to use the discussion feature to share comments.
Angela	In Graasp, AngeLA is the guardian Angel for Learning Analytics , i.e., a software agent collecting activity traces and learning outcome at space level. It is displayed as a member of a space using the metaphor of a virtual observer to make clear to users that tracking is activated. When present, LA apps can be added and support contextual awareness and reflection.
GO-GA	GO-GA (Go-Lab Goes Africa) is an H2020 project that intends to adapt and implement the Go-Lab Ecosystem in Africa
Teacher dashboard	A teacher dashboard is a dedicated subspace in Graasp in which Learning Analytic apps are grouped so that teachers can gain an overview of the data of their students.
Student dashboard	A students dashboard is a dedicated phase in an ILS in which Learning Analytic apps are grouped so that students can gain an overview of their own data often in comparison with the data from their fellow students (who in the case of the student dashboard are displayed anonymously).