

# CONCRETO ACADEMY TA

ABOUT [www.concreto-academy.org](http://www.concreto-academy.org)

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**CONCRETO** is a 36-month project bringing together 13 partners from 5 EU countries to promote the **GREEN REHABILITATION of EUROPEAN CONCRETE ARCHITECTURE**. Inspired by the Renaissance idea of the "Artist's Shop" or "La Bottega", the CONCRETO ALLIANCE will work together on a learner-centred, INNOVATIVE apprenticeship programme, where students and professionals acquire and practice skills on real-life examples, progressing from students to APPRENTICES. The CONCRETO Partners **recognise the LACK of specialist skills** available and the **NEED TO DEVELOP GUIDELINES AND STANDARDS** for the quality regeneration and maintenance of our MODERN CONCRETE BUILDINGS. From here, the INNOVATIVE IDEA of creating a cross-sectoral knowledge flow, promoting best practices by fostering a **NEW SKILL SET** to better equip professionals to become the experts of **TOMORROW**.

The **CONCRETO Consortium** is composed of:

MPHO	HEIs	VET	TA
2 Modern Heritage Preservation Organisation	3 Higher Education institutions	3 Vocational Training Organization	5 Trade Associations
<b>PLN Project</b> Pier Luigi Nervi Foundation (BE) Project Coordinator  <b>DOCOMOMO International</b> (NL)	<b>METU</b> Middle East Technical University (TR)  <b>PolIMI</b> Politecnico di Milano, Laboratorio Nervi (IT)  <b>UPM</b> Universidad Politécnica de Madrid (ES)	<b>IIPLE</b> Istituto per l'Istruzione Professionale dei Lavoratori Edili della Provincia di Bologna (IT)  <b>FLC</b> Fundación Laboral de la Construcción, Madrid (ES)  <b>MYK</b> Mesleki Yeterlilik Kurumu (Vocational Qualifications Authority of Turkey) (TR)	<b>ATCEA</b> Association of Turkish Consulting Engineers and Architects (TR)  <b>CCICCP</b> Colegio de ingenieros de Caminos, Canales y Puertos (ES)  <b>CNAPPC</b> Consiglio Nazionale Architetti, Paesaggisti e Conservatori (IT)  <b>FCNI</b> Consiglio Nazionale Ingegneri (IT)  <b>CSCAE</b> Consejo Superior de los Colegios de Arquitectos de España (ES)

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**CONCRETO** will

- Give life to the **CONCRETO ALLIANCE** to promote transnational cooperation and mutual learning between academia, vocational training and professionals in the field, bridging the two-way approach, the principle (academia) and the practice (field) through all CONCRETO activities.
- Bring together **84 students** and more than **30 teachers** to participate in the **3-year programme** with activities in 2 EU countries (Italy, Spain) and Türkiye and 1 UNESCO site in Ivrea (Italy), where the students will actively carry out maintenance and regeneration work on selected buildings as their final project (CONCRETO MASTERPIECE), contributing to their green sustainability.
- Generate the **CONCRETO ALLIANCE CODE BOOK**, a baseline that identifies the skills required to renovate quality architecture, and ultimately publish the **CONCRETO GUIDELINES** - the CORE of CONCRETO sustainability, and a **MOOC** with the project results available on the open platform of the **CONCRETO ACADEMY**, a permanent opportunity for knowledge growth and exchange, promoting "**smarter**" and "**greener**" renovations.

CONCRETO envisions synchronous as well as asynchronous interaction with the participants, which will include a group comprised of students of Higher Education Institutions (HEIs), and learners from Vocational Education Training (VET) organizations, together with professionals selected by the National Trade Associations of the respective countries for a total of 28 participants each year.

CONCRETO is defined as learner-centred, engaging and based on real life experience becoming today's and tomorrow's "**artist shop for concrete architecture and its rehabilitation methods**" (*La bottega delle riparazioni del cemento*). CONCRETO is conceived as a EUROPEAN INCUBATOR to promote and foster best practices for the Rehabilitation of our Concrete Quality Building Stock.

Watch this video to learn more about the project: <https://youtu.be/H1S17-2b1WM>

## TEACHING & TRAINING ACTIVITIES:

The CONCRETO Consortium recognizes the need to update “**traditional**” sectoral skills and to make them more relevant to the new integrated approach in line with EU priorities.

To do this, CONCRETO identified FIVE SKILL PILLARS of theoretical and practical knowledge for PROFESSIONALS to master, when engaged with the REHABILITATION and REGENERATION of our CONCRETE buildings:

- Concrete Assessment / Investigation
- Concrete Repair - Traditional Repair and Electrochemical Repair
- Surface Treatment
- Concrete Retrofitting and Improvement of Energy Performance
- Monitoring/Maintenance/Site Management

The FIVE SKILL PILLARS are integrated in the CONCRETO intellectual journey through DIFFERENT LEARNING PROCESSES and METHODOLOGIES: Distance Learning (**Concrete Steppingstone**); In-class lectures & Hands-on Practice (**Concrete Master Your Skills**); and Field work at the Unesco Site of Ivrea (**Concrete Masterpiece**).



The CONCRETO Teaching & Training Activities Calendar will be undertaken as follows:

- **CONCRETO STEPPINGSTONE:** Introductory Online Training - 3 days. **January 2025**
- **CONCRETO MASTER YOUR SKILLS @ UPM Campus in Madrid, Spain:** Hybrid Learning: In class & in the field. **April 2025**
- **CONCRETO MASTERPIECE @ IVREA UNESCO SITE:** Summer Camp – Field School. **July 2025 – August 2025**

## DETAILED CALENDAR OF CONCRETO TEACHING ACTIVITIES 2025:

Total students: 2 per year.

Student Type	CONCRETO STEPPINGSTONE Online	CONCRETO MASTER YOUR SKILLS UPM / Madrid 2025	CONCRETO MASTERPIECE UNESCO SITE IVREA 2025	
			Group A (1 professional)	Group B (1 professional)
TA Professionals	29-31 January 2025	8-12 April 2025	19 July-26 July, 2025	2 August-9 August 2025

### CONCRETO STEPPINGSTONE:

CONCRETO STEPPINGSTONE 2025			
Professionals	How many students from your organization	Date	Online Training
TA Professionals	2	29-31 January, 2025	Online Training (09.00 – 14.00) Time might differ slightly.

### CONCRETO MASTER YOUR SKILLS:

CONCRETO MASTER YOUR SKILLS 2025			
Professionals	How many students from your organization	Date	UPM Madrid Campus
TA Professionals	2	7-12 April 2025	CONCRETO DAY is on <b>11 April 2025</b> . <b>*See note below for earlier arrival.</b>

**\*Important:** Professionals are welcome to join earlier and are encouraged to arrive on April 5<sup>th</sup>, 2025. On April 6<sup>th</sup>, there is a site visit to the city of Toledo organized and led by CSCAE, and on April 7<sup>th</sup>, they will start with a technical visit.

**CONCRETO MASTERPIECE @ IVREA UNESCO SITE:**

CONCRETO MASTERPIECE			
TA	How many students from your organization	Date	IVREA
GROUP A	1 professional	19 July-26 July, 2025	Arrive on 19 July (Saturday), and departure on 26 July (Saturday).
GROUP B	1 professional	2 August-9 August, 2025	Arrive on 2 August (Saturday), and departure on 9 August (Saturday).

**VIDEO CLIP:**

Once you have completed your student selection, remember to ask your future CONCRETO apprentice to create a short video clip (30 seconds).

**Become part of the CONCRETO FAMILY: Create a short introductory video where you answer the following questions:**

- **What is your name?**
- **Where are you from and what is your institution?**
- **Why are you interested in CONCRETO?**
- **What are your expectations?**