



CONFORT ET ÉNERGIE DE L'HABITAT

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Lecturers: **Eric VINCENS**

| Lecturers : 20 | TC : 0 | PW : 0 | Autonomy : 0.0 | Study : 8 | Project : 0.0 | Language : FR

Objectives

While Housing represents nearly 40% of total energy consumption in France and contributes 25% to greenhouse gas emissions, controlling the energy performance of buildings is becoming a major issue in building a future. sustainable. This course proposes to provide tools for designing a high-performance envelope and for producing energy for a more frugal habitat, but also tools for diagnosing the existing one.

Keywords : frugality, comfort, air renewal, energy for the building

Programme

- 2020 Environmental standard (RE2020) and labels
- Home comfort
- Frugal solutions for building energy production
- Photovoltaics for buildings

Learning outcomes

- - build a static and dynamic model to quantify heat losses - build the process to assess heating needs - choose technical solutions for heating the production of domestic hot water

Independent study

Objectifs :

Méthodes :

Core texts

Assessment

- knowledge score: final exam without documents
- know-how score: notes from the BE