



Ministerie van Binnenlandse Zaken en  
Koninkrijksrelaties

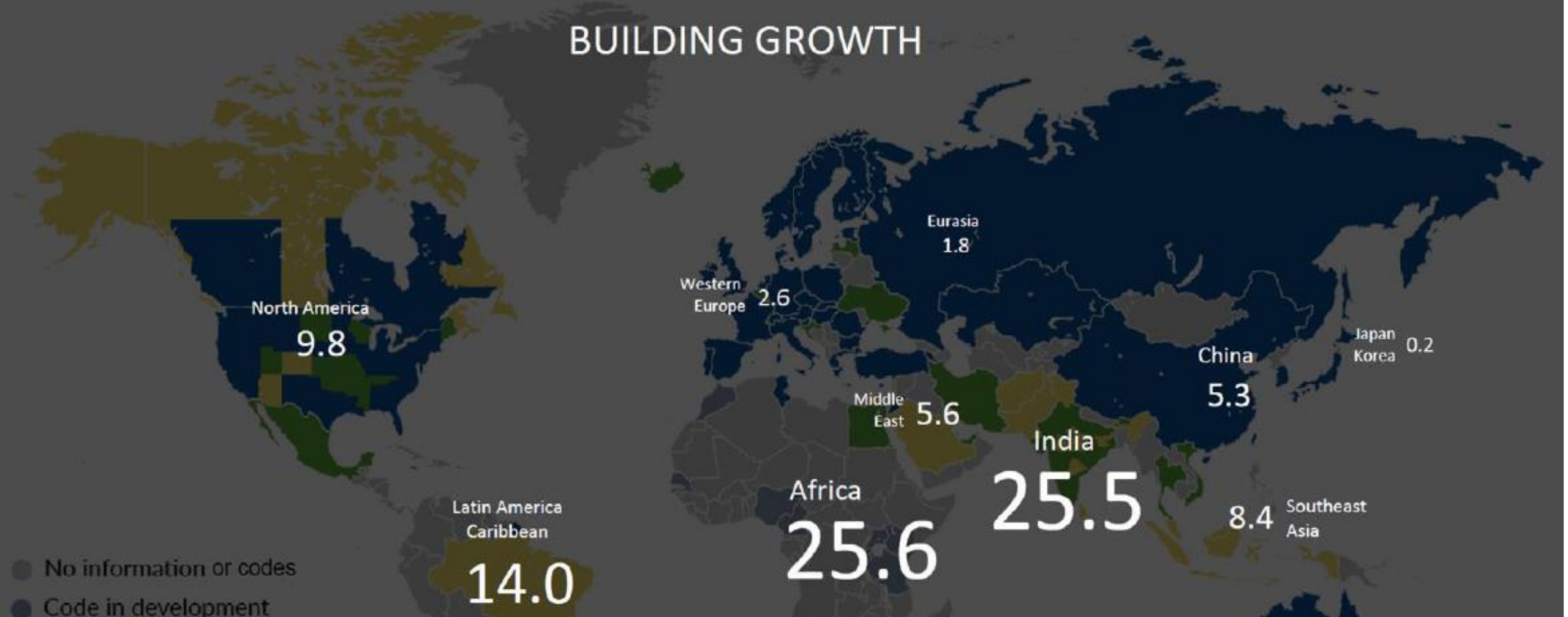
# Europese Verordening Bouwproducten (CPR)

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# BUILDING GROWTH



- No information or codes
- Code in development

## GLOBAL BUILDING STOCK DOUBLES IN FEW DECADES

- Mandatory energy codes for the whole sector

Building Floor Area Growth 2030 to 2050 (Billion m<sup>2</sup>)

Source: Architecture 2030; Global ABC, Global Status Report 2016





**IT'S EQUAL TO BUILDING ONE NYC EVERY MONTH**



# This construction boom causes ~10 gigatons of embodied carbon annually

Een gigaton komt overeen met:

1000 megaton  
1 000 000 kiloton  
1 000 000 000 ton

**CEMENT**  
4 gigatons  
~10 % of all

**STEEL**  
3 gigatons  
~6 % of all

**ALUMINIUM**  
1 gigaton  
~2 % of all

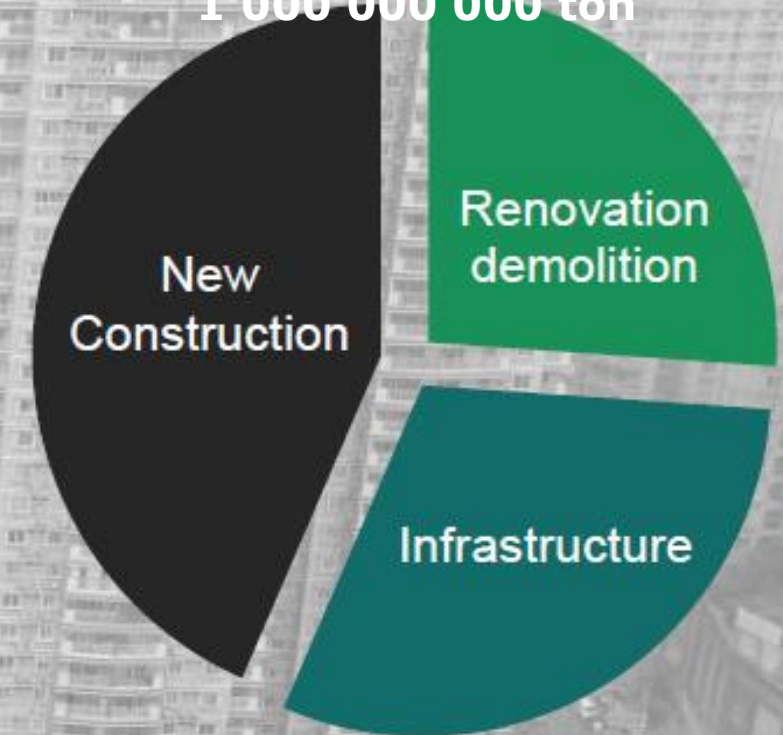
**PLASTIC\***  
1 gigaton  
~2 % of all

**OTHER MATERIALS**

**MACHINERY & TRANSPORT**

? (all transport ~7Gt)

**END OF LIFE**



# Herziening CPR



- Doelstellingen ->
  - Interne markt: geen handelsbelemmeringen (circa 500 miljard Euro);
  - **Verduurzaming bouwproducten;**



## 19 Milieu indicatoren

Impact category	Unit
Climate change – total	kg CO2-eq.
Climate change – fossil	kg CO2-eq.
Climate change – biogenic	kg CO2-eq.
Climate change – land use and change to land use	kg CO2-eq.
Ozone layer depletion	kg CFC11-eq.
Acidification	mol H+-eq.
Freshwater eutrophication	kg PO4-eq.
Seawater eutrophication	kg N-eq.
Land eutrophication	mol N-eq.
Photochemical ozone formation	kg NMVOC-eq.
Depletion of abiotic raw materials, minerals, and metals	kg Sb-eq.
Depletion of abiotic raw materials Fossil fuels	MJ, net cal. val.
Water use	m3 world eq.
Fine particulate emissions	Illness incidence
Ionizing radiation	kBq U235-eq.
Ecotoxicity (freshwater)	CTUe
Human toxicity, carcinogenic	CTUh
Human toxicity, non-carcinogenic	CTUh
Land-use related impact/soil quality	Dimensionless



# Duurzame bouwproducten..



# Losmaakbare bouwproducten..

