

CERTIFICATE

OF ACADEMIC ACHIEVEMENT

ETH Zurich

on behalf of the ENHANCE Alliance

certifies that

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has completed

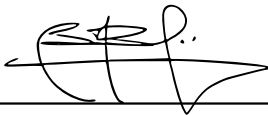
developed and implemented by

Sid Lamichhane

*The Summer School Co-creating
transformative knowledge: Inter- and
transdisciplinary research in practice*

ETH Zurich

Zurich, 28.08.2026

A handwritten signature in black ink, appearing to read "B. Vienni-Baptista", written over a horizontal line.

PD Dr. Bianca Vienni-Baptista

ETH Zurich, D-USYS, TdLab, Group Leader Cultural Studies of Science & Technology (CSTS)



The ENHANCE Alliance, a network of ten top European technology universities, advances education and collaboration to tackle global challenges. Focused on climate action, AI, diversity, and sustainable entrepreneurship, we connect students and researchers with society and industry to drive responsible transformation.

CERTIFICATE SUPPLEMENT



Learner

First and last name	Sid Lamichhane
Date of Birth	[REDACTED]
Place of Birth	[REDACTED]
Student at	Technische Universität Berlin

Credential

Name	Certificate of Academic Achievement ENHANCE micro-credential
Learning activity	<i>Co-creating transformative knowledge: Inter- and transdisciplinary research in practice</i>
Awarding body	ETH Zurich
Date of issuing	28.08.2026
Workload	30 hours, which is equivalent to 2 ECTS
EQF level	7 & 8

Learning outcomes

The summer school offered practical guidance on interdisciplinary and transdisciplinary research projects that co-create transformative knowledge in collaboration with diverse actors. It provided an overview of the research process, along with tools and resources to strengthen collaboration across disciplines, sectors, and civil society. Through hands-on experimentation with selected tools, participants explored key challenges in designing and conducting research that responds to societal needs.

At the end of the summer school students are able to:

- Jointly frame and analyse complex societal and environmental problems, and evaluate their potential societal impacts.
- Critically reflect on the strengths and limitations of their own perspectives, positionality, and epistemic assumptions in transformative research settings.
- Develop a broader understanding of collaborative constellations and transformative processes involved in addressing real-world challenges.

Language of instruction

English

Form of participation in the learning activity

Mode of learning

on-site at ETH Zurich

Duration

24. – 28.08.2026

Number of contact hours

35 hours

Learning activities

Sessions are structured around four modules covering the phases of the inter- and transdisciplinary research process: understanding inter- and transdisciplinary research, developing collaborative conditions, co-creating a research project, and improving research skills and competencies. They combine three elements. First, conceptual and methodological inputs provided by lecturers and invited experts, particularly on specific case studies. Second, guided activities to apply integration concepts, methods, and tools to two case studies: integrated assessment models for sustainable development (DIAMOND) and coordinated interactions among researchers and partners in the energy system (CoSi). Third, a site visit to the Paul Scherrer Institute (PSI) and the Hunziker Areal in Zurich, featuring a case of interdisciplinary or transdisciplinary research in Switzerland.

Students prepare themselves for the summer school individually, by reading mandatory papers introducing the core elements of the summer school, using key questions to guide their individual reflections. The teaching sessions actively built on students' individual reflections and engage with key insights gained from their readings.

To accompany the learning process, students were invited to work on a guidebook to reflect on the course content, the group work and their experience in analysing the case studies, applying concepts and methods.

Scope

Students work in groups to analyse case studies focusing on core elements of the summer school. This assignment was mandatory and included preparing a final brief joint group presentation.

Instructors

PD Dr. Bianca Vienni-Baptista, ETH Zurich, D-USYS, TdLab, Group Leader Cultural Studies of Science & Technology (CSTS)

Type of Assessment

The summer school offered conceptual and methodological inputs presented by the lecturers, case studies introduced by invited experts as well as enough time for group and individual activities carried out by students. Students fulfilled one mandatory group assignment:

- Analyse empirical case studies including methods and tools in groups of 4-5 students; and prepare a brief oral presentation.
- To accompany the learning process, students were invited to work on a guidebook to reflect on the course content and group work.