

Sustainable Real Estate – Training Programme

- European version, by OID

This **online course** aims to **provide common knowledge** about **the challenges for a sustainable real estate**, as well as an understanding of how these apply to the sector, and to offer ideas on how to address them.

PRACTICAL INFORMATION

- E-learning platform
- 4 progressive parts
- 30 courses
- Average duration: 5 hours
- Language: English

TARGET AUDIENCE AND PREREQUISITES

This course is designed for real estate professionals who wish to be trained on ESG issues to integrate the principles of sustainable development into their practice. It is open to all, with no specific prerequisites.

PRICE PER UNIT:

STANDARD: €300 EXCL. VAT

OID MEMBER: €250 EXCL. VAT

Volume discounts apply

COURSE CONTENT

4 parts

- Understand key global metrics relating to major ESG issues - **1.5 hours**
- Identify factors specific to the real estate sector and the key challenges associated - **1.5 hours**
- Be familiar with the standards, regulations and tools available to address these challenges - **1.5 hours**
- Understand the sector's general limitations and opportunities, and explore new narratives - **0.5 hours**

See below for details by module. The durations shown are the average durations reported by users.

Summary sheets are available to download for each thematic module, providing you with resources to keep and make your own.

Each module includes illustrated explanations, videos, and interactive activities (which are not marked) to engage the user, as well as the option to access further details and resources.

We would like to thank our partners Altarea, BNPRE, JLL, In'li and SFL, who have worked with us to create this training course, as well as to the Master's in Sustainable Real Estate and Construction at the École des Ponts and the Université de la Ville de Demain, who helped launch the project.



1.1

A world with finite boundaries

🕒 10 minutes

Planetary boundaries.

The concepts of Earth Overshoot Day and the Anthropocene.



1.2

The Notion of 'Energy' and the Future of Energy

🕒 15 minutes

The greenhouse effect and various greenhouse gases.

The characteristics of the main types of energy, and the energy mix in Europe.

Quantitative differences between primary energy figures and final energy figures.



1.3

Observed Climate Conditions and Projections

🕒 10 minutes

The distinction between climate and weather: the purpose of climate projection models.

Average rise in temperatures since the 19th century (Europe and worldwide).



1.4

Climate Governance

🕒 10 minutes

The IPCC and its various scenarios.

The objectives of the Paris Agreement and their implementation.

Mitigation, offsetting and carbon neutrality.



1.5

Key Concepts in Biodiversité

🕒 5 minutes

Definitions of biodiversity, ecosystems and mass extinctions.

The importance of green, blue and black ecological corridors.



1.6

Mass Extinctions

🕒 5 minutes

The sixth mass extinction.

Health impacts of biodiversity loss.



1.7

Global Water Crisis

🕒 5 minutes

The water cycle and the scarcity of fresh water.

Sector-specific water uses.



1.8

The Human and Social Upheavals of the Transition

🕒 5 minutes

The links between territorial vulnerability, social inequalities and climate change.

Challenges posed by population displacement linked to global warming.



1. Évaluation

Assesment

🕒 15 minutes

20 questions. A minimum score of 75% is required.

Unlimited attempts; a different questionnaire is provided each time you take the test..



2.1

The Impact of Human Activities on a Region

Breakdown of the urban population in Europe and worldwide today.
Vacant properties and second homes in Europe.

🕒 10 minutes



2.2

The Vulnerability of Regions and Buildings

Weather-related risks affecting buildings and their consequences.
Trends in insurance costs associated with weather-related damage.

🕒 15 minutes



2.3

Adaptation Strategies

Key drivers of adaptation to climate change.
Maladaptation and examples.
Building uses that influence its vulnerability.

🕒 10 minutes



2.4

The Impact of the Real Estate Sector on Biodiversity

Land-use change: how it differs from soil sealing.
The property sector and the five major pressures on the natural world.

🕒 10 minutes



2.5

Tools and Levers in Biodiversity

Life Cycle Assessment for biodiversity and grey biodiversity.

🕒 5 minutes



2.6

Energy and Carbon

Energy consumption and GHG emissions from the building sector.
Carbon emissions across operations and life cycle stages.
Measures for decarbonisation and energy saving.

🕒 15 minutes



2.7

From a Linear Economy to a Circular Economy

Reuse, recycling, repurposing.
Statistics on waste generation in the construction sector.

🕒 5 minutes



2.8

Water, Cities, Buildings

Water-related climate hazards and their impact on buildings.

🕒 5 minutes



2.9

Social Issues within Buildings

Indoor and outdoor air quality, health, comfort, ageing.

🕒 5 minutes



2.10

The Social Impacts on the Region

Social housing, intermediate housing, emergency accommodation
Positive social impact.
Sustainable transport.

🕒 5 minutes



2. Évaluation

Assessment

20 questions. A minimum score of 75% is required.

Unlimited attempts; a different questionnaire is provided each time you take the test..

🕒 10 minutes



3.1

ESG criteria and the definition of a sustainable business

The concept of double materiality.

The overall objective of the taxonomy and its six environmental objectives.

🕒 5 minutes



3.2

ESG Reporting and Transparency

Non-financial performance statement and CSRD.

Physical, transition and reputational risks.

The SFRD Regulation.

🕒 5 minutes



3.4

Biodiversity Strategies and Regulatory Framework

The key international objectives of the COP on biodiversity.

The mitigation hierarchy : 'Avoid, Reduce, Offset'.

🕒 5 minutes



3.5

Strategies for Decarbonisation and Energy Transition

European ambitions and plans (Fit for 55).

🕒 10 minutes



3.6

Regulations and Tools Regarding Energy and Carbon

Energy Performance Certificates (EPCs), the BACS, the Carbon Footprint.

🕒 10 minutes



3.7

Waste Regulations and the Circular Economy

Extended Producer Responsibility.

The Product-Materials-Waste Assessment.

🕒 5 minutes



3.8

Water Management

Sustainable water management: public policies and plans.

🕒 5 minutes



3. Évaluation

Assessment

20 questions. A minimum score of 75% is required.

Unlimited attempts; a different questionnaire is provided each time.

🕒 15 minutes

Part 4 - The sector's overall limitations and opportunities: towards new narratives.

Changing Perceptions

🕒 5 minutes

The environmental and social limitations of our current models. Innovative approaches and indicators can be shaped to rethink the sustainability of urban and property development projects: frugality, appropriate scale, shared resources and collective organisation, the 15-minute city, the ecological footprint, and the natural capital indicator.

Unleashing innovation

🕒 5 minutes

Question the notion of progress. Connectivity in buildings and high-tech equipment / low-tech approach to practical, sustainable and accessible solutions.

Challenges for the transition

🕒 5 minutes

Some challenges need to be overcome to ensure a successful transition:

- Reducing the consumption of natural, land and energy resources;
- Making significant investments and redirecting funding from 'grey' activities towards low-carbon projects;
- Transforming the construction sector to attract talent and train staff in new processes and products;
- Incorporating non-financial factors (climate, health, inequality, etc.) into valuation models to provide a more comprehensive view of an asset's value.

Achieving an equitable ecological transition

🕒 5 minutes

Safeguarding social inclusion and preventing the situation of the most disadvantaged from becoming even more precarious: rising prices for goods, rent and energy can deprive the most vulnerable of essential goods or services.

The Cost of Inaction in Climate Change

🕒 5 minutes

Asset depreciation, market upheavals and their impact on people, particularly in terms of health and productivity within the construction sector. Investing in the adaptation of the built environment to limit these losses and create sustainable value.

Assessment

🕒 5 minutes

This final part is assessed through a non-marked activity designed to explore key concepts and gather your ideas.

