

## XI BioEconomic® Day Sitges 2022

"Building on Wood, sustainable, healthy and efficient construction and its climatization"



**XI BioEconomic® Day Sitges 2022**  
**"Building on Wood, sustainable, healthy and efficient construction and its climatization"**

**Miramar Building, Sitges (Barcelona)**  
**September 30th, 2022**  
**10h to 13h**

**Sponsor:**   
Plan Estratégico Rehabilitación  
Energética Integral de Hoteles

**Participants:**



**Partner Organisation:**   
ADVANCING CLEAN ENERGY  
#EUSEW2022  
European Sustainable Energy Week

**Ajuntament de Sitges**



The Sitges townhall and BioEconomic® are happy to invite you to the XI BioEconomic® Day Sitges 2022  
"Building on Wood, sustainable, healthy and efficient construction and its climatization"

- Day:** September 30th, 2022
- Time:** 10:00h to 13:00h
- Venue:** Miramar Building, Davallada Street, 12 - 08870- Sitges (Barcelona)
- Streaming:** YouTube platform [BioEconomic Jornadas](#)
- Free inscription:** [www.bioeconomic.es](http://www.bioeconomic.es)
- Follow our LinkedIn:** [BioEconomic](#)
- Hashtags XI BioEconomic® Day Sitges 2022** [#BioSitges](#) / [#BioMadera](#) / [#EUSEW2022](#)

The day is aimed to:

Architects, Engineers, Facility Management, Public Institutions, Sectors: forestry, industrial, materials and construction, entrepreneurs, developers and builders.



### Justification:

In this conference we will see the benefits of wood, its climatization and energy efficiency, objectives on which to act in the fight against climate change. In the construction sector, buildings are responsible for 40% of energy consumption in Europe and 30% of CO2 emissions, the main causes of this phenomenon that has become a global challenge for humanity.

Wood requires much less energy in the transformation process from raw material to building material than steel or concrete. For example, the energy required to produce a glulam beam is one-sixth of that required to make a steel beam of comparable strength.

Once the building is constructed, wood contributes to energy savings through its thermal insulating qualities. Its hygroscopic properties (the ability to regulate the relative humidity and temperature of the environment) create temperate environments in both hot and cold months. A wooden wall is considered to insulate 15 times more than a concrete wall.

These qualities make wood a particularly suitable material for the construction of passive houses, which meet the criteria of the Passivhaus standard, the most demanding in the world in terms of energy efficiency. For the construction of this type of building, whose energy consumption is between 75 and 90% lower, it is necessary, among other aspects, to provide a high level of insulation in the exterior walls and roofs, for which wood is an ideal material. An adequate ventilation system should be provided to renew the air and reduce the risk of condensation or humidity problems, with the possibility of invisible climatization.

### Programme

- 10:00h - Opening and welcome by **Aurora Carbonell**, major of **Sitges**  
Presentation in charge of **Sebastià Parera**, Manager of **BioEconomic**
- 10:10h - Introduction **Fc. Xavier Garcia-Marquès**, Environmental Technician Sitges Townhall, moderated by **Eduard Terrado**, Graduate in Geological Sciences from the **University of Barcelona**. Member of the College of Geologists. Town Planning and Natural Spaces **Sitges Townhall**
- 10:30h - Madera Tecnológica®: circular architecture  
**Josep Carvajal**, Project Engineer **VISENDUM**® **Madera Tecnológica**® **Europea**
- 10:50h - Industrialised wood construction in Catalonia  
**Ignasi Caus Angles**, Gerente **Tallfusta**
- 11:10h - Sustainable and healthy construction, the challenge of the 21st century  
**Claudi Egea**, Engineer CEO **HET PARTNERS**
- 11:30h - Energy-efficient and healthy timber building construction  
**Pere Linares**, CEO **House Habitat Casa Pasiva**
- 11:50h - Sustainable ventilation to guarantee indoor air quality  
**Rodrigo Sanz**, Single Family Model Manager Cataluña, Balears y Aragón, **Siber**
- 12:10h - Invisible underfloor heating on wooden floors  
**Judith Masip**, **UPONOR** Training and Technical Support Engineer
- 12:30h - The use of timber, its sustainable forest management and the prevention of forest fires  
**Robert Roch i Sunyé**, Chain of Custody Manager at **PEFC Catalunya**
- 12:50h – Question round and closing by **Xavier Roig Juan**, Councillor for Sustainability, Climate Change and Energy Transition of **Sitges Townhall**
- 13:10h - Catering & Networking





Organized by



Participants



Sponsor



Official Media Partners



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