DECOVALEX 2027

the **DE**velopment of **CO**upled models and their **VAL**idation against **EX**periments

WORKSHOP PROGRAMME

9–13 November 2026

Barcelona, Spain | Campus Nord, Universitat Politècnica de Catalunya (UPC)



WELCOME

Supporting Organizations

The DECOVALEX 2026 Workshop is supported by the following organizations:

ENRESA

CIMNE

International Centre for Numerical Methods in Engineering

UPC

Universitat Politècnica de Catalunya

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DATES

9–13 November 2026

VENUE

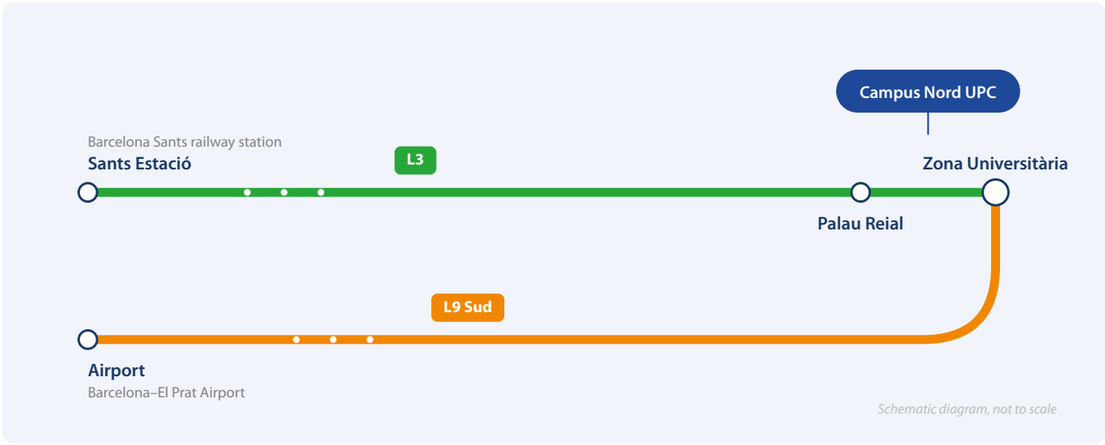
Campus Nord, Universitat Politècnica de Catalunya (UPC)

WEBSITE

https://decovalex_w2026.cimne.com/

PRACTICAL INFORMATION

Access to the Conference Venue



By Metro

The workshop venue is located at Campus Nord of the Universitat Politècnica de Catalunya (UPC), Barcelona. The nearest metro stations are Palau Reial and Zona Universitària, both served by Metro Line L3 (Green Line).

From Barcelona Airport

Barcelona-El Prat Airport is connected to the city by public transport. Metro Line L9 Sud provides a connection between the airport and Zona Universitària.

From Barcelona Sants Railway Station

Participants arriving at Barcelona Sants railway station can use the metro network and connect to Line L3 towards Palau Reial or Zona Universitària.

CAMPUS LOCATION

Campus Nord, Universitat Politècnica de Catalunya (UPC), Barcelona, Spain.

Conference Venue

These rooms at the **Universitat Politècnica de Catalunya (UPC)** have been selected to host this **Workshop DECOVALEX-2027**, providing versatile and well-equipped spaces for knowledge exchange, discussion, and collaboration.

Each room combines functionality, capacity, and technological resources, adapting to different academic session formats.

Below you will find the **Sala Multimèdia, Aula Màster, and Sala Polivalent**, with their main features and locations within the campus.





Aula Màster

The **Aula Màster** is a large classroom in **Building A3** at the Campus Nord.



Sala Polivalent

The **Sala Polivalent** (multipurpose room) is also in **Building A3** of the Campus Nord.



Sala Multimèdia

The **Sala Multimèdia** is located at the Campus Nord of the UPC, on Plaça de Telecos in **Building B3**.

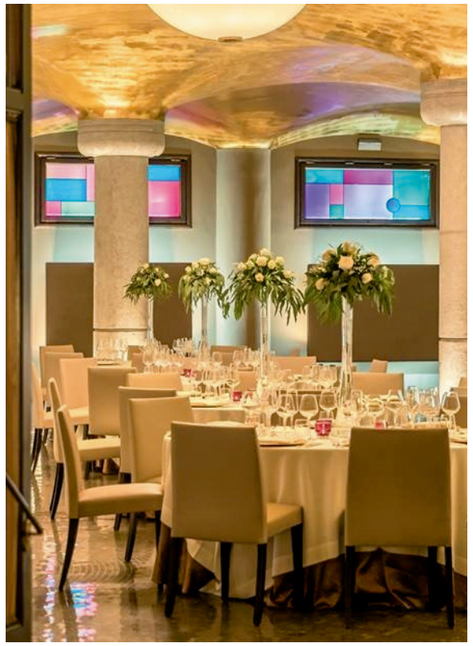
Social Programme

Tuesday, November 10th | 20:00–22:00

Venue: Hotel Casa Fuster

Passeig de Gràcia, 132 08008 Barcelona





Join us for the **Conference Dinner** at the iconic **Hotel Casa Fuster**, one of Barcelona's most emblematic modernist landmarks.

Located on the prestigious Passeig de Gràcia, Casa Fuster combines outstanding architecture, history and elegance, providing a unique setting for an evening of dining and networking.

The dinner will be an opportunity to **relax, connect with fellow participants and enjoy an unforgettable evening in one of Barcelona's most distinctive venues.**

We look forward to sharing this special evening with you.



SOCIAL PROGRAMME

Cultural Visit: Sagrada Família, Barcelona

The cultural visit will take place at the **Sagrada Família in Barcelona, on Friday 13th morning.** The visit will last approximately **1 hour and 30 minutes.**

A historic milestone in 2026
This year, 2026, marks the **centenary of Antoni Gaudí's death** and a particularly significant milestone in the history of the Sagrada Família. On February 2026, the **Tower of Jesus Christ**, the central and tallest tower of the Basilica, was culminated with the installation of the upper arm of its cross. The tower has reached its final height of **172.5 metres**, the highest point of the temple.

The three-dimensional cross that crowns the tower is 17 metres high and 13.5 metres wide. Its final piece, the upper arm, was installed in February 2026, completing the **exterior of the central tower**. Work on the interior of the tower will continue in the coming years.

This milestone coincides with the **100th anniversary of Gaudí's death**, making 2026 a particularly meaningful year to visit the Basilica and discover his architectural legacy. On June 2026, the Tower of Jesus Christ was officially blessed during a solemn ceremony commemorating the centenary of Gaudí's death and was illuminated for the first time.

The Sagrada Família is Antoni Gaudí's best-known work and has become an undisputed symbol of Barcelona. This unique modern temple has been under construction since 1882 and continues to evolve according to Gaudí's original vision.

The foundation stone of this colossal basilica was laid in 1882. Although the architect Francesc de Paula Villar was initially commissioned to carry out the Sagrada Família's project, a year later he was replaced by the young Gaudí, who devoted himself entirely to the task until his death in 1926. During his lifetime, Gaudí completed the crypt and the Nativity façade, which was later declared a UNESCO World Heritage Site. The surviving models and drawings have made it possible to continue the building work funded by private donations. Since December 8, 2021, the Tower of the Virgin Mary of the Basilica of the Sagrada Família has been crowned with a star that lights up every night, illuminating the Barcelona skyline.

PROGRAMME AT A GLANCE

Technical Programme Overview

Mon 9 Nov · DAY 1	Tue 10 Nov · DAY 2		Wed 11 Nov · DAY 3		Thu 12 Nov · DAY 4	Fri 13 Nov · DAY 5
Registration and Coffee 08:00–08:30						
D-2027 Welcome & Host Talk 08:30–09:30	SAFENET-2 08:30–09:40	HYMAR 08:30–09:40	PA (Salt) 08:30–09:40	FRESCIP 08:30–09:40	Plenary: All Tasks 08:30–09:30	Optional: Cultural Visit *Sagrada Família · approx. 1 h 30 min*
Task Intros (13+2) 09:30–10:45	Coffee Break 09:40–10:00	Coffee Break 09:40–10:00	Coffee Break 09:40–10:00	Coffee Break 09:40–10:00	Coffee Break 09:30–09:50	
	SAFENET-2 10:00–11:00	HYMAR 10:00–11:00	PA (Salt) 10:00–11:00	FRESCIP 10:00–11:00	Plenary: All Tasks 09:50–10:50	
Coffee Break 10:45–11:15	Break 11:00–11:20	Break 11:00–11:20	Break 11:00–11:20	Break 11:00–11:20	Break 10:50–11:10	
Task Intros (13+2) 11:15–12:30	SAFENET-2 11:20–12:30	HYMAR 11:20–12:30	PA (Salt) 11:20–12:30	FRESCIP 11:20–12:30	Plenary: All Tasks 11:10–12:30	
Lunch 12:30–13:30	Lunch 12:30–13:30		Lunch 12:30–13:30		Lunch 12:30–13:30	
ANALOG 13:30–14:40	BATS II 13:30–14:40	SAFENET-2 13:30–14:40	BaSISS 13:30–14:40	PA (Cryst.) 13:30–14:40	SANDWICH 13:30–14:40	Whole Project Meeting 13:30–14:30
Coffee Break 14:40–15:00	Coffee Break 14:40–15:00	Coffee Break 14:40–15:00	Coffee Break 14:40–15:00	Coffee Break 14:40–15:00	Coffee Break 14:40–15:00	D-2031 Planning Session 14:30–15:50
ANALOG 15:00–16:00	BATS II 15:00–16:40	SAFENET-2 15:00–15:50	BaSISS 15:00–15:50	PA (Cryst.) 15:00–16:00	SANDWICH 15:00–16:00	
Break 16:00–16:20			Break 15:50–16:10	Break 16:00–16:20	Break 16:00–16:20	Break 15:50–16:10
ANALOG 16:20–18:00			BaSISS 16:10–18:00	PA (Cryst.) 16:20–18:00	SANDWICH 16:20–18:00	D-2031 Planning Session 16:10–17:10
						Break 17:10–17:30
						D-2031 Planning Session 17:30–18:00
	Workshop Dinner Casa Fuster · 20:00–22:00					

TASKS

SAFENET-2 · HYMAR · BATS II · SANDWICH · BaSISS · FRESCIP · ANALOG · PA (Salt) · PA (Crystalline) · Whole project / plenary · D-2031 Planning Session

Where a day shows two columns, the tasks run as parallel streams: Stream 1 (Aula Màster) on the left, Stream 2 (Sala Multimèdia) on the right.

DAY 1 — Monday 9 November 2026

PLENARY · WHOLE PROJECT — Opening Session — Aula Màster

08:00	*Registration and Coffee*	
08:30	**DECOVALEX-2027 Overview**	Jens Birkholzer, DECOVALEX Chair
08:45	**Workshop Organisation**	Alex Bond, Technical Coordinator
08:55	**Guest Speaker**	Juan Carlos Mayor
09:10	**Guest Speaker**	Sebastià Olivella
09:30	**SANDWICH**	Larissa Friedenberg
09:45	**BaSISS**	Carlos Plua
10:00	**ANALOG**	Li Zhenze
10:15	**HYMAR**	Rob Cuss / Son Nguyen
10:30	**SAFENET-2**	Olaf Kolditz
10:45	*Coffee Break*	10:45–11:15
11:15	**PA (Salt)**	Jens Wolf
11:30	**PA (Crystalline)**	Paul Mariner and Rosie Leone
11:45	**BATS II**	Jan Thiedau
12:00	**FRESCIP**	Joel Geier
12:15	**Plenary / Discussion / Contingency**	
12:30	*Lunch*	12:30–13:30

STREAM 1 — ANALOG — Aula Màster

13:30	***Introduction***	Li Zhenze
13:40	**BGR/UFZ**	Falko Vehling
14:00	**SNL**	Carlos F. Jove-Colon
14:20	**KAERI**	Sanghoon Lee
14:40	*Coffee Break*	14:40–15:00
15:00	**LBNL**	Theresa Hennig
15:20	**NARI**	Kuan-Ying Hsieh
15:40	**COVRA**	Erika Neeft
16:00	*Break*	16:00–16:20
16:20	**Sinotech**	Suu-Yan Liang
16:40	*Contingency*	
17:00	**Discussion / Planning / Contingency**	

Close · 18:00

STREAM 2 — BATS II — Sala Multimèdia

13:30	***Introduction***	Jan Thiedau
13:40	**Discussion of TM-Benchmark results**	All
14:00	**LUH**	Feline Körner
14:20	**NWS/NNL/UoM**	TBD
14:40	*Coffee Break*	14:40–15:00
15:00	**COVRA**	Jeroen Bartol
15:20	**BGR**	Wenting Liu / Jan Thiedau
15:40	**Comparison of Bats2g results**	All
16:00	**Discussion / Planning / Contingency / Symposium**	

Close · 16:40

DAY 2 — Tuesday 10 November 2026

STREAM 1 — SAFENET-2 — Aula Màster

08:30	***Introduction***	Olaf & Task leads
08:40	**UFZ/BGR/RUB**	Mostafa Mollaali
09:00	**CAS**	Pengzhi Pan
09:20	**U Edinburgh**	Anas Sidamed
09:40	*Coffee Break*	09:40–10:00
10:00	**DynaFrax / KORAD**	Jeoung Seok Yoon
10:20	**CQU**	Li Zhuang
10:40	**KIGAM**	Jung-Wook Park
11:00	*Break*	11:00–11:20
11:20	**KAERI (online)**	Kwang-il Kim
11:40	**KAERI / SNU**	Sejin Kim
12:00	**TPC / NTU**	Chia-Wei Kuo
12:20	*Contingency*	
12:30	*Lunch*	12:30–13:30

STREAM 1 — SAFENET-2 (continued) — Aula Màster

13:30	***Restart***	Olaf Kolditz
13:40	**Synthesis / Discussion / Planning**	All
14:40	*Coffee Break*	14:40–15:00
15:00	**Synthesis / Discussion / Planning**	All

Close · 15:50

STREAM 2 — HYMAR — Sala Multimèdia

08:30	***Introduction***	Rob Cuss
08:40	**BGR**	E. Radeisen / H. Shao
09:00	**NWS/Quintessa**	N. Chittenden
09:20	**Andra/CIMNE-UPC**	S. Olivella and I.P. Damians
09:40	*Coffee Break*	09:40–10:00
10:00	**U. Ottawa**	S. Nguyen
10:20	**Andra/CIMNE-UPC**	Matías Alonso
10:40	**ENSI/ETH**	M. Nuss / A. Rinaldi
11:00	*Break*	11:00–11:20
11:20	**Synthesis / Discussion / Planning**	All
12:10	*Contingency*	

STREAM 2 — BaSISS — Sala Multimèdia

13:30	***Introduction***	Carlos Plua
13:40	**NWS/Quintessa**	Steven Benbow
14:00	**KAERI/KAERI**	Jung-Tae Kim
14:20	**Andra/EDF**	Sylvie Granet / Goustan Bacquaert
14:40	*Coffee Break*	14:40–15:00
15:00	**BGR**	Qianyun Wang / Jan Thiedau
15:10	**Andra/CIMNE-UPC**	Matías Alonso
15:30	**Andra/Amphos 21**	Andrés Idiart
15:50	*Break*	15:50–16:10
16:10	**Andra/Lamcube**	Zhan Yu
16:30	**Synthesis / Discussion / Planning**	All

Close · 18:00

20:00–22:00 — Workshop Dinner — Hotel Casa Fuster · Passeig de Gràcia, 132 · 08008 Barcelona

DAY 3

Wednesday
11 November 2026

STREAM 1 · PA (Salt) · Aula Màster

08:30	*Introduction*	Jens Wolf
08:40	BGR	Dirk Becker / Kim Mayer
09:00	BASE	Jens Eckel
09:20	COVRA	Jeroen Bartol
09:40	*Coffee Break*	09:40–10:00
10:00	Quintessa	Alex Bond / Josh Nicholas / Steven Benbow
10:20	Synthesis / Discussion / Planning	All
11:00	*Break*	11:00–11:20
11:20	*Contingency*	

STREAM 2 · FRESCIP · Sala Multimèdia

08:30	*Introduction*	Joel Geier
08:40	Dynafrax (KORAD)	Anne Strader (remote)
09:00	BASE	Sarah Perkams
09:20	CAS / WIRSM	Wenbo Wu (remote)
09:40	*Coffee Break*	09:40–10:00
10:00	SSM / UU	Chuanyin Jiang
10:20	TPC / NTU	Po-Kai Chen / Tai-Tien Wang / Chi-Wei Huang
10:40	Synthesis / Discussion / Planning	All
11:00	*Break*	11:00–11:20
11:20	Synthesis / Discussion / Planning	All
11:40	*Contingency*	

12:30	*Lunch*	12:30–13:30

STREAM 1 · PA (Crystalline) Main Group · Aula Màster

13:30	*Introduction*	Rosie Leone
13:40	SNL	Rosie Leone
13:50	NARI	Chieh-Chun Chang
14:00	KAERI	Hong Jang
14:10	BGR	Jan Thiedau
14:20	BGE Technology	Christian Müller / Uli Kelka
14:30	GRS	Anke Schneider
14:40	*Coffee Break*	14:40–15:00
15:00	SURAO	Ondrej Mikláš
15:10	Geofirma/NWMO	
15:20	Reference Case Discussion	All
16:00	*Break*	16:00–16:20
16:20	Reference Case Discussion	All
16:40	Stress Sub-Task	All
17:10	Synthesis	All
17:30	*Contingency*	

Close · 18:00

STREAM 2 · SANDWICH · Sala Multimèdia

13:30	*Introduction*	Larissa Friedenberg
13:40	KAERI	Taehyun Kim
14:00	KIGAM	Chan-Hee Park
14:20	Andra	Zhan Yu (remote)
14:40	*Coffee Break*	14:40–15:00
15:00	BGE/TU BAF	Sonja Kaiser (remote)
15:20	BGR	Qianyun Wang
15:40	BGR/IfG	Markus Knauth
16:00	*Break*	16:00–16:20
16:20	ENRESA/CIMNE	Matías Alonso
16:40	Synthesis / Discussion / Planning	All
17:30	*Contingency*	

Close · 18:00

DAY 4

Thursday
12 November 2026

PLENARY · WHOLE PROJECT · Plenary: All Tasks · Aula Màster

08:30	SANDWICH	Larissa Friedenberg
08:50	BaSISS	Carlos Plua
09:10	ANALOG	Li Zhenze
09:30	*Coffee Break*	09:30–09:50
09:50	HYMAR	Rob Cuss / Son Nguyen
10:10	SAFENET-2	Olaf Kolditz
10:30	PA (Salt)	Jens Wolf
10:50	*Break*	10:50–11:10
11:10	PA (Crystalline)	Paul, Rosie, and Jeffrey Hyman
11:30	BATS II	Jan Thiedau
11:50	FRESCIP	Joel Geier
12:10	Discussion / Closing Remarks / Contingency	All / Jens
12:30	*Lunch*	12:30–13:30
13:30	Whole Project Meeting (inc short break)	Jens and Alex

D-2031 PLANNING SESSION

14:30	*Introduction*	Jens
14:40	**A: SANDWICH-2**	Larissa
	B: FRESCIP-2	Joel
	C1: ANDRA Task 1	Gilles
	C2: ANDRA Task 2	Gilles
	D: EXTERRA	Jeoung Seouk
	E: Deep Borehole Proposal	Rick Jayne *
	K: PAST	Eike
15:50	*Break*	15:50–16:10
16:10	**G: BRIUG Task**	Ju Wang *
	H: Granulated Buffer Experiment	Radek Vasicek
	I: Low Permeability Task	Carlo
	F: Salt Task	Jan
	K: AI/ML	Son
	L: CAVIAR	Thomas
17:10	*Break*	17:10–17:30
17:30	Discussion, interest and planned way forward	Jens

Close · 18:00

DECOVALEX 2027

CONFERENCE SECRETARIAT

CIMNE Congress Bureau

Campus Nord UPC
Building C1, Office C4
Gran Capità s/n
08034 Barcelona, Spain

Telephone: +34 93 405 4696
Email: secretaria@cimne.upc.edu
Financial matters: financialsupport@cimne.upc.edu
Website: https://decovalex_w2026.cimne.com/

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SUPPORTING ORGANIZATIONS

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