

# CEN CSN Conference

*'Construction Standards: 2010 – 2015'*



→ **How will CEN TCs proceed?**  
CEN/TC 350 (on Basic Works  
Requirement 7)

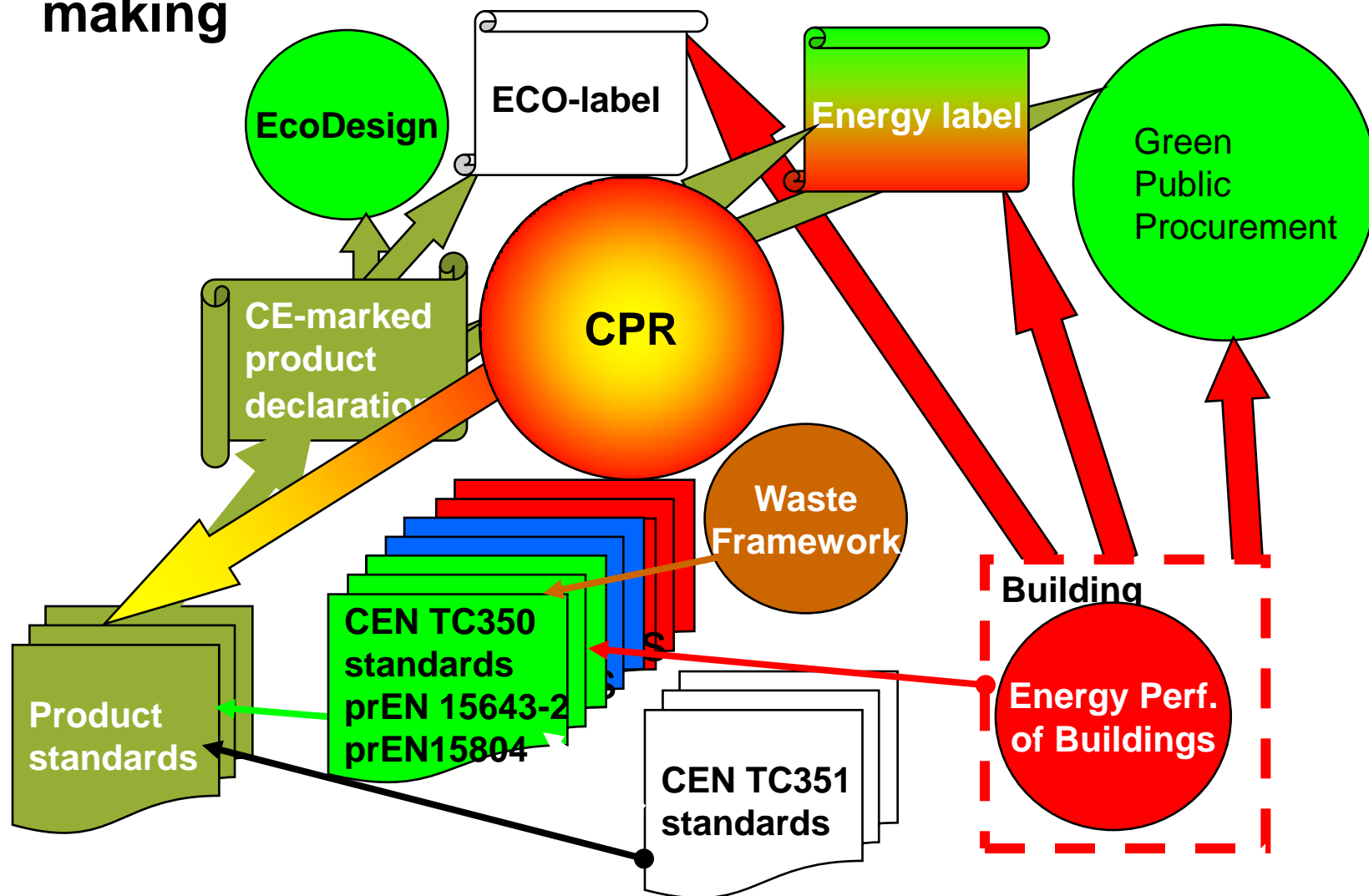
ARI ILOMÄKI, CEN/TC350 chairman

# CEN/TC350 – Sustainability of Construction Works



- **European horizontal standards for the sustainability assessment of buildings -> One system in Europe**
- **Sustainability assessment with the performance based approach in terms of:**
  - **Environmental performance (Mandate M/350)**
  - **Social performance**
  - **Economic performance**
- **Life cycle approach with the quantitative indicators**
- **Taking into account also the wishes/needs of the relevant policies of the EC & EP related to the Construction products (Construction Products Regulation, Eco-design, Greening Public Procurement, Energy-label, Eco-label, Energy Performance of Buildings, Lead Market Initiative on Sustainable Construction, European Platform on LCA)**
- **Prevention of potential technical trade barriers, internal and international market (= linking harmonized EPD to the CE-marking)**

# Prevention of potential technical trade barriers in EU: CEN/TC350 is providing indicators, methods and communication provisions; no policy making



# Standards of CEN/TC350 and related horizontal ISO and CEN standards



Framework level	prEN 15643-1 Sustainability Assessment of Buildings - General Framework (TG)				
	prEN 15643-2 Framework for Environmental Performance (TG)	prEN 15643-3 Framework for Social Performance (WG5)	prEN 15643-4 Framework for Economic Performance (WG4)	Technical Characteristics	Functionality
	Framework for Methods of Assessment of Environmental Performance (ISO/FDIS 21931-1)			Service Life Planning – General Principles (ISO 15686-1)	
Calculation methods for Building level	WI 002 Assessment of Environmental Performance (WG1)	Assessment of Social Performance (WG5)	Assessment of Economic Performance (WG4)	CEN Standards on Energy Performance of Buildings Directive (EPBD)	
	WI 003 Use of EPDs (WG1)		Life Cycle Costing (ISO 15686-5)		
Rules for Product level	prEN 15804 Environmental Product Declarations (WG3)	(?)	(?)	Service Life Prediction (ISO 15686-2), Feedback from Practice (ISO 15686-7), Reference Service Life (ISO 15686-8)	
	EPD of Build. Products (ISO 21930)				
	prEN 15942 Comm. Format B-to-B (WG3)				
	prCEN/TR 15941				

# Environmental indicators in CEN/TC350



## 1) Output indicators for environmental impacts:

- Climate change
  - Destruction of the stratospheric ozone layer
  - Acidification of land and water resources
  - Eutrophication
  - Formation of ground level ozone
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## 2) Input indicators for material and energy flows:

- Use of non-renewable materials
  - Use of renewable materials
  - Use of non-renewable primary energy
  - Use of renewable primary energy
  - Use of freshwater resources
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## 3) Output indicators for material and energy flows:

- Materials for recycling
- Materials for energy recovery
- Non-hazardous waste to disposal
- Hazardous waste to disposal
- Radioactive waste to disposal

# Road map to cover BWR7 in the harmonized product standards with the horizontal and performance based approach

