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+5
4

XVII International WoodEMA 2024 Scientific Conference

GREEN DEAL INITIATIVES, SUSTAINABLE MANAGEMENT, MARKET DEMANDS, AND NEW PRODUCTION PERSPECTIVES IN THE FORESTRY-BASED SECTOR

Sofia, 15-17 May 2024

Title of the paper: *The importance of non-EU-27 Countries in Supplying the EU-27 Market with Wooden Pallets*

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CONTENT:

METHODOLOGY

Eurostat database:

Chapter 44: "Wood and articles of wood"

441520: "Pallets, box pallets, and other load boards, of wood; pallet collars of wood (excl. containers specially designed and equipped for one or more modes of transport)".

HS 44152020: Pallets and pallet collars, of wood.

<https://ec.europa.eu/eurostat/comext/newxtweb/setupdimselection.do#>

INTRODUCTION

EU-27 market: wooden pallets
2010 - EUTR; 2023: EUDR;

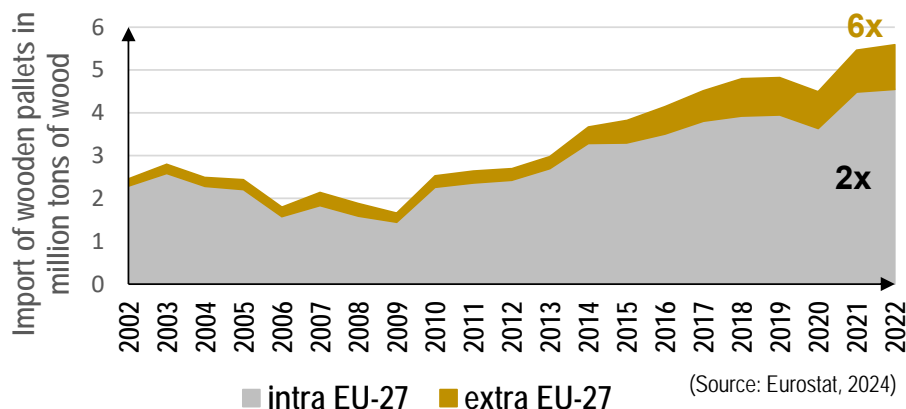
"The Deforestation Regulation is part of the **EUROPEAN GREEN DEAL INITIATIVE** and aims to ensure that EU consumption does not contribute to global deforestation and forest degradation arising from agricultural expansion linked to the relevant commodities"

- EUTR is repealed with effect from 30 December 2024;
- EUTR shall continue to apply until 31 December 2027 to timber and timber products that were produced before 29 June 2023 and placed on the market from 30 December 2024;
- Annex I of the EUDR.

RESULTS AND DISCUSSION

- the market supply in the EU-27: intra EU-27 + extra EU-27;
- the main non-EU-27 countries for supplying of EU-27 market;
- the role of SEE countries in supplying EU-27 market;
- the most commonly used types of wooden pallets on the EU-27 market and their characteristics.

EU-27 market supply with wooden pallets and collars



TOTAL IMPORT (INTRA EU-27 + EXTRA EU-27):
2002: 2.5 mill. tons of wood --- 2022: 5.6 mill tons of wood
(Source: Eurostat, 2024)

INTRA EU-27 (Source: Eurostat, 2024)
2002: 2.2 mill. tons of wood
2022: 4.5 mill. tons of wood

EXTRA EU-27 (Source: Eurostat, 2024)
2002: 0.17 mill. tons of wood
2022: 1.04 mill. tons of wood

2002 INTRA EU-27: EXTRA EU-27
93 % : 7 %

2022 INTRA EU-27: EXTRA EU-27
81.4 % : 18.6 %

The total import value of wooden pallets and collars into the EU-27

THE TOTAL IMPORT VALUE (INTRA EU-27 + EXTRA EU-27):
2002: 0.61 billion € → 2022: 3.33 billion € (Source: Eurostat, 2024)

INTRA EU-27 (Source: Eurostat, 2024)
2022: € 2.8 billion
2002: € 562.5 million → 5x

EXTRA EU-27 (Source: Eurostat, 2024)
2022: € 524 million
2002: € 42.3 million → 12.4x

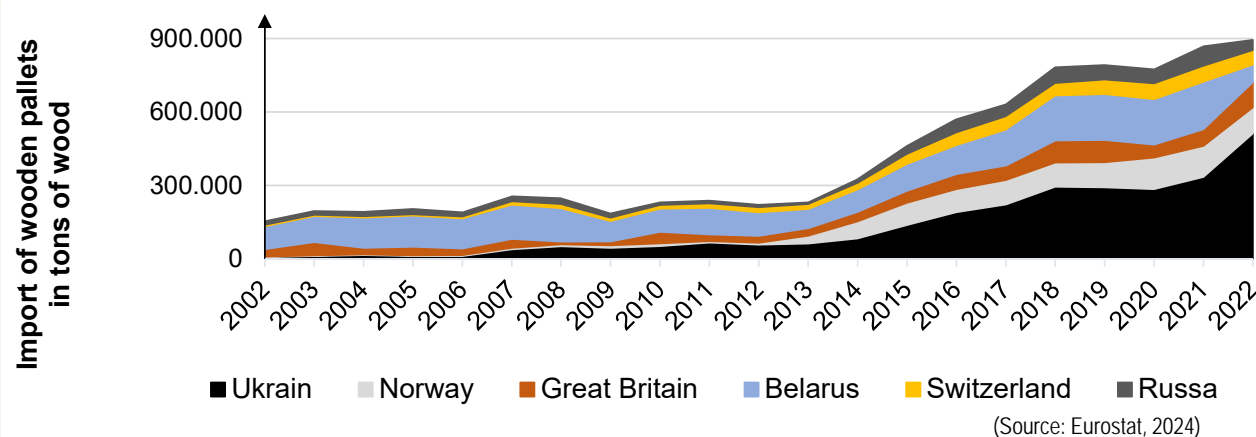
2002

2022

INTRA EU-27: EXTRA EU-27
93 % : 7 %

INTRA EU-27: EXTRA EU-27
84.3 % : 15.7 %

The main non-EU countries for supplying the EU-27 market



The import value of wooden pallets and collars into the EU-27 from 6 largest suppliers:

2002: €38 million --- 2022: € 437.5 million

(Source: Eurostat, 2024)

	2002	2021	2022
	in million €		
Ukraine	1.4	137.7	263.7
Belarus	15.2	61.2	28.7
Russia	3.0	32.8	19.9

6 non-EU-27 countries

2002: 89.9%

2022: 85.9%

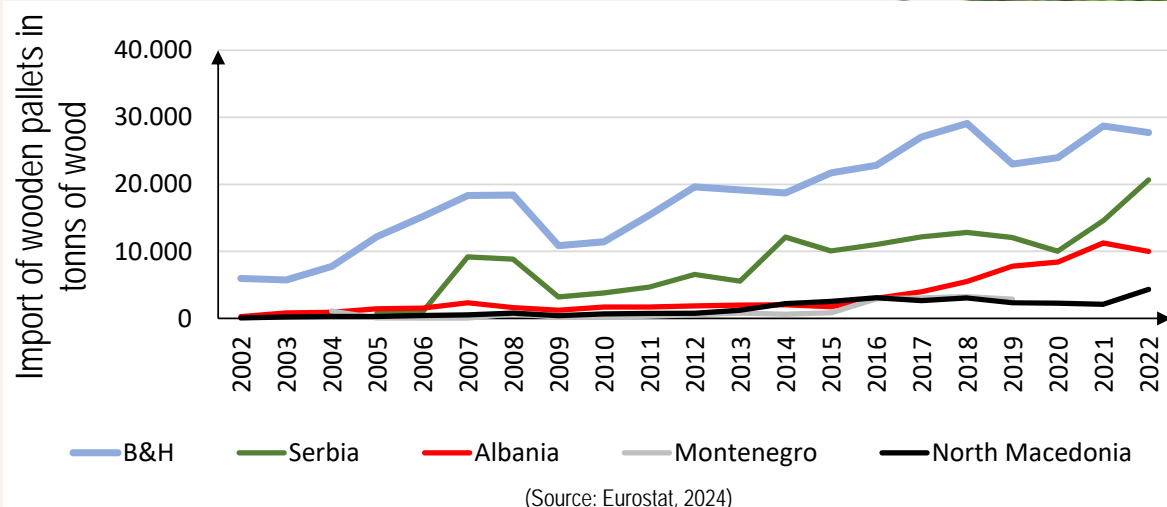
- 2015
1. Belarus: 54.4%;
 2. Great Britain: 17.8%;
 3. Russia: 8.5%;
 4. Ukraine: 4.4%;
 5. Switzerland: 3.5%;
 6. Norway: 1.3%.

1. Ukraine: 49.2%;
2. Norway: 10.2%;
3. Great Britain: 9.9%;
4. Belarus: 6.9%;
5. Switzerland: 5.8%;
6. Russia: 3.9%.

2021 / 2022

Ukraine: 53.1%;
Belarus: 63.2%;
Russia: 48.3%.

The importance of SEE countries in supplying the EU-27 market



2002: 3.7% of imports from non-EU countries;
 2021: 5.9 % of imports from non-EU countries;
 2022: 6.3 % of imports from non-EU countries (65.000 tons of wood).

B&H:
 2022: 27,717 tons of wood

Serbia:
 2022: 20,660 tons of wood

Albania:
 2022: 10,011 tons of wood

North Macedonia:
 2022: 4,338 tons of wood

Montenegro:
 2022: 2,774 tons of wood.

The import value in 2022

B&H: € 15.4 mill.

Serbia: € 13.5 mill.

Albania: € 5.0 mill.

North Macedonia: € 2.0 mill.

Montenegro: € 1.4 mill.

Total: 2002-2022

€ 1.2 mill. ---- € 32.4 mill.

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The wooden pallets market in the EU-27

EPAL EURO PALLET (EPAL 1)



Source: <https://www.epal-pallets.org/eu-en/load-carriers/epal-euro-pallet>

SPECIFICATIONS

Boards: 11

Nails: 78

Blocks: 9

Length: 800 mm

Width: 1,200 mm

Height: 144 mm

Weight: approx. 25 kg

Safe working load: 1,500 kg

Maximum additional load: 4,000 kg when stacking

Produced according to the EPAL technical regulations

Source: <https://www.epal-pallets.org/eu-en/load-carriers/epal-euro-pallet>

EPAL Euro Pallet

EPAL Euro Pallet QR

EPAL 2 Pallet

EPAL 3 Pallet

EPAL 6 Half Pallet

EPAL 7 Half Pallet

EPAL Box Pallet

NEW EPAL CP PALLETS

Source: <https://www.epal-pallets.org/eu-en/load-carriers/epal-euro-pallet>



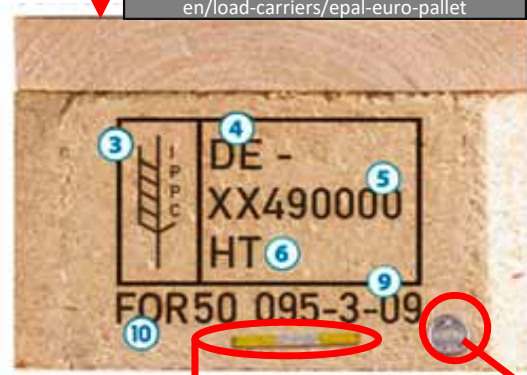
Right corner block



- 1/2 branded markings of the European Pallet Association
- 3 IPPC branded marking in accordance with the national plant protection rules
- 4 Country code
- 5 Registration number of the responsible Plant Protection Authority
- 6 Method of treatment (heat treatment)
- 7 EPAL control staple (mandatory)
- 8 Repair marking nail (only present if the pallet is a repaired EPAL pallet)
- 9 Licence number – Year – Month
- 10 FOR50

Source: <https://www.epal-pallets.org/eu-en/load-carriers/epal-euro-pallet>

Left corner block



- A, B or C quality class
- I and II are used

- new wooden EPAL pallets and elements;
disposable pallets - differ in the number of
boards and blocks, load capacity and stability

QUALITY CLASSES OF WOODEN PALLETS

According to the rules of the Association:

- unused wooden pallets are classified as "new";
- used pallets: quality classes A, B or C.
- damaged pallets that and can no longer be used are classified as "not fit for use",
- mixed pallets of all types are classified as "unsorted".

The moisture content of the wood is only prescribed for new pallets and it is up to 22% (<https://www.enal-pallets.org/eu-en/translate-to-en-qualitaet-und-tausch/translate-to-en-qualitaetsklassifizierung>).

European Waste Catalog:

- wooden pallets are classified in waste category 15, subcategory 1501: Packaging;
- 150103: wooden packaging, including pallets that have not been chemically treated.

Germany: AI, AII, AIII and AIV of wood waste;

- quality class AI: euro pallets from solid wood;
- chemically untreated and bark-free wooden pallets: for the production of wood pellets, briquettes and chips of quality class B;
- chemically untreated and chemically treated wooden pallets bark-free: for the production of hog fuel and chips for industrial purposes.



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20
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**THANK YOU FOR
YOUR ATTENTION!**

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