

WRRmod2026

BARCELONA – SPAIN – EUROPE



Universitat Autònoma Barcelona - Ceit-Universidad de Navarra

UAB
Universitat Autònoma
de Barcelona

ceit
MEMBER OF
BASQUE RESEARCH
& TECHNOLOGY ALLIANCE



Universidad
de Navarra

Why a Spanish candidature?

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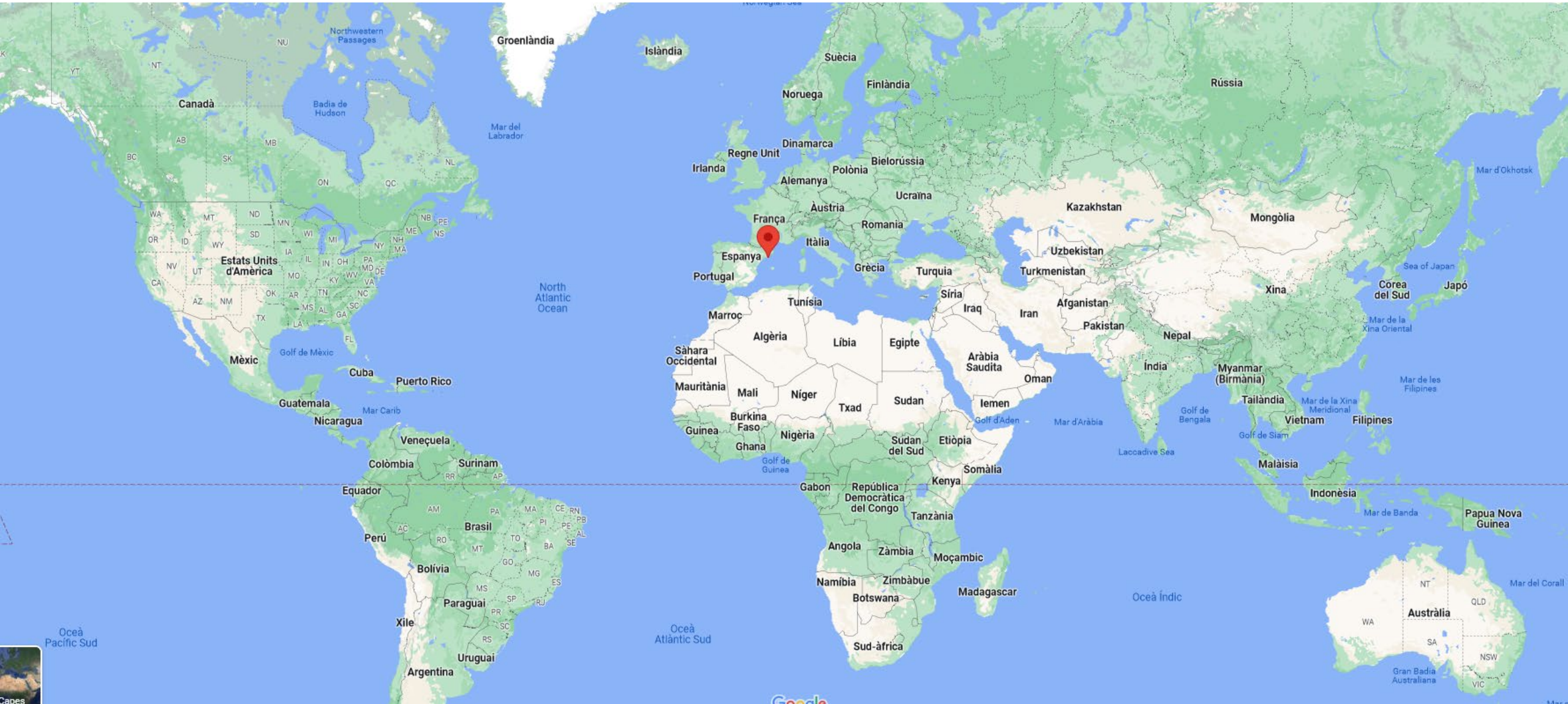
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- ✓ We propose an organizing committee composed of the research groups GENOCOV – Universitat Autònoma de Barcelona (UAB), CEIT, Universidad de Navarra, co-chaired by Dr. Juan Antonio Baeza from UAB (member of the MIA-SG management committee and former ICA-SG Chair) and Dr. Paloma Grau

- ✓ Long track record of research in the modelling field, related to WWTP processes, from model definition to practical implementations
- ✓ The public bodies of the Spanish and Catalan Government (i.e. the Catalan Water Agency and other regional water authorities) as well as the Catalan Water Partnership (consisting of around 130 SMEs and water-related companies) have always supported the existing “water hub” in our region
- ✓ Experience in the organization of IWA conferences
- ✓ Presence and active participation in all WRRmod seminars from 2008
- ✓ The full involvement of local researchers, stakeholders, and government agencies will help us to provide the best WRRmod conference possible

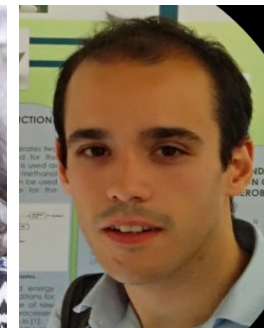
Why in Barcelona?





Core organizing committee

- Juan Antonio Baeza (UAB)
- Albert Guisasola (UAB)
- Ramon Vilanova (UAB, IFAC, IEEE)
- David Gabriel (UAB)
- Javier Lafuente (UAB Rector)
- Paloma Grau (Ceit-BRTA, UNAV)
- Eduardo Ayesa (Ceit-BRTA, UNAV)
- Beñat Elduayen (Ceit-BRTA, UNAV)
- Tamara Fernández (Ceit-BRTA, UNAV)
- Borja Hernández (Ceit-BRTA, UNAV)



Collaboration!

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UAB
Universitat Autònoma
de Barcelona



Universidad
de Navarra



+ 235 WORKERS

+350 PhDs

~100 PhDs

+400 Researchers

TRANSFERRED TO
INDUSTRY

149

QS World University
Rankings (QS WUR
2024)

UAB is leading Spanish
universities

183

THE World
University Rankings
(THE WUR 2023)

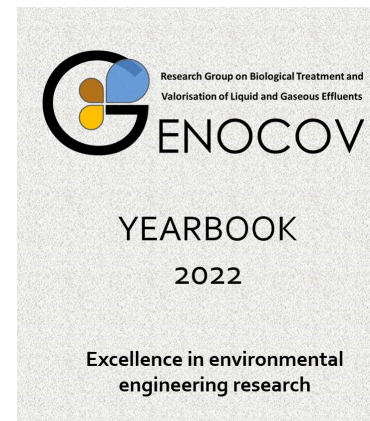
UAB ranks as 200 best
world universities

201-300

Academic Ranking
of World Universities
(ARWU 2022)

2nd best Spanish
university

www.genocov.com



143

Best Global
Universities 2023

UAB ranks World's 143
university

175

Round Universities
Ranking 2023

UAB ranks Spanish first
university

194

Scimago Institutions
Rankings (SIR 2023)

Second university in
Spain



+100

European Projects

Scientific contributions

+1300 indexed scientific contributions

+2000 International conference contributions

Spin-offs

+300 Jobs created

+200 million euros income

Why in Barcelona?

Barcelona is



1st

destination in the world by total number of participants in meetings hosted by international organisations.

Source: ICCA – International Congress and Convention Association / 2019 ranking



3rd

in the top 25 meeting destinations in Europe.

Source: Cvent, 2019



3rd

favourite destination for MICE meetings.

Source: American Express 2020 Global Meetings and Events Forecast.



6th

biggest start-up hub in Europe for emerging enterprises in 2021.

Source: EU-Startups



9th

best city in the world.

Source: 2021 World's Best Cities Ranking



10th

most attractive city for digital talent.

Source: Decoding Global Talent 2021



7th

most technological city of the future of Europe.

Source: fDi intelligence, Top Tech Cities of the Future 2021.



1st

festival and event destination in Europe.

Source: World Travel Awards 2020



1st

region for investment in Southern Europe in 2020-2021.

Source: Financial Times

**An
outward-looking
destination.
With excellent
travel connections
with the rest of
Spain, Europe and
the world, as well
as a safe and
efficient public
transport network.**



By air



An outward-looking destination.
Josep Tarradellas - El Prat airport
8 miles/12.5 km from the city centre
37 intercontinental destinations
125 European destinations
18.875.461 passengers

Source: AENA 2021

By rail



High-speed trains to **Madrid, Paris, Lyon, Marseille and Toulouse.**

By sea



The leading Mediterranean cruise port.
13 passenger terminals,
7 for cruise ships and 6 for ferries

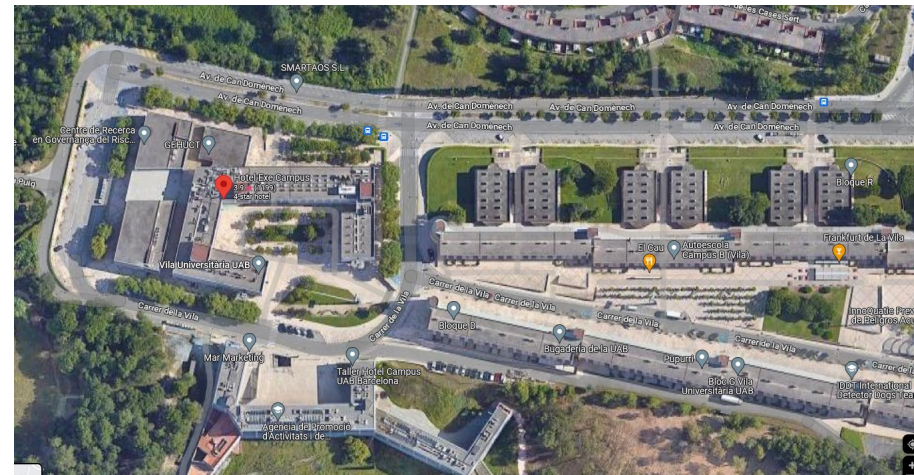
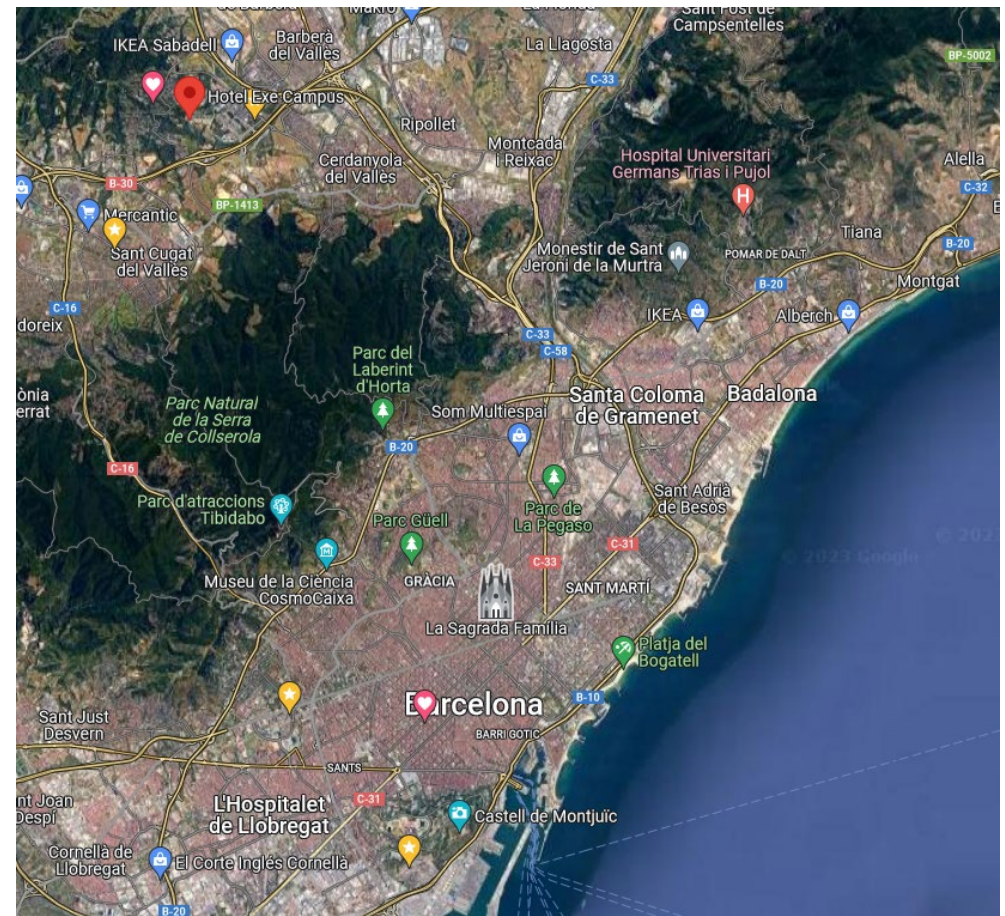
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Venue?

- **Option 1. UAB Campus. Hotel EXE Campus UAB ****** Located 25 minutes by train from the Barcelona City centre.

With plenary and parallel rooms with overflow capacity for attendees, free Wi-Fi, as well as spaces for commercial exhibitions and posters



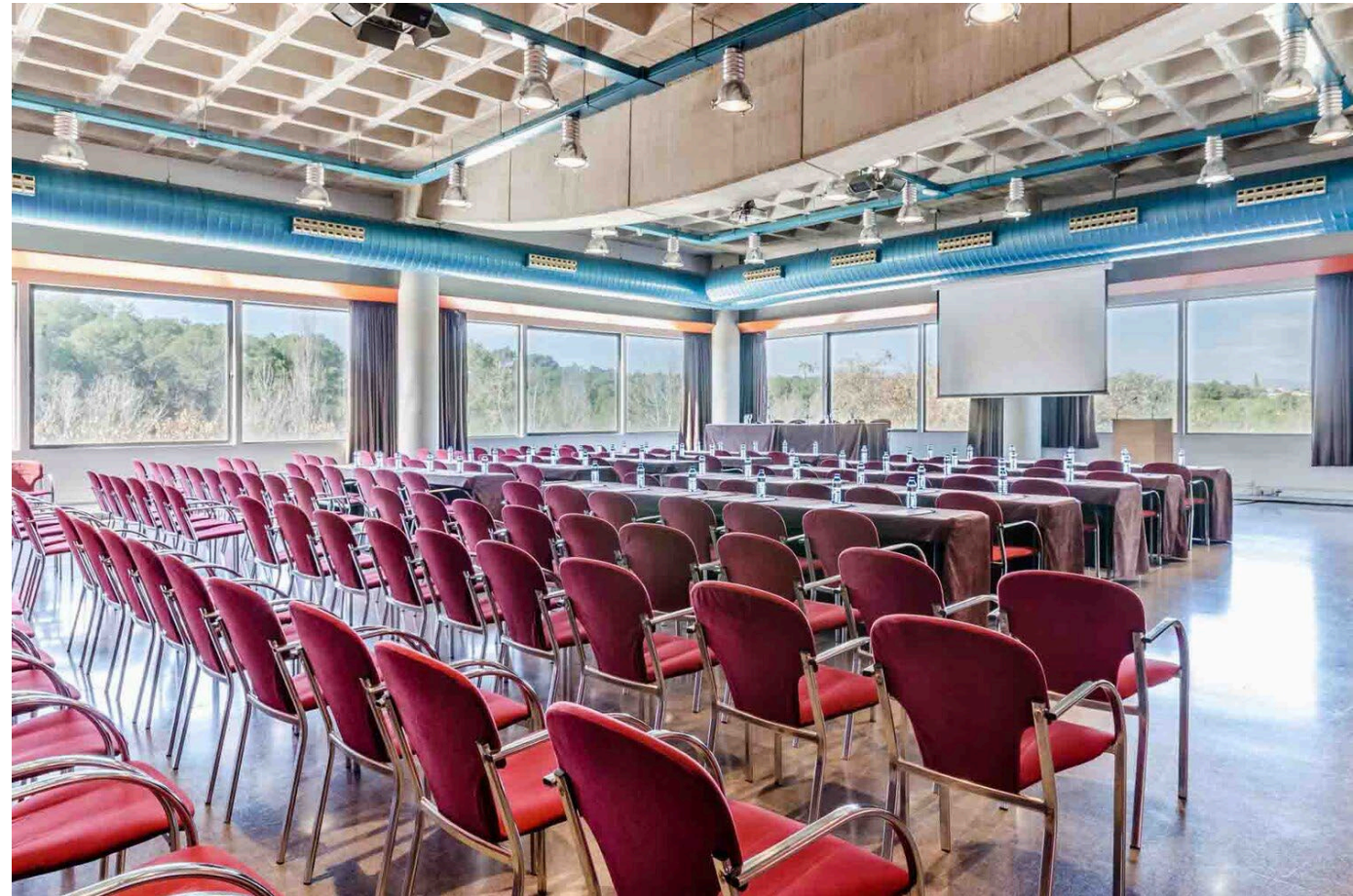
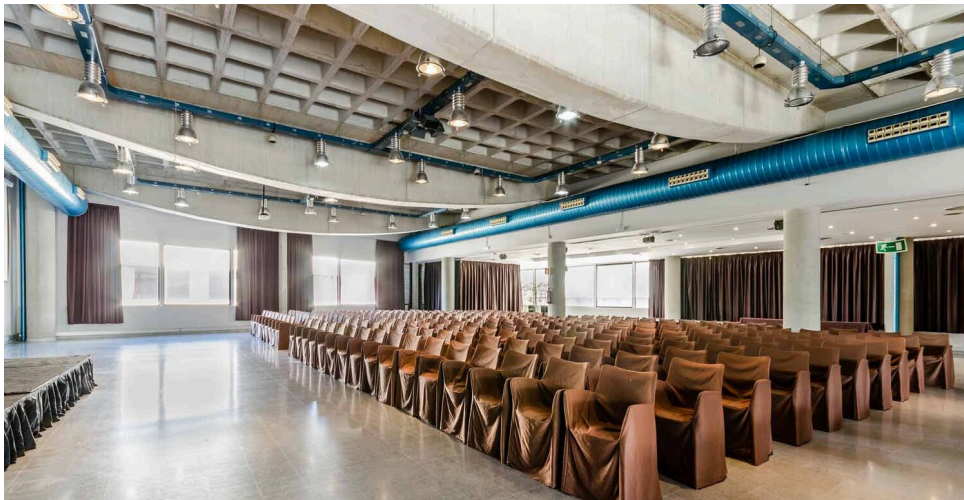
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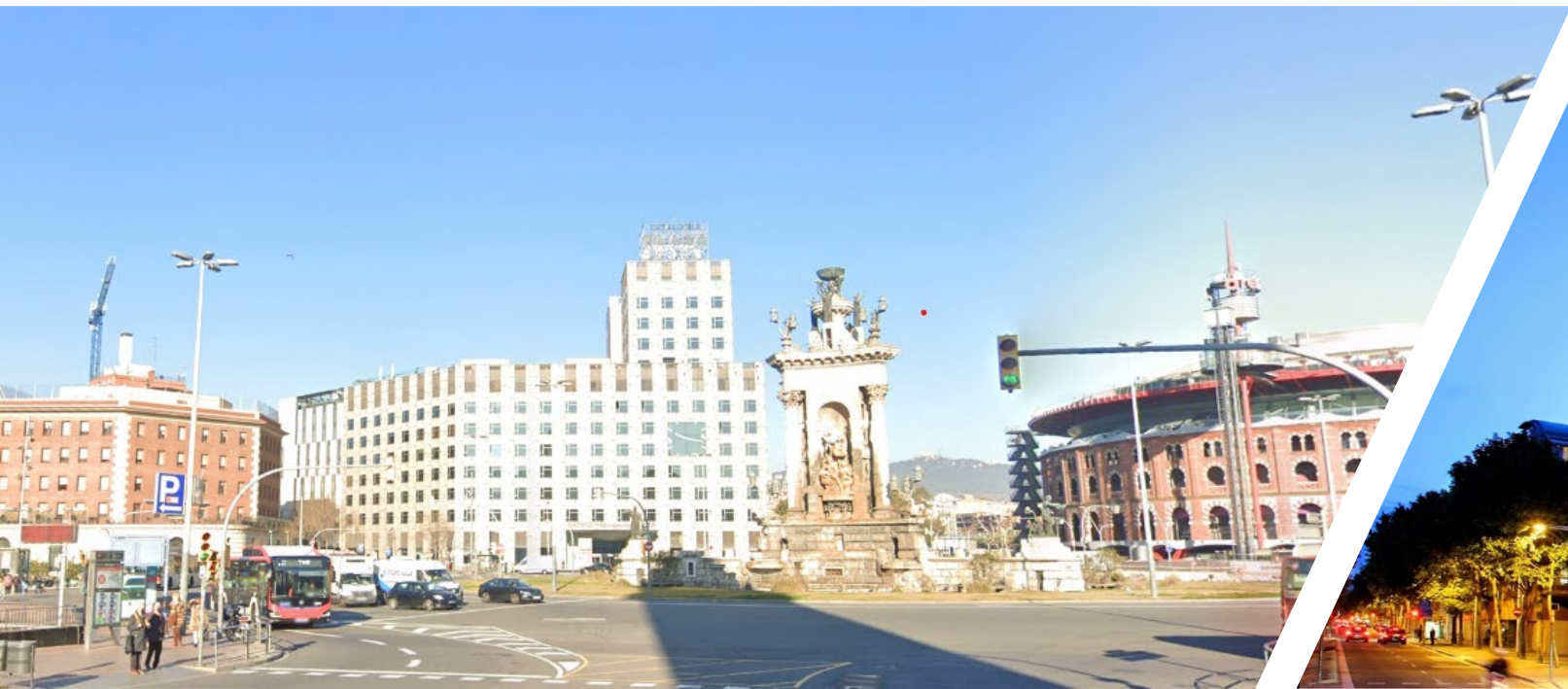
Venue?

- Other possible options:
- **Option 2.** Barcelona, beach zone. **Hotel SB ICARIA BARCELONA ****** Located seafront
- **Option 3.** Barcelona, city centre. **Hotel Catalonia Plaza ****** Located 20 min. from the airport and 15 min. from the train station.
- **Option 4.** Barcelona, city centre. **Barceló Hotel Sants ****** Located above the Sants train station. A main hub for all international arrivals. Rail connections to any point.



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The conference

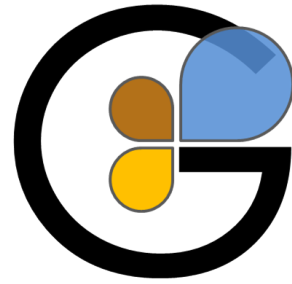
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- ✓ **The Conference Program will cover traditional but also emerging applications related to modelling:** plant-wide modelling, hybrid models, AI tools, modelling for decision support systems, connected models (applied modelling tools integrated in digital twins), modelling for control, standardized protocols for model-based plant design and upgrading, modelling of specific processes such as composting, gas treatment and sewers
- ✓ The conference will be organized with the traditional WRRmod conference setup of **single session** promoting discussion
- ✓ Attendance of water bodies, water utilities and companies will be highly promoted. A specific workshop of modelling tools in Spanish will be organized
- ✓ **Prizes** will be awarded to the **best poster, best presentation, and best transfer of technology**
- ✓ **Workshops for YWP** will be promoted
- ✓ We expect around **150 submissions** and a selection by the Program Committee of around 50 Platform and 50 Poster presentations
- ✓ We will also present **three high-level keynote lectures** with renowned experts in WRRmod about historic developments and future trends
- ✓ The scientific committee will integrate YWP and SWP
- ✓ It will be held in the summer (preferably, the second week of June), where average temperatures range from 16 to 26 °C and sunny weather is a virtual certainty
- ✓ Reduced fees will be available to low-income countries and to students to facilitate this worldwide presence

- Guided visit to the **WWTP of El Prat de Llobregat**, one of the biggest WWTPs in the world, treating 420 ML/d (**2 M PE**).
- Guided visit to the **sewer network of Barcelona**, including the **Joan Miró rainwater retention system**, which protects the city against possible floods.
- Guided tour to the **ALBA Synchrotron electron accelerator**. It is a 3rd generation facility located in Cerdanyola del Vallès, (just outside Barcelona), and is the newest in the Mediterranean area.
- Visit to the **Barcelona Supercomputing Center**-Centro Nacional de Supercomputación (BSC-CNS), the national supercomputing center in Spain, with MareNostrum, one of the most powerful supercomputers in Europe.

- Visit to the **Picasso Museum**: The most famous international museum in Barcelona.
- **City Tours**: Roman, Gothic, and Modernist Barcelona. Different walking routes to get to know the city and its art and architecture.
- Visit to the **Basilica of La Sagrada Familia**, a one-of-a-kind temple, for its origins, foundation and purpose. Fruit of the work of genius architect Antoni Gaudí.





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We look forward to personally meeting you soon, at WRRmod2026 Barcelona

Thanks!