

## Europass curriculum vitae



### Personal information

Surname(s) / First name(s)

**ZIRNGIBL Johann**

### Work experience

Dates  
Occupation or position held

September 1981 to 2018  
Director International Development Energy Efficiency  
Senior Scientist / Head of division at Centre Scientifique et Technique du Bâtiment  
(Public institute belonging to the French Ministry of Housing and Construction)

Main activities and responsibilities

#### Main activities

- Research and development in the building sector on:
  - Energy efficiencies analysis of buildings and systems
  - Low energy and passive buildings
  - Innovative energy systems (renewables, energy supply, cogeneration, fuel cells)
  - Environmental quality and environmental impact of products and systems
  - Sustainable development (assessment methods and tools)

#### Responsibilities

- Head of division CSTB/ Energy systems and sustainable development assessment group
- Project manager in national research projects  
Evaluation and impact assessment methods (French HQE method)
- Project manager in international research projects  
International energy agency (IEA), European research programs (e.g. Intelligent Energy Europe, H2020 projects)
- International expertise  
Expert for the European Commission (DG TREN, DG Enterprise, DG Enlargement), the World Bank and EBRD (European Bank for Reconstruction and Development) in community policies related to the energy performance in the building systems
- French national energy codes (CSTB is a governmental affiliated institution)  
Convenor of national building energy codes committees
- National and European standardisation  
Convenor of CEN TC 371 / WG1 "EPBD coordination"  
Convenor of CEN TC 228 / WG4 "Heating systems in buildings – Calculation methods"  
Convenor of ISO TC 205 / WG9 "heating and cooling systems"

Name and address of employer

Centre Scientifique et Technique du Bâtiment (CSTB)

Type of business or sector

84, Avenue Jean Jaurès, Champ sur Marne, 77447 Marne la Vallée, France

Research, training, testing and dissemination of knowledge in the building sector

## Education and training

Title of qualification awarded  
Principal subjects/Occupational skills covered  
Name and type of organisation providing education and training

Engineer  
Building physics, Mechanical engineering, Thermal dynamics, Economics (base study)  
École d'ingénieur

### Additional information

#### Expert for the European Commission and the EBRD for training national building authorities on EPBD and transposition

- Turkey
- Ukraine
- Moldavia
- Kirgizstan

#### Experience in EPBD related standards

- CEN/TC 228/WG4 Heating systems in buildings (Convenor)
- CEN /TC 371/WG1 Project Committee on Energy Performance of Buildings (convenor)
- ISO/TC 205/WG9 Heating and cooling systems (Convenor)
- ISO/TC 163/WG4 Energy performance of buildings using holistic approach
- AFNOR P529 (Heating and cooling system)
- DIN NA 005-56-20 Energetic evaluation of buildings (guest Member)

#### European projects

- European project "Voluntary common EU certification scheme for the energy performance of non-residential buildings", 2012, Project leader
- European project "Enabling the European Common Voluntary Certification Scheme of non-residential buildings" according to contract", 2017, Project leader
- European project "Technical assessment of national/regional calculation technologies", 2015, Project leader;
- European project "Alliance for Deep RENovation in buildings (ALDREN) Implementing the European Common Voluntary Certification Scheme, 2017, Project leader
- European project CEN standard - Certified Experts (CEN-CE) EU-wide qualification and training scheme based on EPBD mandated CEN standards, Project leader, 2017

#### Publications and Communications (selection)

- What are the main national options in the overarching EPB standard ISO 52000-1, Eighth Annual International Workshop ISO, 2018, Oslo
- A Voluntary European Certification Scheme, 2017, Istanbul
- Implementation of the holistic approach in EPB standards and building regulations, TC163/205 Workshop, Tokyo, 25th of September 2017
- Integrated Ener European Energy Performance of Buildings Directive – a holistic legal instrument for an environmental breakthrough, 3rd International Conference on Intelligent Green and Energy Efficient Buildings, March 2007, Beijing, China
- General framework for the assessment of overall energy use of a building according EN 15603, ASHRAE Annual Meeting, June 2007, Long Beach, California
- Europäische Methode der Bewertung von Gebäuden, DIN-NHRS – Informations-und Strategietag, Juni 2007, Berlin, Germany
- EPBD / CEN Normung / nationale Umsetzung – Theorie und Praxis, VDI – Fachtagung, Januar 2007, Dortmund, Germany
- Green Buildings in France – High Environmental Quality certification scheme and efficient solutions, Architect'06, May 2006, Bangkok, Thailand
- The French High Environmental Quality certification scheme, Nordic Building Physics Symposium, June 2005, Reykjavik, Island