



European
Commission

BRIDGE DESIGN WITH EUROCODES

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JRC - ISPRA



The European **INTERNAL MARKET**

- The EU is a big market of more 500 M people;
- Ensuring a correct functioning of the **Internal Market**:
economic advantage of the EU;
- Two instruments:
 - **legislation**
 - **standards**

LEGISLATION – New Approach -

What does Legislation do?

- 1. Sets up the Essential Requirements for products to be placed on the EU market;*
- 2. Establishes the modalities and obligations for the Conformity Assessment*

STANDARDS

What is the role of the Standards?

- Standards are the usual way of demonstrating the conformity with the Essential Requirements (ER);

- This is a voluntary way: following the standards is not compulsory;

but,

- Standards are given « presumption » of conformity with the ER.

EUROCODES

How Eurocodes fit in the legislation/standards described system?

- Objective: internal market for engineering services

- ***First ER of Works, buildings and Civil Engineering Works:***
- ***Mechanical resistance and stability***
- **- Eurocodes are given **presumption of conformity** with that ER.**



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○ **THANK YOU FOR YOUR
ATTENTION**