

World Ceramic Tiles Forum – National Context

European Union

Shanghai Nov 2014



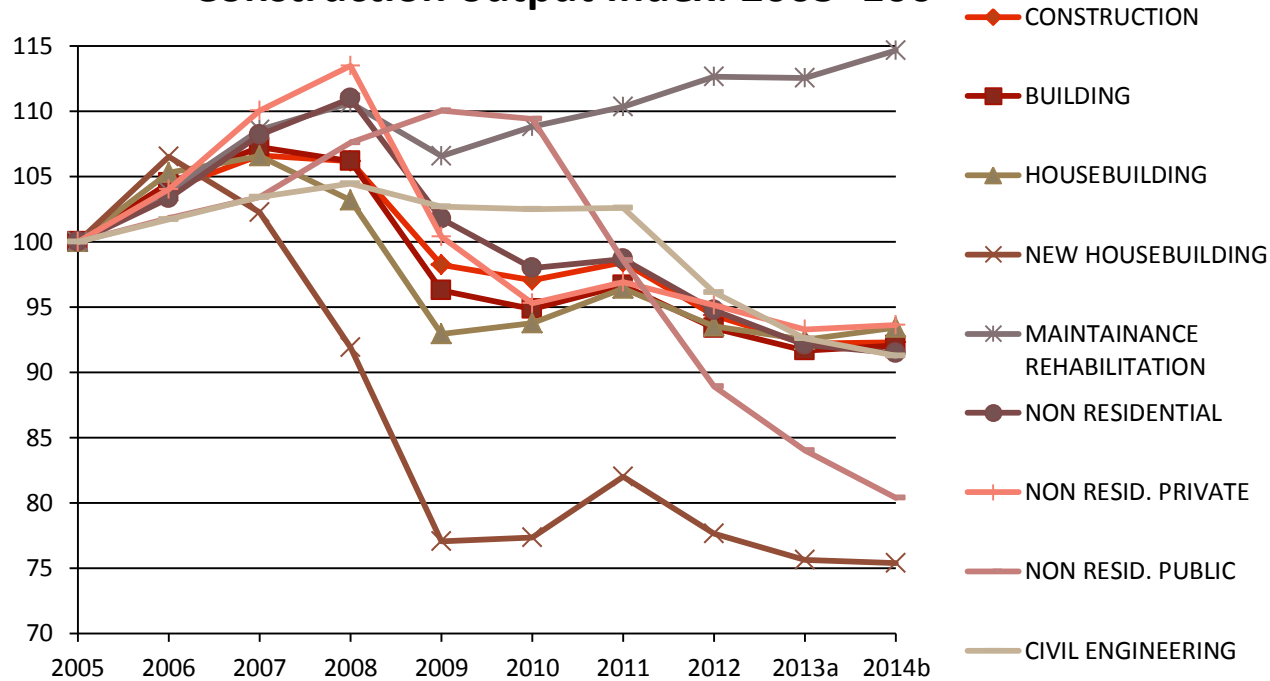
European Union context



- I. Trend in the construction sector
- II. Trend in sales and trade in ceramic tiles
- III. Latest developments at EU-level in energy supply regulation and taxation
- IV. Development in standardisation or regulation at EU-level affecting ceramic tiles

I. Trend in the construction sector

Construction output Index: 2005=100



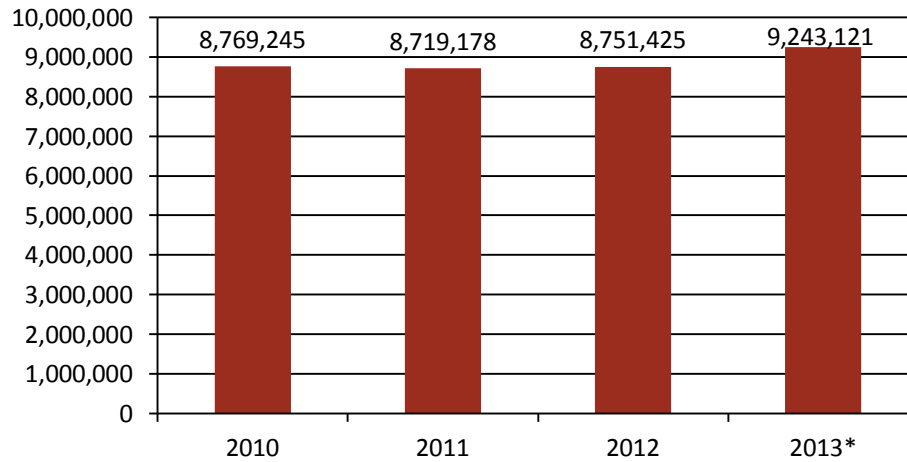
	Construction	Building	House building	New house building	Maintainance rehabilitation	Non - residential	Non-resid. Private	Non-resid. public	Civil engineering
2012	-4,1	-3,4	-3,0	-5,3	2,1	-4,0	-1,8	-9,8	-6,3
2013	-2,3	-1,8	-1,1	-2,6	-0,1	-2,8	-2,0	-5,5	-3,7

Source: FIEC

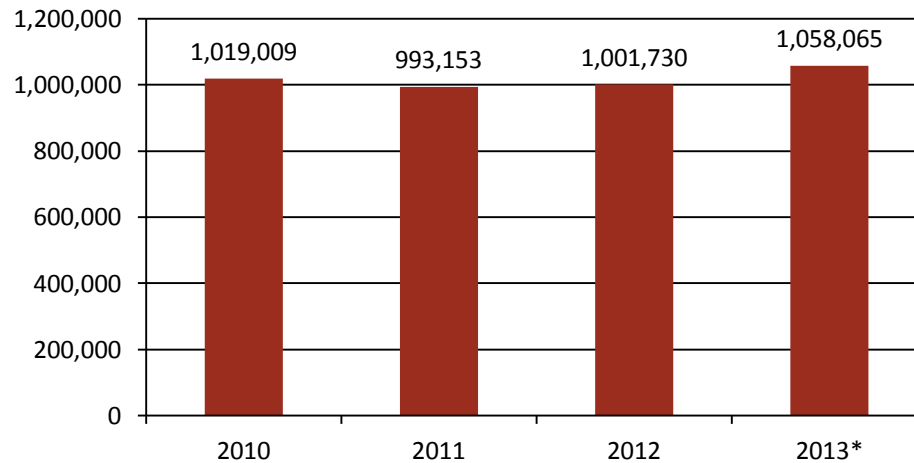
II. Trend in sales 2010 - 2013



EU sales in 1000 €



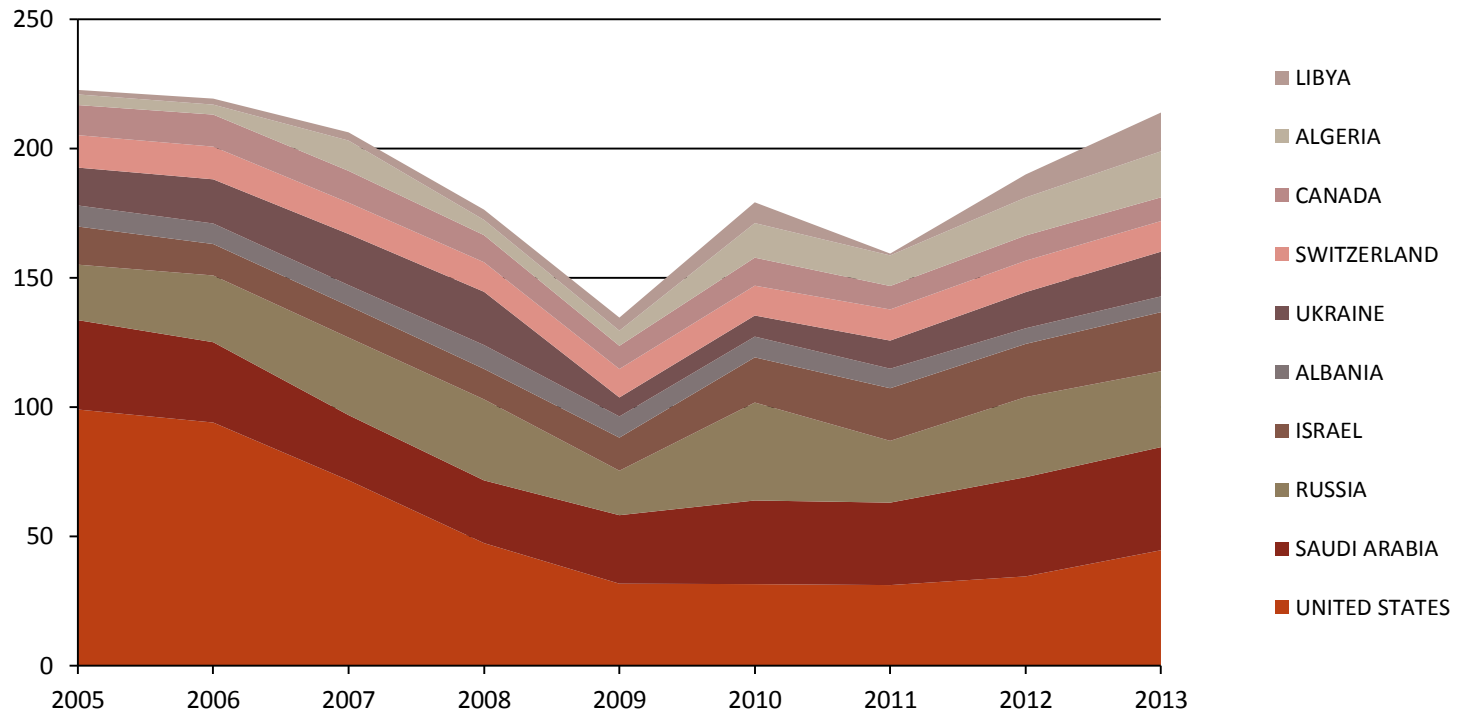
EU sales in 1000 m²



II. Trend in exports 2005 - 2013



Top 10 Exporting countries 2005-2013 (M sq. m)



Source: Eurostat

III. Latest developments at EU-level in energy supply regulation and taxation



2020 Climate and Energy targets

- **Greenhouse gas reductions:**
 - 20% (below 1990 levels)
 - 21% for ETS sectors (power and industry power) below 2005 levels
 - 10% for non-ETS sectors (transport, buildings, agriculture) below 2005 levels
- **Use of renewable energy sources:**
 - 27% of energy consumption
- **Energy efficiency:**
 - 27% (indicative) (compared to business as usual scenario)
 - Revision in 2020 “having in mind an EU level of 30%”

III. Latest developments at EU-level in energy supply regulation and taxation



2030 Climate and Energy targets

- **GHG :**
 - 40% by 2030 (below 1990 levels)
 - 43% for ETS sectors (power and industry power) below 2005 levels
 - 30% for non-ETS sectors (transport, buildings, agriculture) below 2005 levels
- **Use of renewable energy sources:**
 - 27% of energy consumption
- **Energy efficiency:**
 - 30% (indicative) (compared to business as usual scenario)

IV. Developments at EU-level affecting ceramic tiles – resource efficiency

Circular Economy

- European Commission communication on circular economy (COM(2014) 398) aims at common and coherent framework to promote a circular economy
- **Objective:** Ensure economic growth while decreasing dependency on resource use and contributing to a better environment
- Decision about 30% resource efficiency target in early 2015

Resource efficiency opportunities in the building sector

- **Objectives:** Promote a more efficient use of resources; Reduce the overall impacts throughout the full life cycle; New and renovated commercial, residential and public buildings
- **Reduction of resource use in buildings through:** Better design/project planning; Resource efficient manufacturing; Recycling/reuse: improve the efficient use of materials

IV. Developments at EU-level affecting ceramic tiles – construction product regulation (CPR)

- **CPR:** applies to construction products covered harmonised EU standards
- **February 2014:** delegated act to supply Declaration of Performance (DoP) on websites published in Official Journal of the EU
- DoPs can now be made available on:
 - **Websites**
 - Paper form
 - Electronic means (e.g. email, fax, QR-code)
- **Implementation of the Basic Requirement Construction Works 7:**
 - Commission investigation: **EPDs, PEF, ISO standards?**
 - **Goal:** coherent and flexible framework
 - **Current status:** no national regulatory requirements for obligatory performance declarations
 - **Consultation 2014-2015:** member states and stakeholders
 - **Late 2015:** technical aspects of BRCW7

IV. Developments at EU-level affecting ceramic tiles – ECO platform

- **Objective:**

- Development common core EPD construction products through a consistent implementation of EPD according to EN 15804
- Development common European format for EPD's core-data
- Rules for mutual recognition across EU

- **EPDs: input for Rating Schemes from products**

- **ECO Platform** does not act as EPD programme itself

- **Membership:** 30 members (EPD program operators, EU associations, LCA practitioners, green building schemes)

- **Cerame-Unie: founding member**



IV. Developments at EU-level affecting ceramic tiles – ECO platform

EPDs



Green Building Rating Schemes