

# Student training on environmental aspects of sustainability

Various examples of courses, workshops, talks, and conferences on environmental aspects of sustainability are presented.

- 5/10/2023 Lecture: Carlota Pi teaches the inaugural lesson at the course opening ceremony, entitled "The Roof Revolution".



Lecture: "The Rooftop Revolution" by Carlota PI captivated the audience and explained how, thirteen years ago, she had started the company and was providing electricity service to more than 325,000 customers and managing more than 12,500 photovoltaic installations. Through Holaluz, the entrepreneur had revolutionized the Spanish energy sector by proposing a structural change for the entire system: transforming square footage of rooftops into producers of green energy for everyone and connecting people to renewable energy. She pointed out that solar energy had to be a key catalyst to drive the energy transition in Spain and Europe as a solution to the climate crisis at the time.

- 25/11/2023 Ethics and Climate Action, debate at the 15th edition of the Cross-disciplinary Sustainability Workshop | Universitat Internacional de Catalunya



More than 170 UIC Barcelona students had presented their project proposals for caring for the planet as part of the 15th edition of the Cross-Disciplinary Sustainability Workshop held the previous day, 14 November.

The workshop had ended with the session-colloquium “Geopolitical Consequences of the Paris Treaty” by Dr. Josep Garí, senior policy advisor, UNDP – United Nations Development Program. The expert had discussed the significance of this treaty, describing it as “the most important of this century,” both in terms of its theme and the level of international support, with 187 countries backing it. “This treaty will shape this century. The last century was marked by peace among nations, and now we focus on peace between humanity and the planet—a peace that will not be easy to achieve but is essential,” Garí had stated before an Aula Magna lecture hall full of students, professors, and members of the local community.

“We were facing multiple planetary crises, but the climate crisis was the only truly global one, making it a paradigm case. Carbon had become a new international metric, which was why decarbonization was constantly discussed as one of the main objectives of leading global companies,” he had explained, also congratulating UIC Barcelona for its initiative and all the students involved.

#### **- 06/09/2023 UIC Barcelona School of Architecture begins the course with the Vertical Workshop “Inhabiting the Façade”**



The Vertical Workshop took place between 4 and 8 September, marking the beginning of the academic year for our University’s School of Architecture. On this occasion, students from years 2 to 5 pooled their knowledge in teams to build six modular façade system prototypes. The jury of the Vertical Workshop selected the project “Babylon” as the winner of this 25th edition.

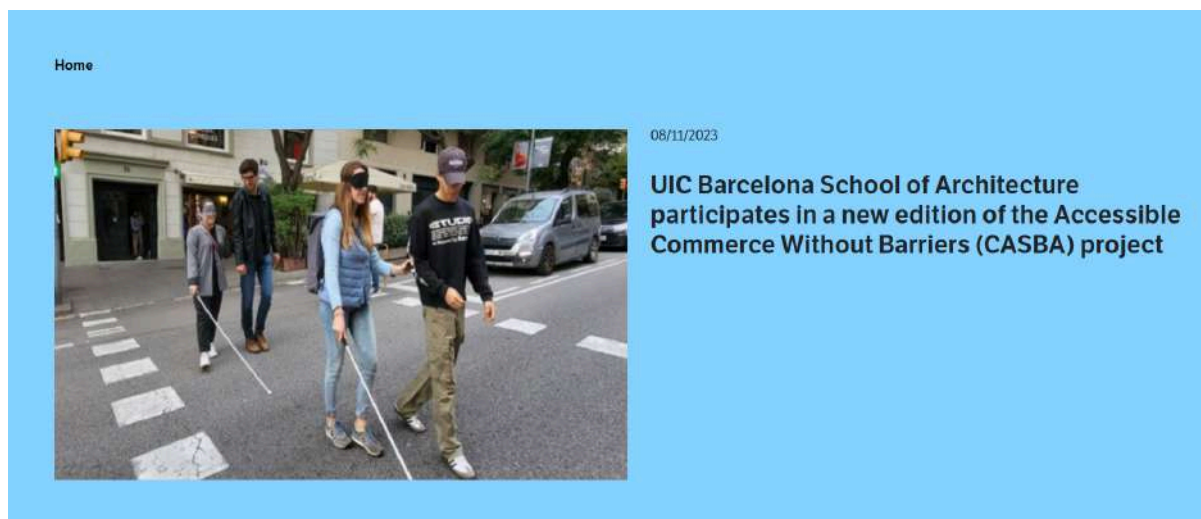
At the opening of this activity, Echarri highlighted the value of carrying out transversal academic activities and recalled that “the Vertical Workshop promotes the values of this university, such as loyalty among colleagues, hard and quality work, and mutual respect.”

In addition to the practical activities, students have attended various conferences and teachers have attended research seminars related to the subject.

As on other occasions, students have been able to work with real materials, thanks to the different sponsors who have participated: ROCKWOOL, Technal, Kriskadecor, Saint Gobain, iGuzzini, and Hiemesa.

The six projects addressed the challenge from different and complementary perspectives. Modular balcony and gallery prototypes of different sizes that can be anchored in the facade, and different solutions for the improvement and insulation of the pre-existing facades were presented. The students used plants, recycled and recyclable materials, rainwater collection systems, etc. All teams provided technical details, architectural plans and renders for the projects.

### **8/11/2023 UIC Barcelona School of Architecture participates in a new edition of the Accessible Commerce Without Barriers (CASBA) project**



Coordinated by lecturer Enrique Rovira-Beleta, students from UIC Barcelona School of Architecture worked together with people with disabilities to analyse the physical and communication accessibility of eleven shops in Sant Gervasi.

Within the framework of the CASBA project, architecture students visited shops in the commercial zone of Sant Gervasi with wheelchairs, masks, and canes to raise awareness about the needs of people with disabilities. The students subsequently visited each relevant business to conduct a study to incorporate the necessary accessibility measures.

- Conference: 21st Century Cities: Biophilia and Sustainability with Cases Singlars



- 15th Cross-Disciplinary Workshop on Sustainability “Climate Action and Ethics



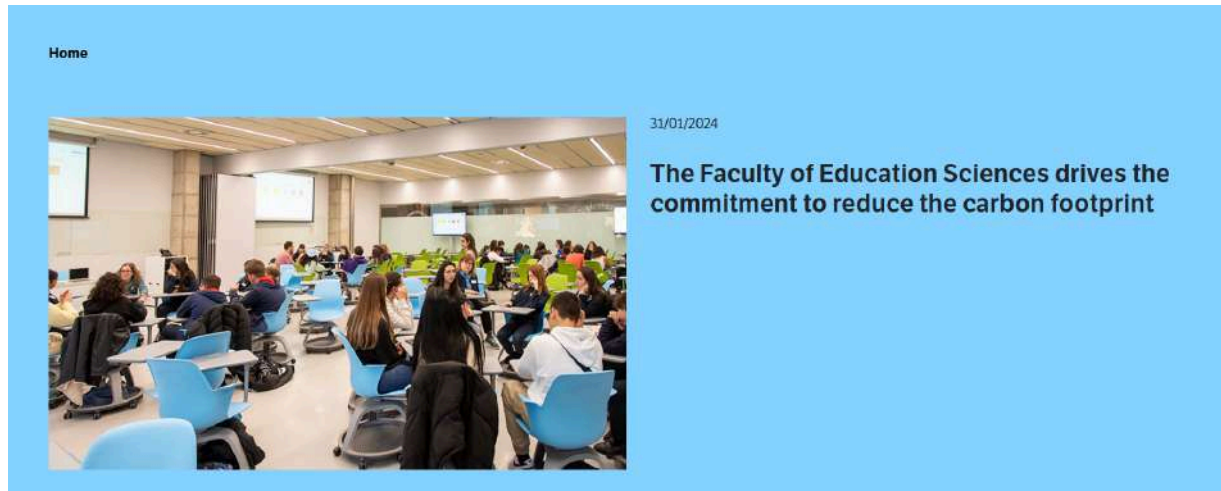
- 24/11/2023 Unzué at a new UIC Barcelona Alumni meeting: "Sport has given me values that now help me live"





- 30/11/2023 2nd Session | 2023 Entrepreneurship Cycle: I Do Like Mondays. VERITAS: Purpose as a Compass

30/01/2024 The Faculty of Education Sciences drives the commitment to reduce the carbon footprint



The first meeting took place on 26 January within the framework of the Empremta CO<sup>4</sup> (eCO<sup>4</sup>) research project to discuss the concept of commitment. Different educational centres and young activists had the opportunity to explain the keys to putting the plan into action.

The Empremta CO<sup>4</sup> project sought to promote a cooperative model of education to advance a comprehensive ecology and global justice. The aim was to generate an eCO<sup>4</sup> footprint—awareness, coherence, commitment, and consistency—in citizens and especially young people in youth centres and organisations.

- 25/01/2024 UIC Barcelona School of Architecture launches the Foros 2024 conference series: "Landing", a look at the future of architecture. 6 Conferences.



Foros, the annual conference series organized by UIC Barcelona School of Architecture, has used this year's edition to reflect on and analyze proposals from architects who are defining the new architectural paradigm.

Foros has become a benchmark for the academic and professional architecture community. Through talks by prestigious invited speakers from both Spain and abroad, the conference series aims to address current issues and spark discussions on aspects that are vitally important for architects.

[“Understanding the architectural game of a skyscraper”. Torre Reforma.](#)

By Benjamín Romano, with Santi Mercadé

1 February 2024, 6.30 p.m.

IESE Business School - Barcelona Campus Norte - Aula Magna: C/ Arnús i Garí 7, 08034 Barcelona

Mexican architect Benjamín Romano ([LBR&A Arquitectos](#)) uncovers the secrets of [Torre Reforma](#), a skyscraper that has become an icon of the Mexico City skyline. The architect will explain the project from an architectural perspective, focusing on flow efficiency, human comfort, and the urban context. He will also discuss how the project departs from a generation of skyscrapers traditionally designed with glazed façades. Santi Mercadé, CEO of CEO of [Layetana Real Estate](#), will share his insights on the role of development and real estate in promoting architectural projects that transcend construction.

[“New times, new lives, new cities. Zero gravity urbanism and other \(not so\) revolutionary techniques”](#)

By Albert Civit and Pablo Molina

15 February 2024, 6.30 p.m.

IESE Business School - Barcelona Campus Norte - Aula Magna: C/ Arnús i Garí 7, 08034 Barcelona

Barcelona architect Albert Civit, former head of the Institut Català del Sòl, and Pablo Molina, legal expert in urban law and partner at [Garrigues](#), share their perspective on the design of future cities. “[Zero gravity urbanism](#)” is an approach that seeks solutions to social and environmental challenges, aiming to achieve a balance between nature, conservation, habitability, and sustainable human progress. New multidisciplinary methodologies are being employed to shape future cities. Unlike 20th-century urban development, this model addresses the world's most pressing environmental and urban challenges while accommodating a rapidly growing urban population.

[Link Streaming](#)

“2226 and the future of architecture”

By Dietmar Eberle and Hugo Herrera, with Ignacio Fernández Solla

29 February 2024, 6.30 p.m.

IESE Business School - Barcelona Campus Norte - Aula Magna: C/ Arnús i Garí 7, 08034 Barcelona

Dietmar Eberle is the founder of [Baumschlager Eberle Architekten](#), a studio that has won over 150 international competitions and numerous awards. The studio's [2226 building](#) exemplifies a new approach to construction, where innovation and research leverage traditional design principles to create energy-efficient buildings. Dietmar Eberle has spearheaded an industry that allows these systems to be implemented in new constructions. [Ignacio Fernández Solla](#) an engineer at ARUP consultancy, designs façades for architectural projects worldwide that integrate cutting-edge technology to achieve sustainability and efficiency.

[Link Streaming](#)

“High-tech and low-tech solutions in architecture”

By Stefan Behnisch and Ana Mercadé, with Lara Pellegrini

14 March 2024, 6.30 p.m.

IESE Business School - Barcelona Campus Norte - Aula Magna: C/ Arnús i Garí 7, 08034 Barcelona

[Behnisch Architekten](#) is a firm with offices in a number of cities in Germany and the United States that has worked on projects worldwide. Stefan Behnisch and Ana Mercadé will present the [Science and Engineering Complex at Harvard University](#), one of their most iconic projects. This research facility is designed to inspire learning and scientific discovery while prioritizing sustainability. It applies engineering principles to tackle global challenges. [Lara Pellegrini](#), general director of Cities, Building, Energy and Environment at SOCOTEC consultancy, is an expert in structural calculations and a prominent voice in architectural engineering.

[Link Streaming](#)

[“Rethinking the limits of architecture”](#). [Fundación Ría](#)

By David Chipperfield and Manuel Rodríguez, with Josep Bohigas

18 April 2024, 6.30 p.m.

UIC Barcelona Aula Magna. C/ de la Immaculada, 22, 08017 Barcelona

David Chipperfield, winner of the Pritzker Architecture Prize 2023, and Manuel Rodríguez, director of [Fundación RIA](#), discuss the foundation's impact as an independent think tank focused on analysis, reflection, and strategic territorial planning. Adopting a bottom-up approach that closely engages with local communities and social entities, Fundación RIA establishes links between public and private stakeholders. The foundation advocates for decentralized urbanism aligned with environmental, economic, and social sustainability. Architect Josep Bohigas was director of the public urban development agency [Barcelona Regional](#) between 2016 and 2023. The agency led transformative projects in the Barcelona metropolitan area, integrating urban planning, infrastructure, and environmental strategies.

[“Within nature”](#)

By Kengo Kuma and Jordi Viñals, with Lorenzo Chelleri

17 May 2024, 6.00 p.m.

UIC Barcelona Aula Magna. C/ de la Immaculada, 22, 08017 Barcelona

[Kengo Kuma & Associates](#) (KKAA) is an internationally renowned architecture firm with offices in Tokyo, Paris, Beijing, and Shanghai. Its founder, Kengo Kuma, is recognized for his philosophy, which seeks to revive traditional Japanese architecture while reinterpreting it for the 21st century. The firm's projects integrate natural materials, respect the environment, and blend seamlessly with the landscape. Lorenzo Chelleri, a researcher at UIC Barcelona and director of the [international master's degree in City Resilience Design and Management](#), is also the president of the Urban Resilience Research Network (URNet).



**- 04/04/2024 UIC Barcelona students present public space designs for those affected in La Palma**




The students of the Master in International Cooperation in Sustainable Emergency Architecture (MICSEA) worked on the design of public spaces in collaboration with those affected in La Palma, who currently live in 60 m<sup>2</sup> metal containers after being displaced by the Cumbre Vieja volcano.

The students developed three proposals for public spaces together with the island's residents to ensure that the designs reflect their culture, identity, and traditions. A participatory methodology was used, beginning with an initial diagnosis of the area, followed by joint activities with displaced residents to understand their needs and desires. Discussion groups, interviews, and site visits helped inform the final designs, ensuring they align with the affected community's cultural identity.

The UIC Barcelona initiative empowers the displaced community by allowing them to actively participate in shaping their future.

**- 20/03/2024 Feminism and environmentalism” | Cultural Evenings 2nd Session**

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**20**  
March  
18:30

**“Feminism and environmentalism” | Cultural Evenings 2nd Session**

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- 08/05/2024 About 60 proposals are presented at the 3rd SDG Congress of UIC Barcelona



For the third consecutive year, the University's Cooperation and Development Office has organised the SDG Congress of the 2030 Agenda: Climate Action, Health and Ethics at UIC Barcelona. At the event, held on 3 May at the Sant Cugat Campus, 300 students from different degrees participated and presented a total of 58 sustainable proposals.