

phase for Positive Energy and Low Carbon Construction (E+C-) To the French environmental regulation



A worldwide challenge



Paris Agreement

1.5° C

Efforts to limit global warming

Cutting EU greenhouse gas emissions

by at least

40% by 2030

How buildings contribute to climate change ?

44%

consumed energy in France



25%

French GHG emission from energy consumption

Ambitious national goals



LA TRANSITION ÉNERGÉTIQUE pour la
CROISSANCE VERTE



#LoiElan

Environmental Regulation for new Constructions



In 2020

Environmental Regulation for new Constructions

Use of materials from **renewable resources or recycling**

+

Carbon storage during the building life

+

Energy Regulation towards net Zero Energy Buildings

Building **indoor air quality**

Environmental Regulation for new Constructions

2016 **National Trial Phase**
for new Constructions (E+C-)



Autumn 2018 **complementary technical works**

2019 : consultation of stakeholders

Trial phase E+C-



TEST

a calculation method
and requirement levels
on real buildings

ADAPT

the calculation method
and the requirement
levels with the reality on
the ground

DEVELOP

the stakeholders skills

To build, with the stakeholders together,
the **NEW ENVIRONNEMENTAL REGULATION**,
on a shared basis

2016

2020

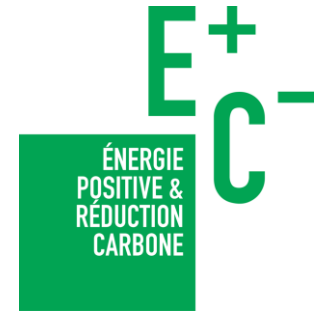
Trial phase : number of participants – April 2019

Buildings (total number) : 676

Single family homes : 396

Collective housing : 175

Tertiary sector : 105



Technical works to build the new Regulation 2020

Started in Autumn 2018 - 15 subjects to be studied

Strong involvement of stakeholders



Regulation 2020 to be written on this basis

- Definition of the regulatory calculation method : Spring 2019
- Definition of the regulatory requirements for energy and carbon : Autumn 2019
- Publication of the new regulation : Beginning of 2020





<http://www.batiment-energiecarbone.fr/fr/>