SUSTAINABLE PLACES 2022

Sep. 6 - Sep. 9, 2022 | Nice, France

www.sustainableplaces.eu

Agenda

©Photo Ville de Nice

Welcome from the **Organisers**

SUSTAINABLE PLACES 2022

On behalf of the organizers, partners, supporting entities and sponsoring organizations, welcome to France, to the City of Nice, to our partners nearby in Monaco and most of all welcome to Sustainable Places 2022. This 10th edition "Celebrating a decade of Sustainability" is once again, a signature event providing the opportunity for networking, project clustering, the dissemination of scientific results and discussions for new collaborations.

The assembled program is rich in opportunities to deepen one's knowledge in sustainability topics. We encourage you to fully discover the event coupling local area initiatives, presentations from the European Commission and results from approximately 150 European research projects. The sessions "Innovate with France" and "Innovate with Monaco" offer a view into two exciting municipalities, Nice and Monaco where urban area energy and sustainability transitions are in full focus. It is also a nice moment in that Monaco has recently signed the convention to participate in European Research and we look forward to hearing from and welcome the Monaco-based organizations joining the event.

Our social program will take us to the beach, to a social dinner at the Negresco, on a walking tour and to a visit of the IMREDD Smart City Innovation Center. We hope you enjoy.

We are grateful to our hosts at the C.U.M. and IAE. The locations and facilities are excellent and their help in organizing has been perfect. We also acknowledge the generous support of our sponsors – please take a moment to learn about their innovative contributions and sustainability.

Lastly, we hope to inspire you by hosting you in the wonderful city of Nice with the esteemed set of participants assembled. We wish you a great event and look forward to the discussions ahead toward a better and more sustainable built environment.

Thomas Messervey - CEO R2M Solution

Table of **Contents**

SUSTAINABLE PLACES 2022

Welcome from the organisers 1

Table of Contents 2

Supporters of Sustainable Places 3

Participating projects 4

Key Locations 5

Venue I: Sep. 6-7: Centre Universitaire Méditerranéen (C.U.M.) 6

Venue II: Sep. 8-9: Université Côte d'Azur (I.A.E. Ecole Universitaire de Management) 8

Agenda Preview 11

Detailed Agenda 15

Keynote speakers 29

Pitching sessions 35

Sponsors brief 40

SP2023 location announcement 44

Supporters of **Sustainable Places 2022**

Organised by

R2M Research to Market Solution

Métropole Nice Côte d'Azur

iae nice Graduate School of Management | Université Côte d'Azur

Ville de Nice

With the support of Blue sponsors

IES

Brainbox AI

Silver sponsors

CCI Nice Côte d'Azur

Enoleo Énergie

Building Digital Twin Association

In partnership with

Team Côte d'Azur — Succeed in Côte d'Azur

Open Research Europe

Sustainable Energy Week

BUILD UP — The European Portal For Energy Efficiency In Buildings

REVOLVE

Europe Direct Nice Côte d'Azur

Participating **projects**

SUSTAINABLE PLACES 2022

Key **Locations**

> **IMREDD**
9 rue Julien Lauprêtre,
06200 NICE

> Nice Côte d'Azur **Airport**
Rue Costes et Bellonte,
06206 NICE

> **OKKO** HOTELS Nice Aéroport
147 Bd René Cassin,
06200 NICE

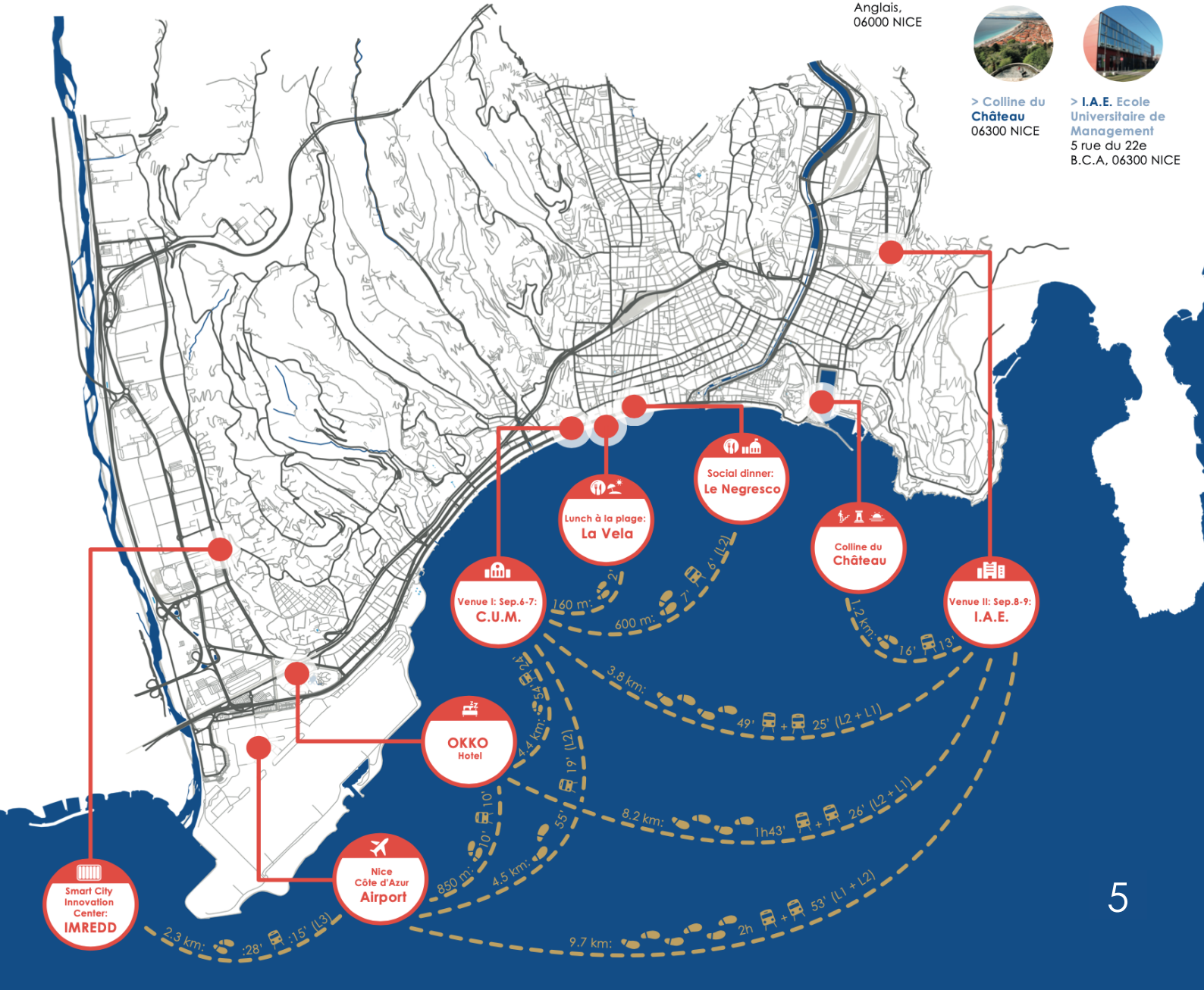
> Centre Universitaire Méditerranéen - **C.U.M.**
65 Prom. des Anglais,
06000 NICE

> **La Vela**
58 Prom. des Anglais,
06000 NICE

> **Le Negresco**
37 Prom. des Anglais,
06000 NICE

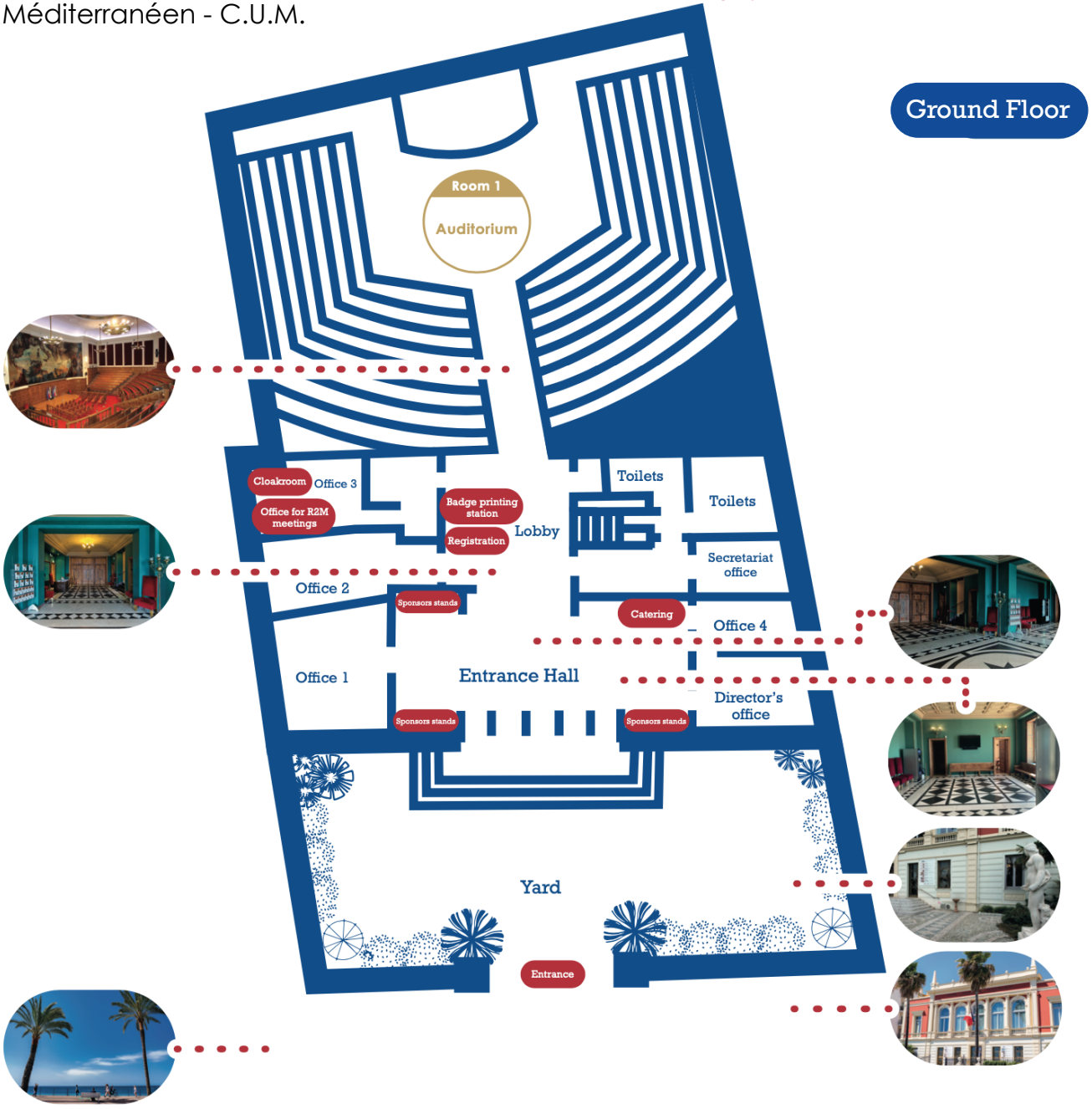
> Colline du **Château**
06300 NICE

> **I.A.E.** Ecole Universitaire de Management
5 rue du 22e B.C.A, 06300 NICE



Venue I:

Sep 6-7: Centre Universitaire Méditerranéen - C.U.M.



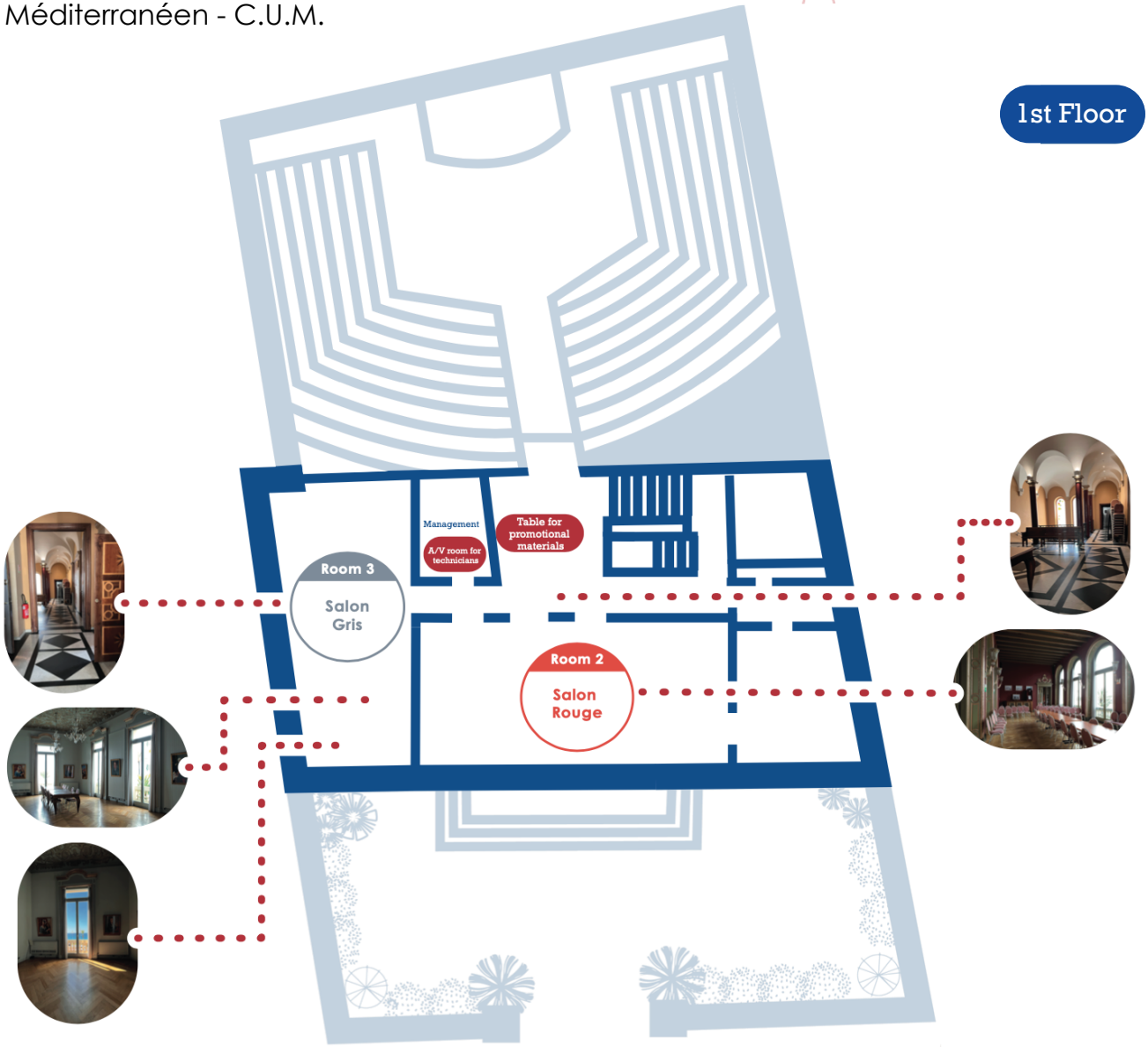
Venue I:

Sep 6-7: Centre Universitaire Méditerranéen - C.U.M.

SUSTAINABLE PLACES 2022

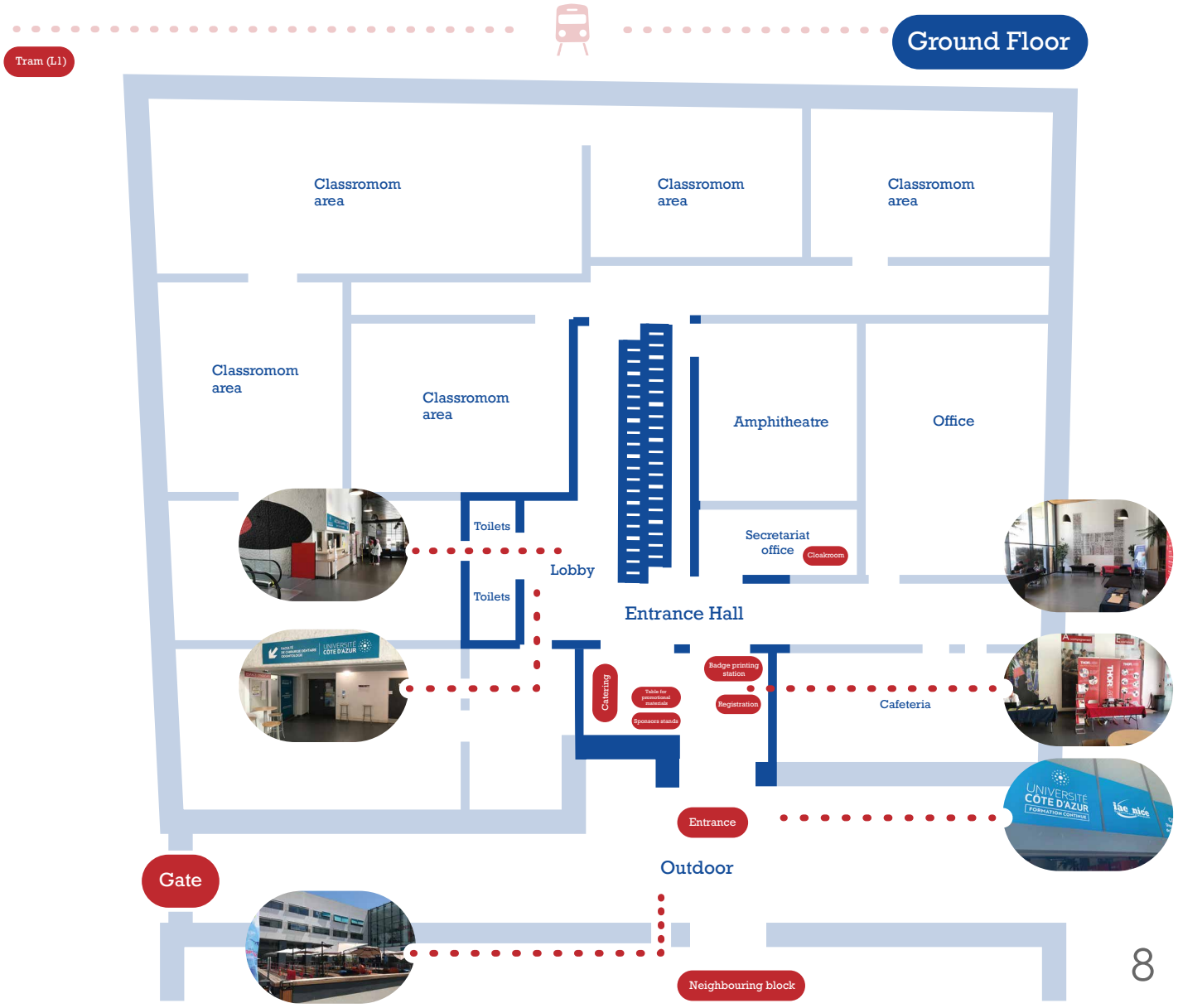
Tram (L2)

1st Floor



Venue II:

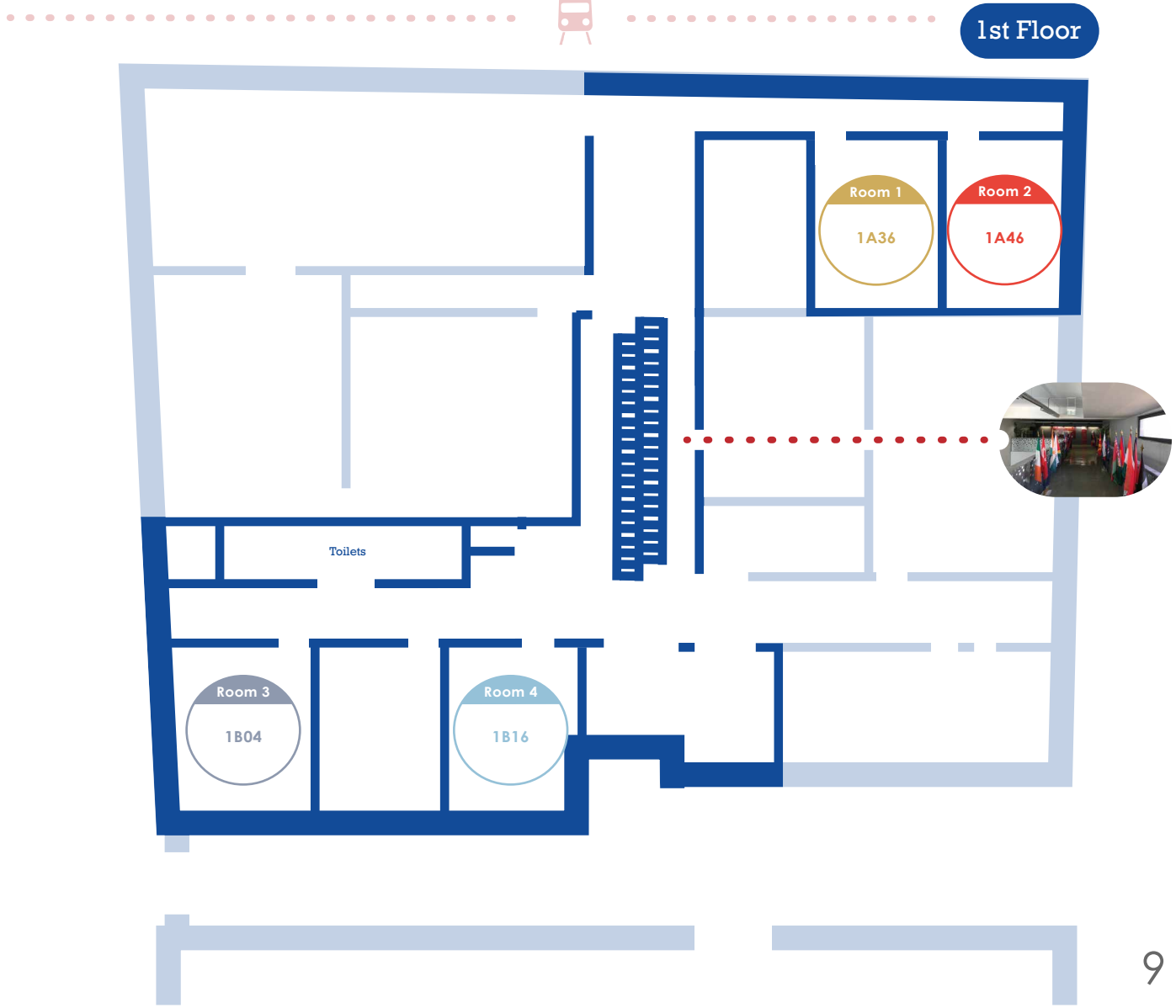
Sep 8-9: Université Côte d'Azur
(I.A.E. Ecole Universitaire de Management)



Venue II:

Sep 8-9: Université Côte d'Azur
(I.A.E. Ecole Universitaire de Management)

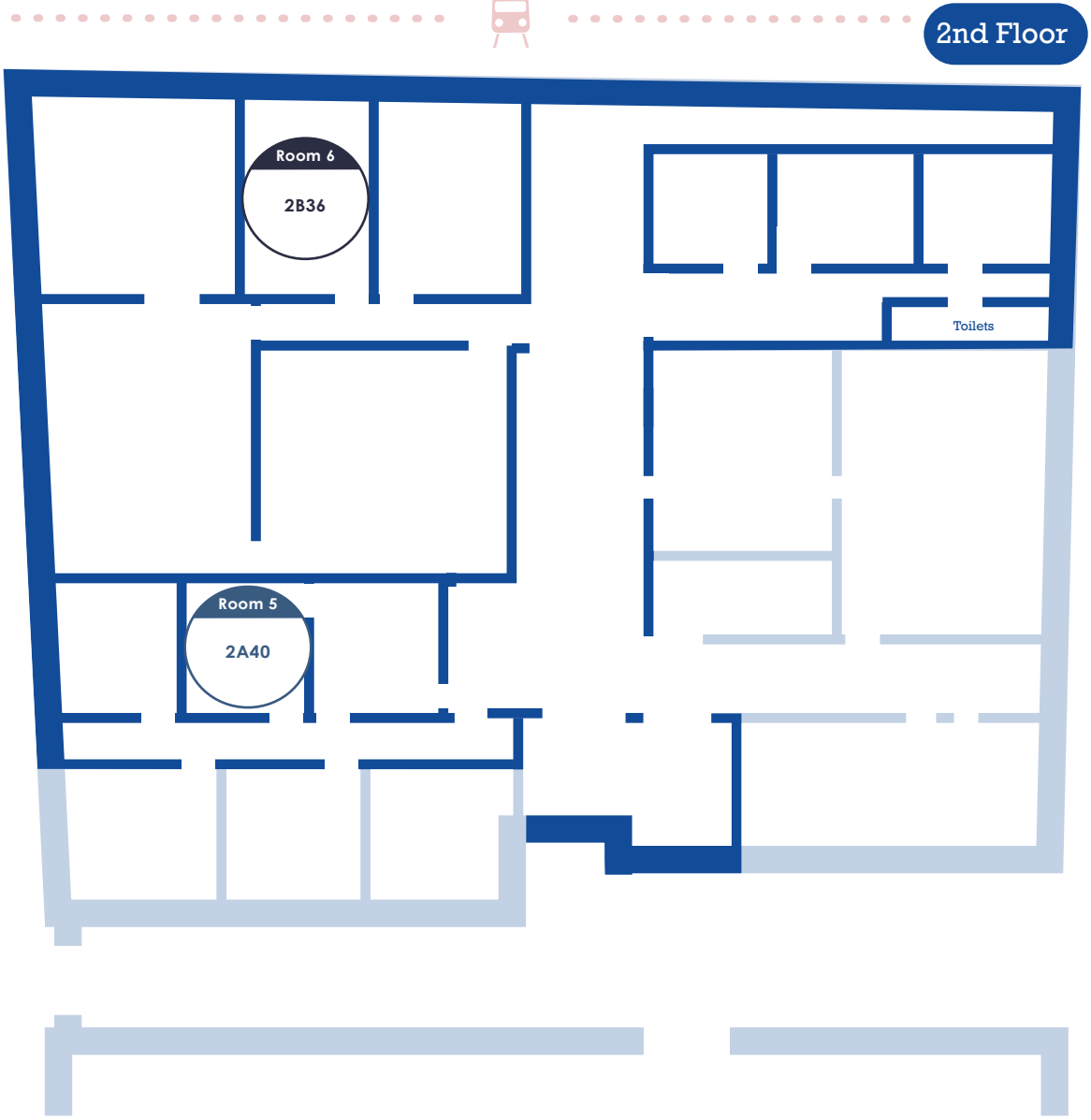
SUSTAINABLE PLACES 2022



Venue II:

Sep 8-9: Université Côte d'Azur
(I.A.E. Ecole Universitaire de Management)

SUSTAINABLE PLACES 2022



Agenda Preview
Day 1

Tuesday, 6 September
Centre Universitaire Méditerranéen (C.U.M.)

SUSTAINABLE PLACES 2022

09.00 (CEST)

09.00
12.00
Potential pre-event private meetings

Registration & welcome coffee 13.00 13.45

13.45 (CEST)

Room 1
Auditorium

Plenary Opening 13.45 15.40
Innovate with France

Break 15.40

EU Info Day 15.50 17.00

Welcome cocktail 17.00 18.00

Agenda Preview
Day 2

Wednesday, 7 September
Centre Universitaire Méditerranéen (C.U.M.)

SUSTAINABLE PLACES 2022

08.30 (CEST)

Room 1	Room 2	Room 3	Room 4
Auditorium	Salon Rouge	Salon Gris	Virtual

- **Workshop** 08.30 10.00 — RHC for Buildings and Industry 3.0 | 1
- **Workshop** 08.30 10.00 — BIM-SPEED Final Project Insights
- **Workshop** 08.30 10.00 — AI and Ethics in Manufacturing | 1
- **Workshop** 08.30 10.00 — Smart Meter Rollup

Coffee break 10.15

- **Workshop** 10.15 11.45 — RHC for Buildings and Industry 3.0 | 2
- **Workshop** 10.15 11.45 — Digitalization of the Building Sector
- **Workshop** 10.15 11.45 — AI and Ethics in Manufacturing | 2

Buffet Lunch | À la plage: La Vela 11.45 13.30

Plenary Session 13.30 14.40

Innovate with Monaco

Break 14.45

- **Workshop** 14.45 16.15 — Measuring Building Performance | 1
- **Workshop** 14.45 16.15 — Ontologies in Digital Twin | 1
- **Workshop** 14.45 16.15 — Open Innovation Test Beds (OITBs) | 1
- **Workshop** 14.45 16.15 — Deep Renovation

Coffee break 16.30

- **Workshop** 16.30 18.00 — Measuring Building Performance | 2
- **Workshop** 16.30 18.00 — Ontologies in Digital Twin | 2
- **Workshop** 16.30 18.00 — Open Innovation Test Beds (OITBs) | 2 (Private)

Social Dinner | Le Negresco 19.00 22.00

Agenda Preview
Day 3

Thursday, 8 September

Université Côte d'Azur (I.A.E. Ecole Universitaire de Management) - Campus Saint-Jean d'Angély

SUSTAINABLE PLACES 2022

09.00 (CEST)

Room 1	Room 2	Room 3	Room 4	Room 5	Room 6
1A36	1A46	1B04	1B16	2A40	2B36
Workshop 09.00 10.30 Upgrading Smart Buildings | 1	Workshop 09.00 10.30 Simulation for Building Digital Twins	Workshop 09.00 10.30 Energy Citizenship: Must or myth? | 1	Workshop 09.00 10.30 Off-site Plug-and-Play Prefab Systems | 1	Workshop 09.00 10.30 Fostering DR User Engagement	Workshop 09.00 10.30 Service Integration & Smart Contracting
Coffee break 10.45					
Workshop 10.45 12.15 Upgrading Smart Buildings | 2	Workshop 10.45 12.15 Building DT Trustworthiness	Workshop 10.45 12.15 Energy Citizenship: Must or myth? | 2	Workshop 10.45 12.15 Off-site Plug-and-Play Prefab Systems | 2	Paper 10.45 12.15 Grids & DR	
Networking Buffet Lunch | I.A.E. 12.15 14.00					
Paper 14.00 15.30 Smart Buildings	Workshop 14.00 15.30 Cultural Heritage | 1	Workshop 14.00 15.30 Citizen Energy Communities		Paper 14.00 15.30 User Engagement	Workshop 14.00 15.30 Low-TRL Renewable Technologies 2.0 | 1
Coffee break 15.30 16.00					
Workshop 16.00 17.30 Sector Coupling	Workshop 16.00 17.30 Cultural Heritage | 2	Paper 16.00 17.30 Energy Communities	Workshop 16.00 17.30 Supporting Cities' Energy Transition	Paper 16.00 17.30 Sustainable Construction	Workshop 16.00 17.30 Low-TRL Renewable Technologies 2.0 | 2
Evening Walk | Colline du Château 17.30 19.00					

Agenda Preview
Day 4

Friday, 9 September

Université Côte d'Azur (I.A.E. Ecole Universitaire de Management) - Campus Saint-Jean d'Angély

SUSTAINABLE PLACES 2022

09.00 (CEST)

Room 1	Room 2	Room 3	Room 4	Room 5	Room 6
1A36	1A46	1B04	1B16	2A40	2B36
Workshop 09.00 10.30 Energy Skills in Construction 3.0 | 1	Paper 09.00 10.30 Urban Transformation | 1	Workshop 09.00 10.30 Innovative EE Financing | 1	Workshop 09.00 10.30 European Islands Energy Transition | 1	Paper 09.00 10.30 Renewables | 1	Paper 09.00 10.30 AI & Digitalization | 1

Coffee break 11.00

Workshop 11.00 12.30 Energy Skills in Construction 3.0 | 2	Paper 11.00 12.30 Urban Transformation | 2	Workshop 11.00 12.30 Innovative EE Financing | 2	Workshop 11.00 12.30 European Islands Energy Transition | 2	Paper 11.00 12.30 Renewables | 2	Paper 11.00 12.30 AI & Digitalization | 2

Closing & Farewell Lunch | On-site or take away 12.15 14.00

IMREDD Smart City Innovation Center | Registration Required 14.00 17.00

Room 1

Auditorium

14.00 - 17.00

Plenary Opening: Innovate with France and Infoday – (hybrid)

The opening plenary of Sustainable Places 2022 will be an invitation to innovate for sustainability with France, its Region Sud, and Nice Côte d'Azur. With keynotes from the European Commission, the French Ministry of Sustainable Development, the Mayor of Nice as well regional industrial innovation clusters, this session will include an Info Day to present a relevant selection of upcoming EU funding opportunities through Horizon Europe and LIFE calls. The event will be followed by a networking and welcome cocktail allowing the international Sustainable Places community to connect and create Research and Market opportunities with this vibrant French sustainability and cleantech ecosystem.

08.30 - 11.45

Room 1
Auditorium

***"Renewable Heating and Cooling for Buildings and Industry Workshop 3rd Edition"* – workshop** (hybrid)

This workshop is a continuation of the two previous RHC for Buildings and Industry Workshop at SP2020 and SP2021. Focused on the same topic which brought together a selection of H2020 EU-funded projects involving experts from the biomass, geothermal, solar thermal and heat pump sectors to discuss a common strategy for increasing the use of renewable energy technologies for heating and cooling for buildings and industry. Projects are again invited to pitch their progress and achievements to date. Interactive discussion slots will allow for opportunities to identify possible synergies, cooperation on horizontal issues or potential joint dissemination activities to maximise expected impacts.

08.30 - 10.00

Room 2
Salon Rouge

***"BIM-SPEED - Final Project Insights"* – workshop** (hybrid)

The mission of BIM-SPEED was to take 'BIM for renovation' to a deep renovation level for at least 60% energy saving, and to accelerate the market uptake across the EU. Within the workshop we will present the final project results with a focus on the BIMSpeed platform, innovative tools to accelerate renovation, the BIM-Speed standardized use cases, the BIMSpeed ontologies, and examples from demonstration projects that illustrates the utility of implementing BIM to support renovations. During the workshop we will also announce and honor the winners of the BIM-Speed competition.

08.30 - 11.45

Room 3
Salon Gris

"AI and Ethics in manufacturing: how AI can be accepted by humans in manufacturing" – workshop (hybrid)

Artificial Intelligence (AI) is entering many different sectors, not last the manufacturing one. Due to the need of collecting large quantity of data and to the powerful outcomes that can be generated, AI can affect not only processes and products, but also how persons work and interact each other. Furthermore, AI could acquire sensible data but also influence people's behaviour by implemeting logics and decisional processes that are not fully transparents to people. These aspects are generating debates and requests for regulations, code of conducts, standards and, more in general, trustworthiness request for any AI-driven service. Scope of the workshop is to share experience from developers, end users, standardisation, and legal experts.

08.30 - 10.00

Room 4
Virtual

***"Smart Meter Rollup: Learnings from across the EU"* – workshop** (online)

This workshop will aim to promote and disseminate learnings about the pros and cons of various approaches to rolling out smart meters across the EU, taking Spain, Bulgaria, and the UK as case studies. The objective of this dissemination is to provide cross-border insight to policymakers who may be operating in national "silos", with the final desired outcome of

improving the effectiveness of smart metering across Europe, particularly where metering has not yet been rolled-out en masse. The output of the workshop will result in a set of policy recommendations, addressing the needs and barriers from a cross-national perspective.

10.15 - 11.45

Room 2 – Salon Rouge

***"Digitalization of the Building Sector: A Key Enabler for the Renovation Wave"* – workshop** (hybrid)

During the workshop, digital construction experts and representatives of four different EU-funded projects focusing on the application of BIM and circular methods to energy-efficient renovations will discuss the ever-present topic of digitisation of the construction sector. Each project will offer a testimony of the high potential of digitisation to achieve the goals set by the EU Renovation Wave. The workshop will be closed by a round table discussion on current trends and future perspectives of digitisation in energy-efficient renovations as well as the main concrete benefits of using digital tools in renovation processes and how BIM can have an impact not only on large companies, but also on construction SMEs, which are the main players in the renovation market.

13.30 - 14.40

Room 1 – Auditorium

***Plenary Session: Innovate with Monaco* –** (hybrid)

As a destination committed to sustainable development for decades, the Principality of Monaco has pursued a strong policy on sustainability related issues both nationally and internationally. This "Innovate with Monaco" session will highlight the long-term commitment of the Principality to help meet the Sustainable Development Goals, invite a selection of Monegasque SMEs to pitch their sustainable innovations and showcase progress from digital twin and artificial intelligence SMEs acting on urban scale challenges similar to Monaco.

14.45 - 16.15

Room 4 – Virtual

***"Integrating tried-and-tested solutions for deep renovation of the EU building stock"* – workshop** (online)

Complex problems call for innovative, holistic solutions. Improving energy efficiency of European buildings requires interventions across the whole value chain, and the mobilisation of all sectors –government, private enterprises, research/academia and civic society. Technical solutions and best practices are already available. The workshop aims to highlight the common and complementary insights and solutions contributed by the four projects, effectively and reliably leading to high performance, deep renovations. A high degree of interactivity is foreseen, with the audience being able to set questions in advance and during the live event.

14.45 - 18.00

Room 2
Salon Rouge

***"Ontologies in Digital Twin: Methodology, lessons learned and practical approach"* – workshop** (hybrid)

This workshop gathers EU-funded projects which develop a construction-phase digital-twin data model, and their ontological representation, capable of capturing all data requirements for the digital representation of building and/or infrastructure construction sites. Each project representative will share the knowledge and experience regarding the main topic, presenting lessons learned and recent results relevant to each project phase.

14.45 - 18.00

Room 3
Salon Gris

***"EU Construction Open Innovation Test Beds as drivers for SME product development"* – workshop** (hybrid)

Open Innovation Test Bed (OITBs) are clusters of laboratories, testing infrastructure and innovation service providers that work collectively under a single-entry point to facilitate SMEs in the development, TRL advancement and commercial scale up of innovation products and technologies. This workshop will bring together three OITBs funded under the Horizon call topic: DT-NMBP-05-2020 - Open Innovation Test Beds for materials for building envelopes collectively representing €45 million euro of R&D funding. Each project is creating an ecosystem to drive sustainability, innovation and SME competitiveness.

14.45 - 18.00

Room 1
Auditorium

***"Measuring Building Performance and Operational Rating"* – workshop** (hybrid)

The goal of this workshop is to ensure an open co-creation process maximizing quality, relevance, utility, and effectiveness while avoiding reinventing the wheel and ensure a coordinated and convergent approach. Such an approach would greatly support the digital transformation of the EU's building stock which in turn will enable and facilitate to arrive by 2050 at healthy, safe, efficient, flexible, and zero-emission buildings for the people. The main expected outcome is to leverage to the benefit of EU's climate and energy goals the ongoing coordination, support, and innovation actions in the next steps of the EPBD's revision and its subsequent transposition, implementation and monitoring and the way the package of policy instruments will be meaningfully weaved together.

Room 1
1A36

09.00 - 12.15

***"Innovations for upgrading smartness of buildings"* – workshop** (hybrid)

This workshop will first propose a status update on the testing and implementation of the SRI indicator across Europe, with an outline of the supporting framework and activities provided by the SmartBuilt4EU project. This will then be followed by presentations from several EU-supported Innovation projects (Auto-DAN, Smart2B, COLLECTiEF, PRECEPT, SATO and iBECOME) which will pitch the value proposition of their expected smart buildings innovations and associated impacts.

Room 2
1A46

09.00 - 10.30

***"Simulation for real-time/AI enabled by Building Digital Twin Environments"* – workshop** (hybrid)

The Simulation workgroup of the Building Digital Twin Association (BDTA) is promoting several simulation standards and SIMBOTS to be used in building digital twins. These standards are needed to get better interoperability between software platforms and to reduce the cost of the implementation. Mathematical Simulation is oriented to real-time and software in the loop, but it can be used for all the phases of the building: design, commissioning or life cycle exploitation. A presentation of a previous workshop at BDTIC2022 can be found here: https://youtu.be/Z6LVrWMNVvw. BDTA is looking for partners to implement and support future standards.

Room 3
1B04

09.00 - 12.15

***"Energy citizenship: Must or myth? The impact of citizen participation on local energy systems"* – workshop** (hybrid)

The workshop aims at presenting and discussing the methods, strategies and expected impacts for citizen engagement applied in seven different research and innovation projects about Positive Energy Districts. The workshop presents the different citizen engagement frameworks, models and strategies, their impact and lessons learned, and explores how important citizen engagement really is for the success of new energy concepts. Also discussed will be the question of how to assess and compare the impact of citizen engagement strategies across projects.

Room 4
1B16

09.00 - 12.15

***"Off-site 'Plug-and-Play' prefabricated opaque and transparent multifunctional envelop systems: Lessons learnt and Visions"* – workshop** (hybrid)

The six projects that take part in the workshop develop such hybrid Plug-and-Play systems. They come together to exchange experiences and map the technological challenges for the adoption of the developed technologies.

The Workshop is structured around three topics: a) Overview of the technological developments achieved in each project; b) based on the project developments group active-passive-hybrid technologies in terms of their technical characteristics; c) use the technology mapping to assess the technology potential to contribute towards NZEB and positive energy targets.

Room 5
2A40

09.00 - 10.30

***"Fostering user engagement for innovative demand response for effective flexibility"* – workshop** (hybrid)

The workshop deals with user research and engagement as the key driver for innovation of digital & technology-based demand response solutions, with the aim to frame a good user experience and an effective energy & flexibility performance, which will help customers engage more in new energy services. The workshop will offer an overview on experiences from user engagement activities at the pilot sites of the 5 sister projects and will focus on knowledge exchange to improve implemented strategies, tools, and platforms. The workshop will offer a unique opportunity for sharing findings and results when implementing the project activities at the corresponding pilot sites.

09.00 - 10.30

Room 6
2B36

***"Service integration, financing and smart contracting in the energy transition mechanisms"* – workshop** (hybrid)

This workshop will talk about the following topics: integration of services in smart grids, CECs & Commercial sites; financing and contracting of those services; and methodologies to perform those integrations.

10.45 - 12.15

Room 2
1A46

***"Privacy Metrics Tool for Building Digital Twins Trustworthiness"* – workshop** (hybrid)

This workshop is oriented to explain the PRIVACY METRIC TOOL developed under the SPHERE project for home monitoring and AI advanced control based on mathematical models. This tool was presented at BDTIC2022 in Barcelona in June, and will be one of the standards presented at CEN442 WG9 during this year. This tool would provide an objective evaluation of the level of privacy, and it could be used whether as a mandatory standard in the future or as a design tool for developers and manufacturers of sensors and home devices. A video presentation of BDTIC can be found in this link: https://youtu.be/phnj7QYpTUE. Future works and development of this standard proposal will be supported by DIGICHECKS H2020 project (GA 101058541).

10.45 - 12.15

Room 5
2A40

***"Grids and Demand Response"* – paper session** (hybrid)

- "Hybrid AC/DC architecture in the CEDER-CIEMAT microgrid. Demonstration of TIGON project" (Paula Peña-Carro and Oscar Izquierdo-Monge, CIEMAT)
- "Potential 5G Solutions for TSO Grid Observability and Manageability of Massive RES Penetration Environment in the Smart5Grid Context" (Daniel Shangov and Krasimir Vlachkov, ESO EAD)
- "Measuring the gap: a statistical approach for online evaluation and forecasting of human participation in Demand Response programmes" (Tracey Crosbie and Michael Short, Teesside University)
- "Configuring the user in the design and testing of demand response: Implications for user engagement with smart grid solutions" (Dana Abi Ghanem and Mina Najafi, Teesside University)

14.00 - 15.30

Room 1
1A36

***"Smart Buildings"* – paper session** (hybrid)

- "A better way to build and commission smart buildings" (Elizabeth Nelson, Smart Building Certification)
- "domOS: an "Operating System for Smart Buildings" (Dominique Gabioud, University of Applied Sciences Western Switzerland)
- "Semantic Interoperability Framework – enabling cross-sector services in smart buildings" (David Rua and Fábio Coelho, INESC TEC; Laura Daniele, TNO)
- "Refinancing of Czech Energy Performance Contracting projects: a best practice example to support energy efficiency services market" (Jana Szomolanyiova, SEVEn - The Energy Efficiency Center)

14.00 - 17.30

Room 2
1A46

***"Bridging the Gap – Offering innovative Education for Experts in Cultural Heritage of the European Union"* – workshop** (hybrid)

Cultural Heritage has moved into focus of the European Union as motor for employment, economic drive, and development. Closing the existing gap on further education of professionals working in the field is the main reason for Burghauptmannschaft Oesterreich (BHOe) to apply for and successfully conduct EU projects in several EU funding programmes.

14.00 - 15.30

Room 3
1B04

"People and technologies for the future of energy: Approaching Citizen Energy Communities" – workshop (hybrid)

This workshop intends to shed light on the importance of engaging people and unlocking the potential of technologies to promote Energy Communities and meet the EU's ambition of a joint net zero emission of greenhouse gases by the year 2050. To ensure a people-centred, sustainable, just and innovative energy future, citizens and experts must be brought into dialogue to codesign new ways of organising around energy. To approach these challenges, four Horizon 2020 sister projects (Creators, LocalRES, Hestia, and Lightness) will illustrate approaches, strategies and solutions being tested in different typologies of Energy Communities.

14.00 - 15.30

Room 5
2A40

"User Engagement" **– paper session** (hybrid)

- "A European project that is changing the way energy is consumed" (Jean-Philippe Pierre, ISEN Yncréa Méditerranée)
- "Energy Gamification: development of a user interface tool to upgrade the social experience and energy literacy" (João Cravinho, EDP NEW)
- "Flexible users, where are you? Recruitment strategies to flexibility experiments" (Carmen Valor, Universidad Pontifica Comillas)
- "Informing an equitable transition to clean energy: results from a resident survey on three islands" (Dana Abi Ghanem and Tracey Crosbie, Teesside University)

14.00 - 17.30

Room 6
2B36

"Low-TRL Renewable Technologies - 2nd Edition" **– workshop** (hybrid)

This workshop is a continuation of the previous "Low-TRL Renewable Energy Technologies" collaborative workshop at SP2021. Focused on the same topic, this workshop brings together a selection of H2020 EU-funded research & innovation projects dealing with the challenge of researching, developing, and demonstrating innovative, efficient, flexible, cost-competitive, and environmentally safe technologies, which are still at a low Technological Readiness Level (TRL 3-4).

Room 1
1A36

16.00 - 17.30

"Tools and Technologies for Hybrid Thermal and Electric Grids towards Sector Coupling" – workshop (hybrid)

This workshop brings together five projects (HYPERGRYD, HEATflex, MISSION, SUPERP2G, and WEDISTRICT) to discuss synergies and lessons learned within each project related to coupling the hybrid thermal and electric grid sectors. After brief project introductions, a roundtable will be followed by questions and answers from the audience.

16.00 - 17.30

Room 5
2A40

***"Sustainable Construction"* – paper session** (hybrid)

- "Dig_IT – A human-centred Internet of Things platform for the sustainable digital mine of the future" (Damiano Vallocchia and Diego Grimani and Amal Alrish, Ro Technology)
- "Energy skills as a driver to sustainable construction: current status, needs and proposed actions" (Lihnida Stojanovska-Georgievska, University Ss Cyril)
- "Upcycling Wastes Originating from Construction and Demolition Practices to Manufacture Geopolymeric Construction Materials" (Gurkan Yildirim, University of Bradford)
- "TCQiGMA environmental software" (Licinio Alfaro, ItеC)
- "Meta-materials and the Built Environment: A review into their perspectives for the enhancement of resiliency" (Miltiadis Kontogeorgos, RINA Consulting S.p.A.)

16.00 - 17.30

Room 3
1B04

***"Energy Communities"* – paper session** (hybrid)

- "COMPILE maturity scale" (Tomi Medved, Universtiy of Ljubljana)
- "Peer-to-peer Energy Communities: regulatory barriers in the EU context" (Ilaria Pigliautile, University of Perugia)
- "A case study of European small-town Renewable Energy Communities - Participatory design of supporting tools as a vehicle to engage and understand local communities and their energy related concerns" (Julia Blanke, Munster Technological University)
- "Results and lessons learned from the IElectrix H2020 project" (Sven Tischer, E.ON Group Innovation; Gemira Martinez, Enedis)
- "Potential business models for Positive Energy Buildings" (Mia Ala-Juusela, VTT; Andreas Tuerk, Joanneum Research)

16.00 - 17.30

Room 4
1B16

***"Innovative Solutions Supporting Cities' Transition"* – workshop** (hybrid)

According to the EU Mission for Climate-Neutral and Smart Cities, cities play a pivotal role in achieving climate neutrality by 2050, the goal of the European Green Deal. They take up only 4% of the EU's land area, but they are home to 75% of EU citizens. Furthermore, cities consume over 65% of the world's energy and account for more than 70% of global CO2 emissions.

Ongoing EU projects have developed tools, models and solutions that can help cities accelerate their green and digital transformation. This workshop will gather several of them that will present some of their key results supporting the development of more sustainable, inclusive, smarter and greener cities.

09.00 - 12.30

Room 1
1A36

***"Sustainable Energy Skills in the Construction Sector Workshop 3rd Edition"* – workshop** (hybrid)

The European construction sector is one of the areas with the highest potential when it comes to reducing annual energy consumption. Facing many challenges to achieve ambitious energy efficiency objectives, this sector aims to go forward by applying successful training initiatives and supporting policy instruments. For this reason, the creation of BUILD UP Skills, an EU Initiative to improve the qualification and skills of Europe's building workers, acted as a springboard to stimulate the demand for energy efficiency skills. This initiative is home to most of the projects presented during the Sustainable Energy Skills in the Construction sector workshops 1.0 and 2.0. This workshop will bring together nine Horizon 2020 projects (INSTRUCT, BUSLeague, TRAIN4SUSTAIN, PRO-Heritage, ARISE, SEEtheSkills, BusGoCircular, The nZEB Roadshow and nZEB Ready) with the objective of sharing expertise, lessons learned, and developed methodologies on energy efficiency skills competencies, and qualifications across the building design, operation, and maintenance value chain.

09.00 - 10.30

Room 2
1A46

***"Urban Transformation part 1"* – paper session** (hybrid)

- "Socio-spatial dynamics and changes in urban mobility practices in a pandemic context: a mixed method case study in Mulhouse, France" (Philippe Hamman, University of Strasbourg)
- "Urban mobilities in French intermediary cities: the impact of 'tactical' urban installations in the context of the Covid-19 pandemic" (Laure Michaud, University of Reims Champagne Ardenne)
- "Sustainable luxury pop-up store dimensions: A brand strategy approach" (Ghalia Boustani, Université Paris 1 Panthéon Sorbonne; Hiba Zielinski, University of Nice Cote D'Azur)
- "Assessing the impacts of pre-feasibility energy audits: An empirical investigation of SMEs in the UK" Huda Dawood, Teesside University

09.00 - 12.30

Room 3
1B04

***"Innovative financing for energy efficiency investments"* – workshop** (hybrid)

This workshop will bring together three Horizon 2020 projects (SUPER-HEERO, GREENFOOT and EAAS) to discuss how they are using innovative financing as a tool to trigger EE actions at scale and to simultaneously deliver social impact to brands and their clients. Crowdfunding, Energy Performance Contracting, Pay as a Service EE models and hybrid approaches will be presented and discussed. One project focuses on supermarkets and another on football stadiums. These project will discuss how they are connecting shoppers and football fans to the realization of EE retrofitting. The workshop is appropriate or all actors working in the EE space to include brand managers, CSR managers, energy managers, ESCOs, technology providers and investors. In addition, municipalities and territory managers facilitating sustainability programs within communities may find this workshop interesting.

09.00 - 12.30

Room 4
1B16

***"European Actions towards Geographical Islands Decarbonisation"* – workshop** (hybrid)

European islands due to their geographical and natural limitations, have the potential to become frontier innovation leaders of the clean energy transition, especially when it comes to efficient use sources. Several projects dealing with the clean energy transition of islands have been funded within the EU's H2020 research and innovation programme. This workshop will bring together a selection of sister projects coping with islands decarbonisation and clean energy transition by presenting their experience with the EU bodies, the financial schemes, and the main outcomes.

09.00 - 12.30

Room 5
2A40

***"Renewable Energy Technologies part 1"* – paper session** (hybrid)

- "Design of a district heating/cooling plant coupled with waste-heat recovery from a data centre in a University Campus in Spain" (Paolo Taddeo, Institut de Recerca en Energia de Catalunya)
- "Electric energy utilization in modern industrial environments" (Ivan Todorovic, Faculty of Technical Sciences)
- " Jet fuel production from biobased molecules via catalytic condensation" (Karla Dussan, TNO)
- "Reversible Solid Oxide Electrolysis integrations to wastewater treatment plants for green gas and power balancing services" (Robert Weiss, VTT)

09.00 - 10.30

Room 6
2B36

***"AI and Digitalization part 1"* – paper session** (hybrid)

- "A Data-driven approach for asset maintenance and management in power systems" (Ugo Stecchi, Etra I+D)
- "An extension of Thing Descriptions from the Web of Things for Digital Twins" (Salvador González Gerpe and Andrea Cimmino Arriaga, Universidad Politécnica de Madrid)
- "Transforming the server room into a sustainable micro cloud" (Çağatay Yılmaz, Lande Rack Cabinet)
- "Automation of building energy model calibration for improving operational efficiency in buildings" (Dimitrios Ntimos, Integrated Environmental Solutions R&D)

11.00 - 12.30

Room 5
2A40

***"Renewable Energy Technologies part 2"* – paper session** (hybrid)

- "Simulation of Operation of Geothermal Heat Pump using a Sea-Water Heat Exchanger. Case Study: Elderly Facility Home at Alexandroupoli, Greece" (Adamantios Papatsounis, Kriton Energy, Democritus University of Thrace)
- "An innovative energy storage system based on compressed heat: from design to experimental validation" (Jose Luis Corrales, TECNALIA)
- "Implementation the Plug&Play protocol and Integration of the Plug&Play technologies with TPC" (David Masip Vilà, Eurecat)
- "Macroeconomic modelling of a circular economy: application from shifting towards the INITIATE symbiotic system from 2020 to 2050 on a European level" (Ahmed Esam, Radboud University)

11.00 - 12.30

Room 6
2B36

***"AI and Digitalization part 2"* – paper session** (hybrid)

- "iPredict. A predictive maintenance tool of heating, ventilation, and air conditioning equipment using artificial intelligence" (Jose Luis Castro Aguilar, Eurecat)
- "Understanding the role of energy informatics and social media on energy citizenship" (Lurian Pires Klein, Cleanwatts Digital S.A.)
- "Smart metering and low voltage network digitization solutions in Ouagadougou, Burkina Faso" (Luc Richaud, Odit-e)
- "ECOFACT: ECO-innovative Energy FACTory Management System" (Andrea Perego, One Team)

11.00 - 12.30

Room 2

1A46

***"Urban Transformation part 2"* – paper session** (hybrid)

- "Building Performance Simulators software for industrial regeneration projects: presentation of the Ex-SIR case study" (Luca Morganti, University of Ferrara)
- "Environmental sustainability and urban / rural ecosystems safety increase by DRYADS" (Maria Foteinou, Accelligence)
- "Articulating a sustainable future for India's energy system and the role of smart meters: a qualitative exploration" (Dana Abi Ghanem and Tracey Crosbie, Teesside University)
- "Exploring Insights into Indoor Air Quality Using IoT Sensors & the Links to Health, Energy Usage & Wellbeing Practices" (Iman Hussain, Lancaster University)
- "Early-stage optimization for urban district renovation in Germany" (Andre Müller, Institute for Housing and Environment)

SPECIAL PARTICIPATION - Deputy mayor of Ville de Nice, Dr. Richard Chemla

In charge of Health, Ecology and Well-being and Vice President of the Metropole Nice Côte d'Azur - in charge of Ecological Transition.

Teaser: Opening address: Nice, a pioneering smart city

Bio: Dr. Richard CHEMLA has been raising awareness and discovering the beauties of our Mediterranean environment to better protect it for more than 30 years, by highlighting the importance of safeguarding biodiversity to protect humans. A neuroanesthesiologist and resuscitator by training, with a diploma in environmental health and diving medicine, he is the founder of the Centre de Découverte Mer et Montagne (CDMM), which provides environmental education for all publics, notably through workshops and activities. He founded one of the first networks for the protection of this sea : the "REM" which is the Euro-Mediterranean Network that brings together associations from all countries around the Mediterranean. Richard Chemla is for many "the voice of the sea", then daily chronicler on France Bleu Azur with "Planète Bleue" for over 20 years, for our Southern Region. This detailed understanding of the impacts of the environment on human health, gives him today, with Christian Estrosi, a first-rate expertise to face the global stakes and to accompany decision-makers as well as citizens in an ecological transition process made of innovative and local solutions. This is the case of the current Agency for Health and Environmental Safety and Risk

SPECIAL PARTICIPATION - Olivier Wenden

Vice-President and CEO, Prince Albert II of Monaco Foundation

Teaser: Through the initiatives of his Foundation, HSH Prince Albert II of Monaco is carrying out philanthropic actions to protect and progress planetary health. This keynote will highlight the Foundation's approach to the protection of the environment and the promotion of sustainable development at local and global levels, bringing together scientists, decision makers, business leaders and civil society stakeholders. The Foundation's long-term action has led to some encouraging victories, whether in safeguarding endangered species or improving living conditions in rural communities by implementing new sustainable and ethical solutions.

Keynote Speakers

Bio: Launched in 2006 by HSH the Prince of Monaco, the Foundation focuses its action on issues related to climate change, biodiversity and water resources at local and global levels. Appointed Vice-President & CEO of the Foundation in 2019, Wenden has previously served as Executive Director for 5 years. Wenden has actively participated in the international development of the Foundation, reshaping the fundraising strategy and enlarging the network of partners from the private sector around science-based programmes. Before joining the Foundation, Wenden worked for the Parliament of Monaco as Chief of Staff and international affairs advisor. He also served as Chargé de Mission for the Minister of Foreign Affairs and Cooperation of Monaco. Wenden graduated from Sciences Po Bordeaux and from the University of Sorbonne Nouvelle (Master in International Project Management).

Nadine Tournois - Professor Emeritus, ex-Dean of the IAE Nice Graduate School of Business and Vice-President for continuing education, University Côte d'Azur

Teaser: Welcoming words: international collaboration at University Côte d'Azur

Bio: Nadine Tournois is Professor at the University Côte d'Azur in France, specialized in services marketing and cross-cultural management. She is the former vice-chancellor of the Academy of Nice, the Vice-President of the University Côte d'Azur for continuing education, and the Dean of the IAE Nice Graduate School of Business where she has developed a sustainable development strategy, leading the school to various labels such as Fair-Trade School, Global Compact level2, BGA silver member… She served as the chair in several international conferences and has developed many international collaborations with universities from all over the world, where she teaches and gives conferences. Before becoming a Professor, she has been working at Texas-Instruments and IBM and as consultant for French and international banks. She is Chevalier of the Order of the Legion of Honour, and is involved in humanitarian activities.

Jean-Pierre Blanc - CEO of Malongo

Teaser: Testimony from a local industrial player with international outreach: Malongo

Bio: Jean-Pierre Blanc joined the local coffee roaster MALONGO in 1975. He took the lead of the company 5 years later. 38 years in the business, during which he worked to give the brand a national reach by developing an organic line, creating the first coffee pad made with natural paper and relying on fair trade. Jean-Pierre Blanc is the initiator, in the 90's, of fair trade products in the supermarket sector.

Keynote Speakers

Thibault Roy - Policy Officer, Directorate-General for Energy, European Commission

Teaser: Buildings: A key component to achieving a climate-neutral Europe.

Bio: Thibault is a Policy officer at the European Commission, Directorate-General for Energy, working on policies for the energy efficiency of buildings. He was previously a case handler on State aid files and has also worked in an environmental services company and in academia.

Margot Pinault- Policy Officer, Directorate-General for Energy, Energy Efficiency Unit, European Commission

Teaser: Policy background on the proposed revision of the Energy Efficiency Directive (EED).

Bio: Margot is the Team Leader of the Policy Development and Strategy team, responsible for the revision and further development of the Energy Efficiency Directive. Margot has also an extensive 7-year experience in the EU funding programs: in her previous position she was responsible for planning, coordination and development of the funding schemes for energy efficiency, specifically under the LIFE and Horizon Europe programs. Before joining the European Commission 10 years ago, Margot worked in the private sector, in the field of smart homes, home automation and buildings energy management systems. As for her educational background, Margot has a Masters in Economics and a Masters in European and International Business Law.

Dr. Emmanuel de Lanversin- Deputy Director for Housing, Urban Development and Landscape

Teaser: Building in France: A revolution?

Bio: Emmanuel de Lanversin, Engineer and Architect, is Deputy Director at the Directorate for Housing, Urban Development and Landscape of the French government. Amassing 30-years of professional experience in the construction industry as well as in urban planning and transportation. He puts his energy into the design and efficiency of cities so they can fulfill their purpose as places to meet and interact.

Keynote Speakers

SUSTAINABLE PLACES 2022

Enrico Mazzon- Senior European project manager at Capenergies – Cluster and a National Contact Point (NCP)

Teaser: Horizon Europe current funding opportunities for smart, sustainable and energy-efficient buildings.

Bio: Enrico Mazzon is a senior European project manager at Capenergies – Cluster and a National Contact Point (NCP) for Climate and Energy issues in Horizon Europe at the French Ministry of Higher Education and Research. He has covered the role of NCP for the EU R&I Framework Programme in two countries (France and Italy) for the last 9 years and spent 6 years in Brussels working as a EU Affairs advisor for the Italian Agency for the Promotion of European Research and Vattenfall group.

Raphaël Rinaldi- Europe & International Director at Capenergies

Teaser: Advancing the transition to net zero.

Bio: Raphaël Rinaldi is Europe and International Director at Capenergies' competitiveness Cluster, specialized in smart energy systems. Before joining Capenergies, Raphael was head of EU and transnational subsidized programs for ENEL in Italy, with more than 10 years of experience in the energy sector.

Stavros Stamatoukos- Project Manager, Horizon Europe Energy, CINEA, European Commission

Teaser: Funding Opportunities in Horizon Europe Energy.

Bio: Stavros is a Project Manager at the Horizon Europe Energy Unit of CINEA. Stavros has 5-years of experience managing EU funding programs mostly on Energy Efficiency and Digitalisation. Prior to joining the Agencies, Stavros worked for 15 years in the area of smart buildings and building management systems. Stavros is an Electrical & Computer Engineer and has a Masters in Energy and Environmental Management.

Keynote Speakers

SUSTAINABLE PLACES 2022

Ludovic Asso- Head of Industry & Energy, Chamber of Commerce and Industry Nice Côte d'Azur

Teaser: How the business ecosystem can support a territory's energy transition.

Bio: In this capacity, Ludovic leads the, Club Energie Côte d'Azur which brings together more than a hundred Côte d'Azur energy players (major groups, SMEs, very small businesses, local authorities, institutions, etc.) with the aim of promoting the energy transition and encouraging people to take action on a large scale.Expert in environmental, circular economy and CSR issues, Ludovic previously worked in the management of a fine chemicals industrial site.

Pascal Torres- CEO of Enoleo

Teaser: Pascal is CEO of Enoleo, a company based in Monaco specialized in the implementation of Hypervision hardware and software solutions applicable to both new and existing buildings, as well as industrial processes. Over the past years, Pascal has gained unrivalled experience in solutions for optimising air conditioning, heating, ventilation, and lighting for a wide variety of client segments (Pharmaceutics, Cosmetics, Electronics, aerospace, aromatics, plastics processing…).

Frederic Dalmasie- CEO of Agricorp

Teaser: The agro-industry, a driver of sustainable development

Bio: Currently heading Agricorp SAM, a Monegasque group with agricultural and industrial activities across Europe, Africa and the Indian Ocean, Frédéric Dalmasie also has extensive experience in finance, advisory and management accumulated in HSBC, Deloitte and Del Monte. After leading the successful issuance of the first Corporate Sustainability Bond in the African Region, his group is now focusing on the development of sustainable agricultural value chains, with an emphasis on local production and transformation, implementation of agricultural practices respectful to the environment and creation of positive socio-economic impact.

Keynote Speakers

Pierre-Antoine Vernon- Project Advisor, European Climate, Infrastructure and Environment Executive Agency (CINEA) - to be confirmed

Teaser: LIFE current funding opportunities for clean energy transition and climate adaptation.

Bio: Pierre-Antoine Vernon is responsible for Energy Efficiency projects on smart buildings at the European Climate, Infrastructure and Environment Executive Agency (CINEA), where he works as Project Advisor. He joined the Agency in 2015 after four years as Policy Officer in the field of energy at the European Commission DG Research and Innovation. Pierre-Antoine holds a Master in European Studies from the College of Europe and a Master in Political Science from SciencesPo, Paris.

Emmanuel Francois- Smart Buildings Alliance for Smart Cities, President of MAJ, Vice Chairman and Sales Manager of EnOcean GmbH

Teaser: As digital is at the heart of all transitions, Emmanuel FRANCOIS, Chairman of the MAJ fund and former founding Chairman of the Smart Buildings Alliance, draws our attention to the importance of data governance to meet the major current challenges of society. At the very heart of the governance of our society, he believes that the subject of data governance must be a necessary prerequisite for any policy aimed at responding to these many challenges, in particular in order to gain the trust of all stakeholders starting with the citizens. This speech will be delivered as part of the "Smart Buildings" workshop scheduled on the 8th September.

Bio: At 61, for Emmanuel FRANCOIS, the Smart Building and more broadly the smart city has always been at the center of his professional activity. To this end, in 2012 he founded the Smart Buildings Alliance for Smart Cities (SBA) which he chaired until July 2022 with a view to forming a virtuous ecosystem around the challenges of the environmental transition of buildings and cities while relying on digital tools. In 2019, he also founded the MAJ fund, with objective to encourage experimentation around a vision to open a new path, a new social project to meet the major current challenges of society by repositioning the Human at the heart of transitions and relying on digital and new technologies for more frugal and united buildings and cities. He is also Chairman of the Product Council "Technology & Real Estate" of ULI France, and manages Western Europe for EnOcean GmbH, which carries a key technology for the IoT because it is wireless and battery-free, allowing buildings to be instrumented in a non-intrusive and completely sustainable way.

Elodie Bondi - General Director

Qualisteo is an innovative company specializing in monitoring the electrical consumption of industrial sites. Qualisteo offers a unique non-intrusive measurement system that allows to measure the electrical consumption of the site, and a data processing software that allows to identify the consumption uses. Thanks to this innovative system, we can offer our clients a real-time mapping of their consumption by zone/use. Our team of energy managers allows our customers to implement energy savings based on "free savings without investment". With Qualisteo, consumption is mapped at +90% per zone/use, and consumption is reduced by -10%/15%.

William Borderie - Sales Director

Solarcloth designs and produces flexible, light, and , foldable, rollable, quality photovoltaic textile, in France. Our mission: to provide clean energy, everywhere and for everyone. Our goal is to participate in the energy transition at the local level. We want to work towards the renewable energy autonomy of units not connected to the grid. Our team has developed a unique technological expertise in the field of thin film integration under vacuum, using an ecological process of thermo-fusion without solvents, to realize light, very resistant and "non-deformable" racing sails.This exclusive know-how has allowed us to integrate these layers reinforced with technological fibers, flexible, rollable and very thin photovoltaic films (25 to 65 microns), to laminated or woven textiles. A new solar fabric was born, providing a sustainable energy that contributes to zero dependency applicable to many sectors of activity. With a unique DNA, combining high technology and renewable energy, our team is open to all new applications and innovations, consistent with our expertise, green energy and the environment.

Olivier Bechu - CEO & Co-Founder

SUN and GO, a player in the energy transition, offers photovoltaic solutions to companies and local authorities in the South of France, for the production of renewable and local energy for buildings and the recharging of electric and hybrid vehicle fleets. SUN and GO has chosen to combine solar energy production to ensure the electric mobility of vehicle fleets and the energy consumption of buildings in order to propose a global offer to communities and companies in the South-East of France. It is to combine a solution of ecomobility in self-production and a self-consumption of the energy of the building, making it possible to drive with solar energy and to consume its local energy. We allow you to produce local and renewable electricity on your parking lot and/or your roof thanks to photovoltaic, to supply your electric vehicles as well as the internal network of the company when the batteries are full or the vehicles are absent.

Cindy Umaña-Lopez - Project Manager

WIT is a French industrial company that develops technological solutions for: controlling, securing and operating all types of technical installations remotely. With more than 35 years of experience, innovation and technological mastery, WIT solutions guarantee

– Optimization of energy resources
– Safety of goods and people
– Continuity of services
– Control of environmental risks
– Performance management
– Open and secure environment
– Development of new uses and services

Discover our solutions :

– Smart Building for connected buildings serving their users
– Smart Water for a controlled and efficient water cycle

WIT solutions bring your facilities into a new era, more efficient and collaborative than ever.
– Data acquisition to give you a global vision.
– Analysis of your facility's operation in real or delayed time to make appropriate decisions.
– "Business" actions implementing automatisms to control equipment and make them interact with each other
– Anticipation with predictive functionalities to improve productivity, responsiveness, generate savings and avoid technical malfunctions.
– Raising awareness and involving occupants in changing their behavior.

Whether you are a Design Office, an Operator, an Installer, an Integrator, an Industrial, or a Community, our team of enthusiasts will be able to analyze and understand your needs and bring you the best technological and financial solution!

Valda Stanley - Product Manager

Eco CO2 is positioned on the environment and sustainable development market. Eco CO2 designs, develops and distributes simple and economical solutions allowing companies, terrorist communities or any individual to control their energy consumption, their carbon footprint and their environmental impact.

Muriel Etievant- Marketing Manager

Oghji, the first digital, connected and eco-responsible electrical panel. Every home, company, factory, public building in the world is equipped with an electrical safety panel whose operation no longer meets current energy control requirements. Individuals and companies need to increase their capacity while keeping their bills under control. Energy suppliers, for their part, must deal with a reduction in electricity production and increasingly unpredictable weather. It is in this context that six partners, passionate about new technologies and home automation, with the ambition of contributing to the preservation of our environment and our natural resources, had the idea of creating Oghji. "Our ambition is to develop a new generation of electrical protection switchboards that will revolutionize the use of electricity by providing flexibility, comfort and savings."
– The Oghji team

Filip Gluszak- CEO

GridPocket participates in the "smart grid" revolution and specializes in the development of innovative value-added energy services for energy suppliers. With more than 10 years of experience, GridPocket offers "white label" Customer Experience Platforms that create added-value from smart meter's data.
Whether it is gas, electricity or water, our platforms help people to better understand their consumption. GridPocket's mission is to make consumers actors of their own consumption. Their solutions allows companies to better know their clients to create long-lasting engagement. GridPocket's solutions covers churn management, smart homes, electric vehicles, artificial intelligence and behavioural customer analysis.

Patrick Hurpin - CEO

MACAUTO is an innovative European company proposing an urban infrastructure system for shared transport and energy management, reproducible components of the MACAUTO project. The "Hives" are integrated as structuring elements of a proximity service in the design of the new districts of tomorrow's sustainable cities, Smart Cities. A MACAUTO Hive saves 10,750 m² of parking space.

Sponsors brief

SUSTAINABLE PLACES 2022

IES - Blue sponsor

Over the past 25+ years IES has built a solid reputation as the leading global innovator in integrated performance-based analysis for the built environment. Its Digital Twin technology facilitates the creation of resource-efficient, healthy and cost-effective built-environments of any size or purpose – supporting citizens, companies, campuses, communities, cities and even countries in their journeys to net-zero.

IES and Sustainable Places

IES is excited to be participating in this year's Sustainable Places in Nice. Sustainable Places recognizes that climate change objectives cannot be met without innovations capable of tackling the built environment, and its associated infrastructure, at scale. This is closely aligned to IES' approach, which recognizes that buildings and cities need to be assessed as the integrated environments they are. Providing the technology to ensure everyone involved in the conception, design, management or use of any building, community or city can work together to leave our world in a much better state than we inherited it. Our award winning digital twin technologies provide tools to support across the entire building lifecycle, covering everything from the new design and retrofit of individual buildings, to the sustainable masterplanning of entire developments, network modelling to support community energy & renewables, as well as data driven tools to optimise operational performance and stakeholder engagement. We are proud to share Sustainable Places' commitment to cutting edge research and innovation and have worked on a number of EU Horizon 2020 and other R&D projects to ensure that our technology always remains pioneering and innovative.

BRAINBOX AI - Blue sponsor

Over the past 25+ years IES has built a solid reputation as the leading global innovator in integrated performance-based analysis for the built environment. Its Digital Twin technology facilitates the creation of resource-efficient, healthy and cost-effective built-environments of any size or purpose – supporting citizens, companies, campuses, communities, cities and even countries in their journeys to net-zero.

Sponsors brief

SUSTAINABLE PLACES 2022

BRAINBOX AI

BBAI and Sustainable Places

BrainBox AI is proud to sponsor Sustainable Places 2022. The event directly aligns with BrainBox AI's mission of "using AI to create value for all building users, owners and utilities across the world."
"Given the sheerscale of the challenges ahead of us in the coming years and decades, participating in events such as Sustainable Places is critical to what we do at BrainBox AI" said Sam Ramadori, President of BrainBox AI. "Exchanging on the impactful changes we will need to make in many industries, including the built environment, is critical as a catalyst of that required change. We anticipate that this event, with its blend of policy, scientific, technical, and real-world applications, will be a critical contributor to our climate change call to action."
BrainBox AI's deep learning software produces a saving in total energy costs of up to 25%, a 20–40% reduction in carbon footprint and a 60% increase in occupant comfort. Building operators can also see up to a 50% extension in the service life of the HVAC equipment. Most recently, BrainBox AI was announced as one of 10 companies globally chosen to showcase at the Tech For Our Planet challenge program, an initiative at the upcoming 26th United Nations Climate Change Conference (COP26). In 2020, BrainBox AI was recognized by TIME as one of the Top 100 best inventions and by CB Insights as one of the Top 100 AI start-ups redefining industries in 2021.

CCI NICE CÔTE D'AZUR

CCI Nice Côte D'Azur | Silver Sponsor

The Chambre of Commerce and Industry of Nice Côte d'Azur (CCI NCA) serves the public interest as a major player in the growth, attractiveness, and economic performance of the French Alpes-Maritimes. It is responsible for servicing and representing the interests of commercial, industrial and service companies in the Alpes-Maritimes.
CCI NCA is positioned as the leading promoter of the dynamism and entrepreneurial spirit of the Côte d'Azur ecosystem. It supports entrepreneurs on the Côte d'Azur to create, innovate and develop in the best conditions.

CCI NCA and Sustainable Places 2022

This year at Sustainable Places, CCI NCA contributes to the opening plenary session "Innovate with France" on the 6th of September, by inviting five local SMEs to pitch their latest innovations: WIT , Sun'n'Go, Custhome, SolarCloth, and Qualisteo.

CCI NCA is excited that SP2022 is taking place in Nice, since the conference aligns with the organization's values and mission. The mission of CCI NCA is exercised around 5 strategic objectives, including: to animate economic life, to inform companies, to facilitate synergies for the benefit of the territory, to develop efficient infrastructures, and to train the employees of tomorrow.

Sponsors brief

Its "Club Energie" gathers more than 100 members working together to design and implement an ambitious local energy transition, aligned with many of the key challenges discussed at Sustainable Places.

Its "Club Energie" gathers more than 100 members working together to design and implement an ambitious local energy transition, aligned with many of the key challenges discussed at Sustainable Places.

Enoleo Énergie - Silver Sponsor

The expertise fueling Enoleo is based on more than 14 years of cutting edge development of industrial processes and specialized air handling systems in the commercial and industrial sectors. Enoleo offers equipment and software solutions for energy efficiency optimisation in the air conditioning, heating, ventilation, and lighting sectors. They also provide turnkey solutions for the Industry, such as innovative products for the labs of the future or complete process/utilities systems. Enoleo's unique methodology to pre-fabricate all sub-assemblies in workshop allows smooth and fast on-site installation, minimizing installation duration, co-activity and non-conformance.

ENOLEO and Sustainable Places 2022

Created in 2008, Enoleo offers energy optimization solutions for professional premises, in addition to manufacturing processes in the industry, thanks in particular to systems equipped with supervision. With the rise of intelligent building, we are also developing in the tertiary sector.

Sustainable construction, smart cities and buildings Energy-Efficiency, and Greentech are shared themes of SP's and Enoleo's activities. Enoleo is glad to sponsor the conference and engage with stakeholders from across the sustainable and smart building value chains, to discuss market trends, green investment and market opportunities.

Building Digital Twin Association - Silver Sponsor

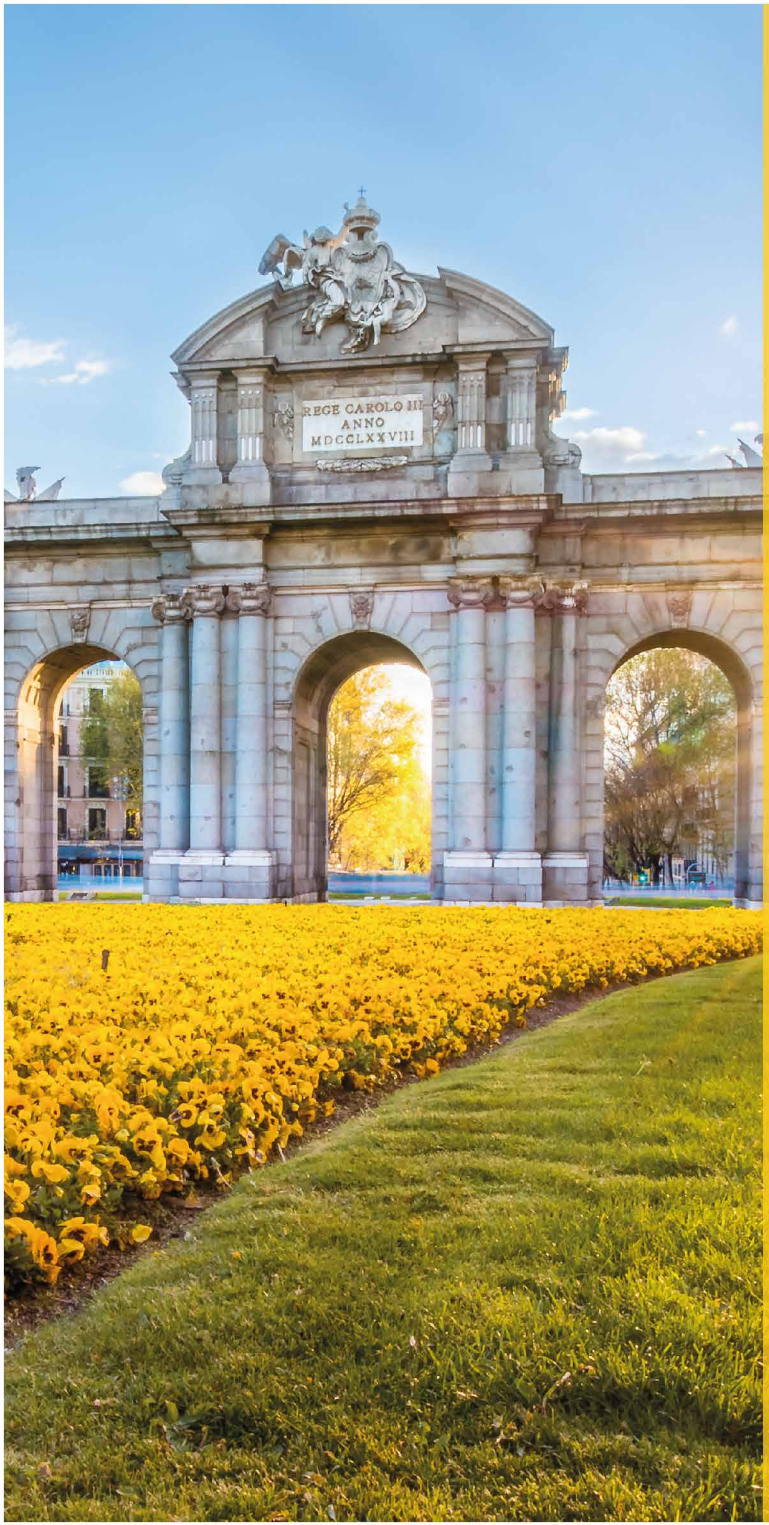
Building Digital Twin Association (BDTA) vision is to allow the coordination of multi-criteria efficient decision-making across all AECOO (Architecture, engineering, construction, owner and operator) stakeholders by digitally duplicating EU building stock.

Its mission is to develop an Open & Ethical Techno-economic Ecosystem to advance towards full implementation of Building Digital Twin Environments across all the stakeholders and lifecycles of AECOO Smart and Connected Real Estate and Infrastructure Assets, including occupants, through professional development and community.

BDTA is a contributor to SPHERE, an EU Project which aims to provide a uniform framework for the future development of building digital twins by offering a setting for Smart, Connected Asset Systems (SCAS) over their full life cycle.

BDTA and Sustainable Places 2022

The BDTA is enthusiastic about participating in Sustainable Places 2022, spotlighting their work in the SPHERE project, notably the Digital Twin platform based on Building Information Modeling (BIM) and Integrated Design and Delivery Solutions (IDDS). SPHERE's platform will optimize the building lifecycle from design to end of life, reduce costs, and improve energy efficiency in residential buildings.ts to ensure that our technology always remains pioneering and innovative.



SUSTAINABLE PLACES 2023

Sustainable Places 2023 is coming to Madrid, Spain !

We look forward to welcoming you next year in the wonderful sustainable city of Madrid.

R2M
RESEARCH TO MARKET
SOLUTION