

Supporting Collaborative Teaching for Internationalisation Experiences from the UNITE! Network

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Questions we hope to address...

- 1 What is Unite! ?
- 2 What does Collaborative Teaching mean for Unite! ?
- 3 How does Unite! enable Collaborative Teaching?
- 4 What kind of Collaborative Teaching is currently happening at Aalto?

A!

unite! |



Unite! Fact Sheet

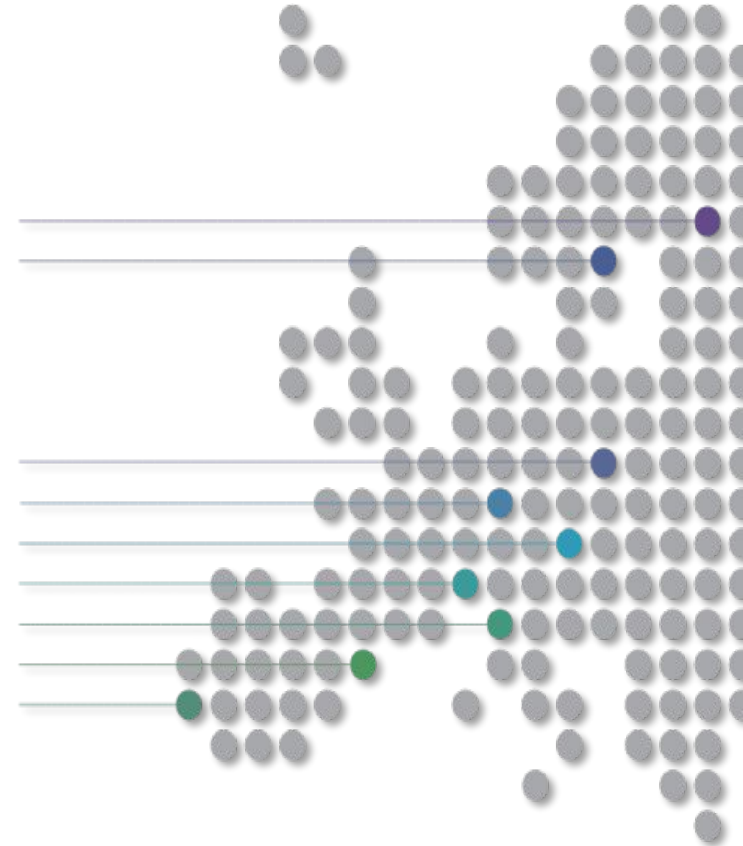
Three pillars of cooperation

- **Joint Teaching**
- **Joint Research & Innovation**
- **Student Exchange**

- Born as a European Commission initiative – European Universities Initiative
- One of 64 European University Alliances
- 9 partner universities
- Sustainability, innovation and technology as main themes

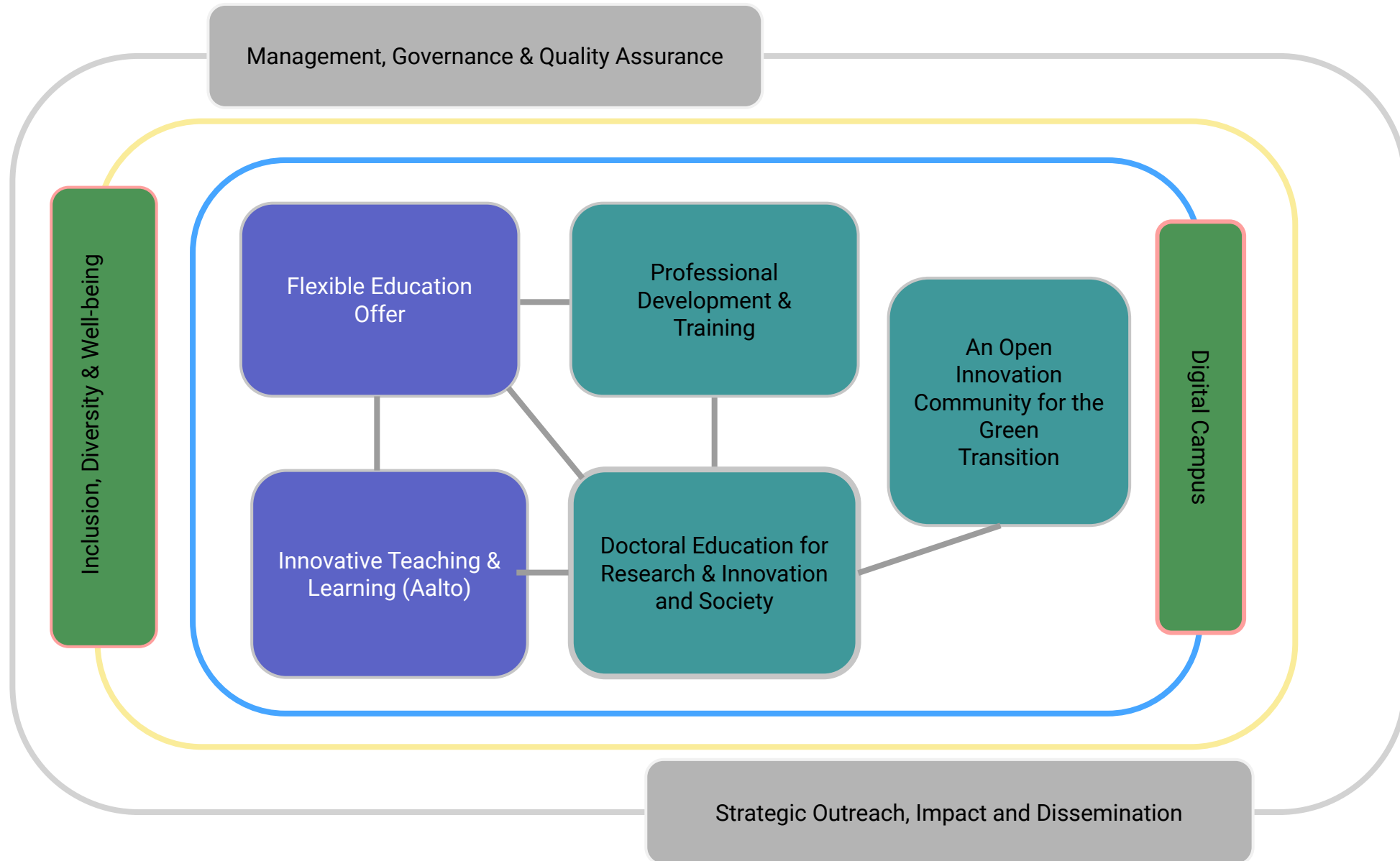
Aalto University, Espoo/Helsinki
KTH Royal Institute of Technology, Stockholm

Wrocław Tech
Technical University of Darmstadt
Graz University of Technology
Grenoble INP-UGA
Politecnico di Torino
Universitat Politècnica de Catalunya · BarcelonaTech
Universidade de Lisboa



**Unite! aims at embedding cooperation
into the universities everyday functioning
in the long-term**

Unite! Communities Structure



What is Collaborative Teaching at Unite! ?

- Courses or degrees implemented by **2 or more partner universities**
- Formal education: must provide **study credits**

Objectives

- Students have access to a wider and more diverse catalogue of courses
- Universities can benefit from the expertise of the partners
- Creates opportunities to provide offerings than one university alone would not be able to provide
- Fosters international academic exchange among teaching staff, but also students

Examples of Collaborative Teaching and Joint Education

Joint Programmes

- International Master's Degree Programmes, where participants complete their students in at least 2 different universities.

Collaborative Courses

- COILs
 - Collaborative Online International Learning
- BIPS
 - Blended Intensive Programmes
 - Summer/Winter Schools, e.g.

Virtual Exchanges

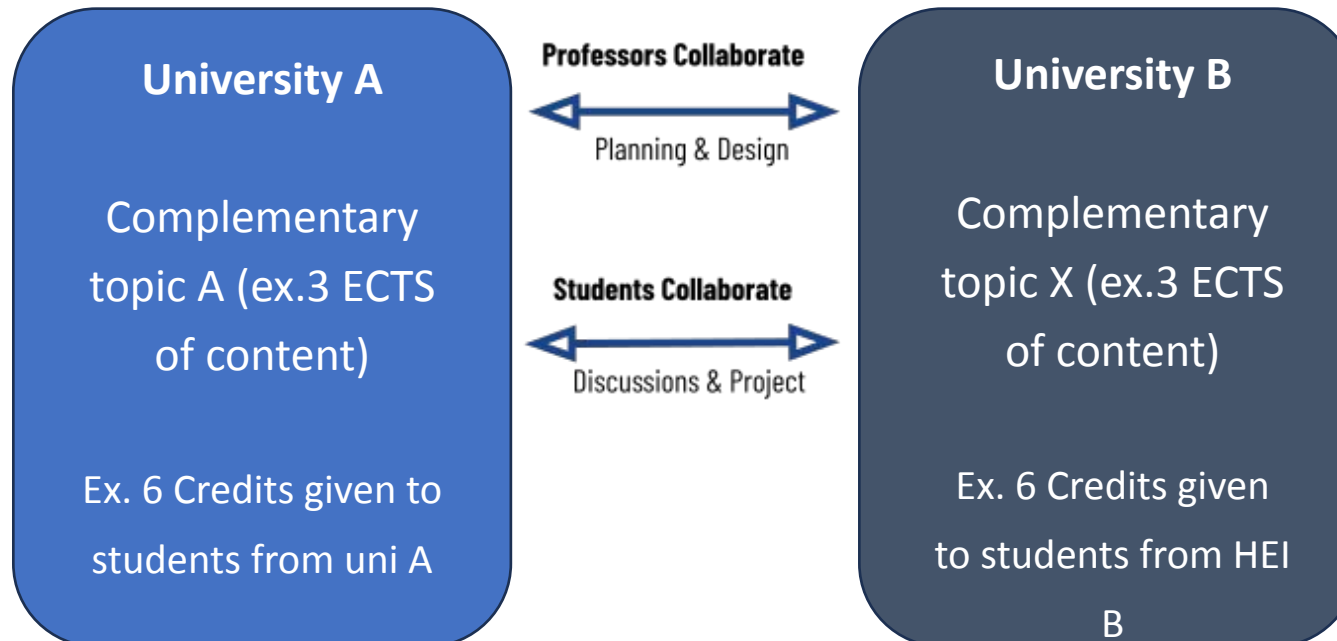
- Online courses from an existing curriculum that are open to participants from other universities.
- The student applies for credit transfer locally at their home university

Collaborative Online International Learning (COIL)

Ex. Professor A gives 6 ECTS to students in uni A



Ex. Professor B gives 6 ECTS to students in uni B

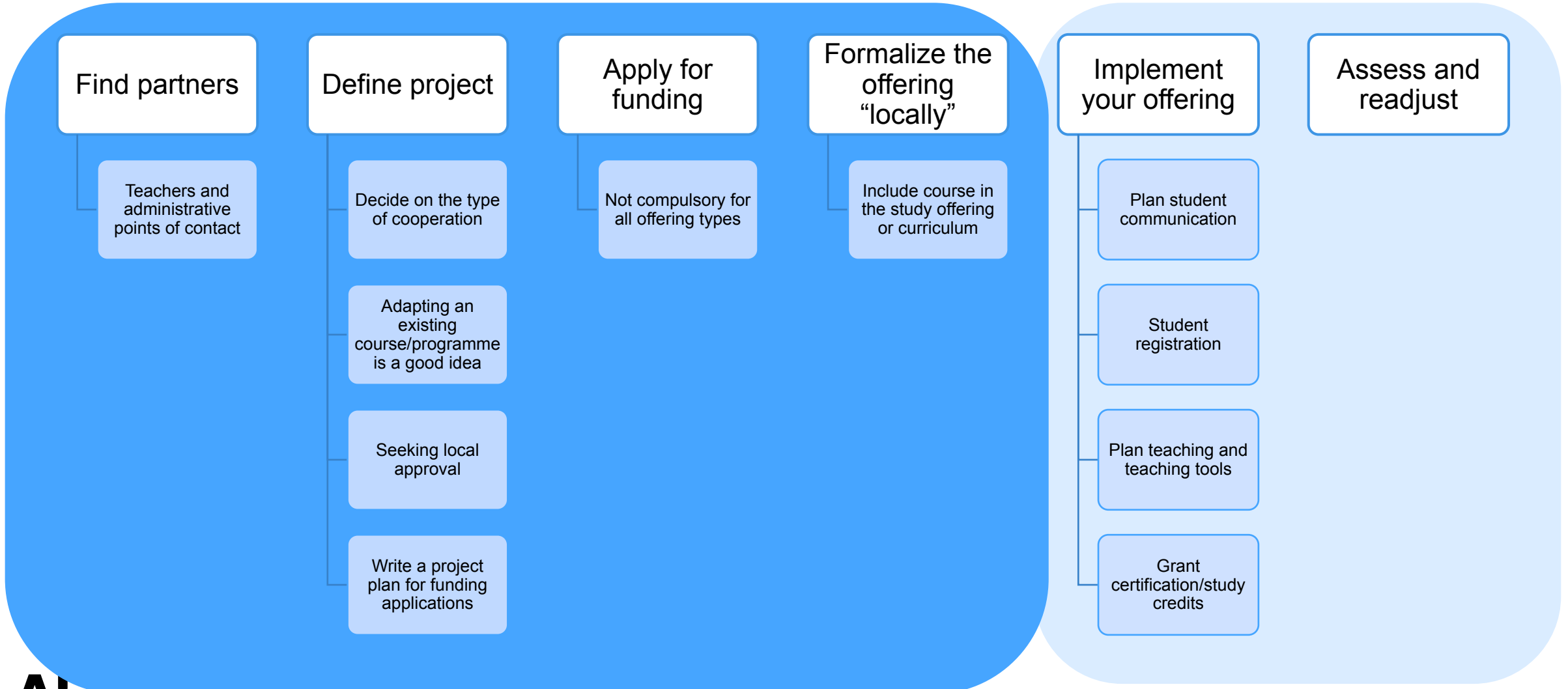


A!

Image adapted from coil.suny.edu

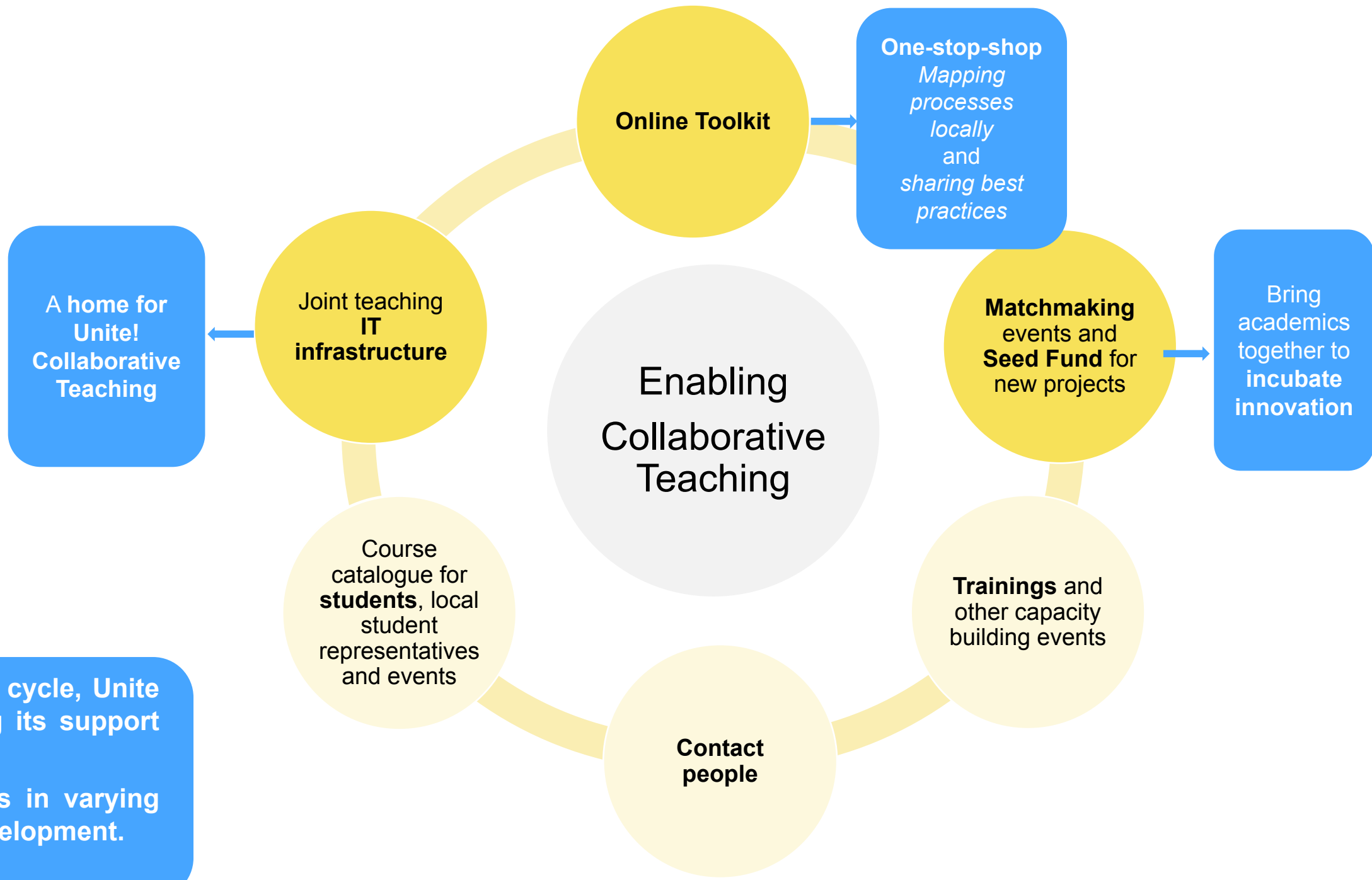
Creating a Collaborative Teaching offering

in a nutshell at Aalto University



Teaching a Collaborative Course





Online Toolkit - Joint Programme Design Filtering Tool

Joint Programme Design Filtering Tool

The filtering tool
provides crucial data for the design of new joint Master's programmes.

Solutions for joint programme management are facilitated by the awareness of the legislation and internal policies that Uniter universities are bound to.

Each Uniter partner has completed the document concerning their national legislation and university policy. The data can also be used when forming a consortium agreement or submitting a winning project proposal.

How to use the filtering tool:
Choose the **Topic** of interest and select the **university partners**.
The content can be downloaded. Contact the joint programme expert team for support.

The filtering tool is delivered and monitored by the joint programme expert team within the community Uniter innovative Teaching and Learning.

[Learn more](#)

Search: [Search](#)

Filter by Topic: [Accreditation](#) [Study regulations](#) [Master thesis](#) [Termination of a JP](#) [Cooperation & JP team](#) [Entry requirements & admissions](#) [Degree req. & course recognition](#) [Degree certificate](#) [Internal quality assurance](#) [Access & student wellbeing](#) [Miscellaneous](#)

Filter by University partner:

- Aalto Accreditation [CONTACT](#)
- INP/UGA Accreditation [CONTACT](#)
- KTH Accreditation [CONTACT](#)
- PoliTO Accreditation [CONTACT](#)
- TuDa Accreditation [CONTACT](#)
- TU Graz Accreditation [CONTACT](#)
- UL, IST Accreditation [CONTACT](#)
- UPC Accreditation [CONTACT](#)
- Wroclaw Tech Accreditation [CONTACT](#)

[Feedback](#)

Collaborative Teaching at Aalto University

Joint Programme- CoDaS Master of Science in Communications Engineering and Data Science



Four partner universities

Aalto
Grenoble INP
Técnico Lisboa
TU Braunschweig



Students study their 1st year in one university and 2nd year in another



1st year studies common in all universities, specialization on the 2nd year



Students graduate from both universities they have studied in

Collaborative Course – Design Thinking Blended Intensive Programme



Problem-based learning course



Guest lecturers and tutoring shared between partners

Aalto
UPC
PoLiTo



Face-to-face week hosted at Aalto University



81 hours (3 ECTS)

Collaborative Teaching at Aalto 2023-2025

Collaborative Courses		Joint Programmes		Virtual Exchanges
Name	Partners	Name	Partners	
				<u>Sustainability in Teaching (Pedagogical Course)</u>
<u>Unite! Blended Intensive Program on Design thinking and product development</u>	Aalto, UPC, PoliTo	<u>CoDaS</u>	Aalto (coord), GINP-UGA, UPC, ULisboa, TU Braunschweig	<u>Thesis Writing for Engineers (MSc)</u>
<u>Communications Engineering and data science</u>	UPC, Aalto, PoliTo, TU-Braunschweig	<u>Advanced Materials for Innovation and Sustainability (AMIS)</u>	GINP-UGA (coord), Aalto, TU Darmstadt, Université de Bordeaux, Université de Liège	<u>Introductory Finnish (MOOC)</u>
7 Teaching & Learning new projects involving Aalto University have been granted Seed Funding in June 2024		<u>Mathematics and Operations Research /Industrial and Applied Mathematics, Operations Research, Combinatorics, Optimization</u>	Aalto, GINP-UGA ENSIMAG	<u>Circular Economy for Energy Storage Theory (Energy Engineering Virtual Exchange)</u>
		<u>Computer Science, Machine Learning, Data Science, AI / Informatics, Information Systems Engineering</u>	Aalto, GINP-UGA ENSIMAG	<u>Russian 1</u>
		<u>Communications Engineering</u>	Aalto, UPC, GINP-UGA ENSIMAG	

Possible directions for the future?

- Strategic alignment on the integration of Collaborative Teaching into curriculum planning
 - Anticipate allocation of resources for international cooperation
- Shared quality assurance process for Unite! education
 - Alliance-wide quality assurance for educational offerings that are accepted by every partner to streamline accreditation and increase offerings' appeal to students



WANT TO KNOW MORE?

Scan the QR code below and find these slides and some of the resources mentioned here



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