

# Green EUTM study – 2023 update



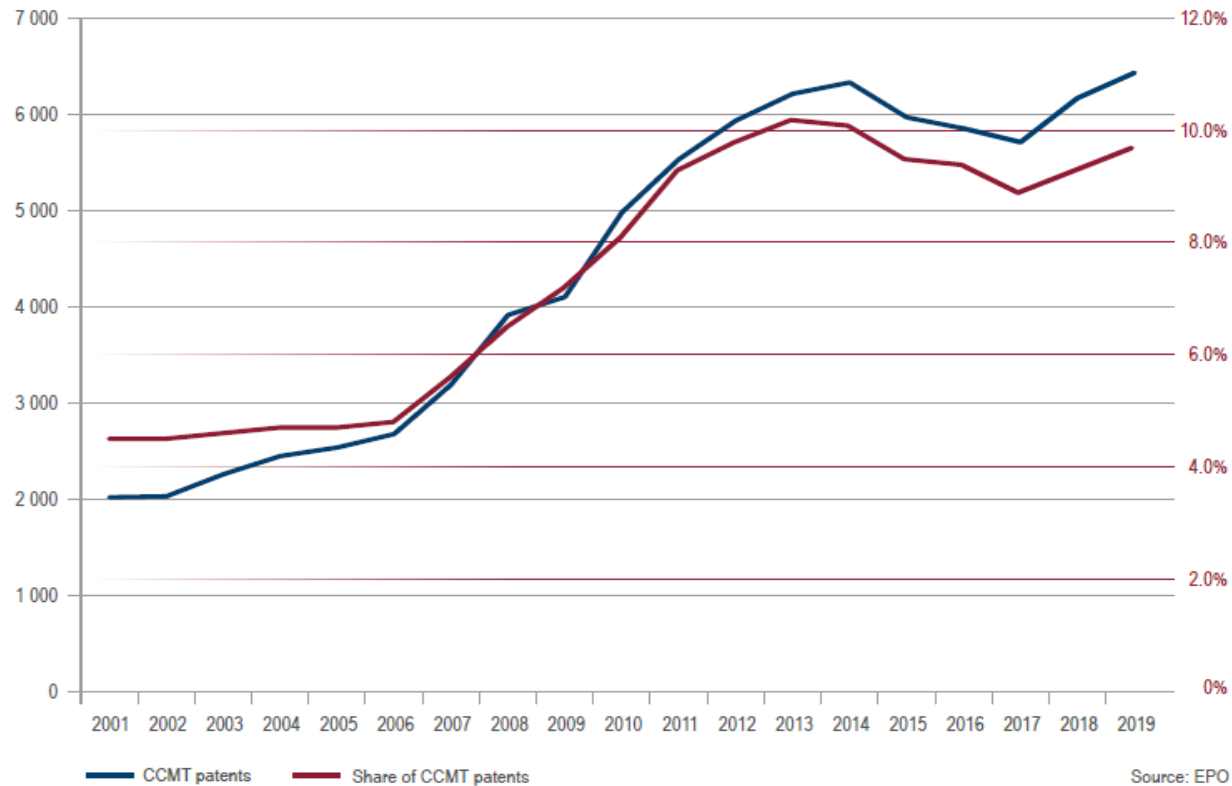
AL-Invest Verde Virtual Seminar  
26 September 2024

Nathan Wajsman, Chief Economist, EUIPO

# IPR support green innovation

Traditional measure: patents in relevant technologies

Figure 4:  
Number and share of CCMT patent applications filed by EU applicants at the EPO between 2001 and 2019



## IPR support green innovation

Traditional measure: patents in relevant technologies

The EPO's Y02/Y04S tagging scheme for CCMT-related\* patent documents

- Y02B CCMTs relating to buildings
- Y02C Greenhouse gas capture and storage
- Y02D Energy use reduction in ICT
- Y02E Energy generation, storage and distribution
- Y02P CCMTs in production
- Y02T CCMTs relating to transportation
- Y02W CCMTs in waste and wastewater treatment
- Y04S Smart grids

\* *Climate Change Mitigating Technologies*

## Trade marks can also be an indicator of green innovation

...so we decided to look at EUTMs in the relevant product categories:

- Energy production
- Transportation
- Energy conservation
- Reuse/recycling
- Pollution control
- Waste management
- Agriculture
- Environmental awareness
- Climate change

## Purpose of the study

To examine the Goods & Services descriptions in all EUTM filings since 1996 to determine their relation to the **protection of the environment and sustainability** in line with the EU Green Deal



## Data used

- EUIPO register: more than 80 million terms in almost 2.2 million CTM/EUTM applications
- Harmonised Database: 86,000 terms (that have already been accepted by all IP offices in the EU)
  - 61,000 unique terms (Main) and 25,000 synonyms

## Methodology and definitions

Two main elements:

- **Inventory of Harmonised Green terms**
  - 904 terms classified in 9 groups and 35 categories
- **Green Classifier**
  - Algorithm that infers which terms in any TM are green and assigns them to one of the categories

A “Green EUTM” contains at least one green term in its G&S description

## Methodology: Green expressions

A set of green expressions was defined to find and classify the green terms in EUTMs.

Examples:

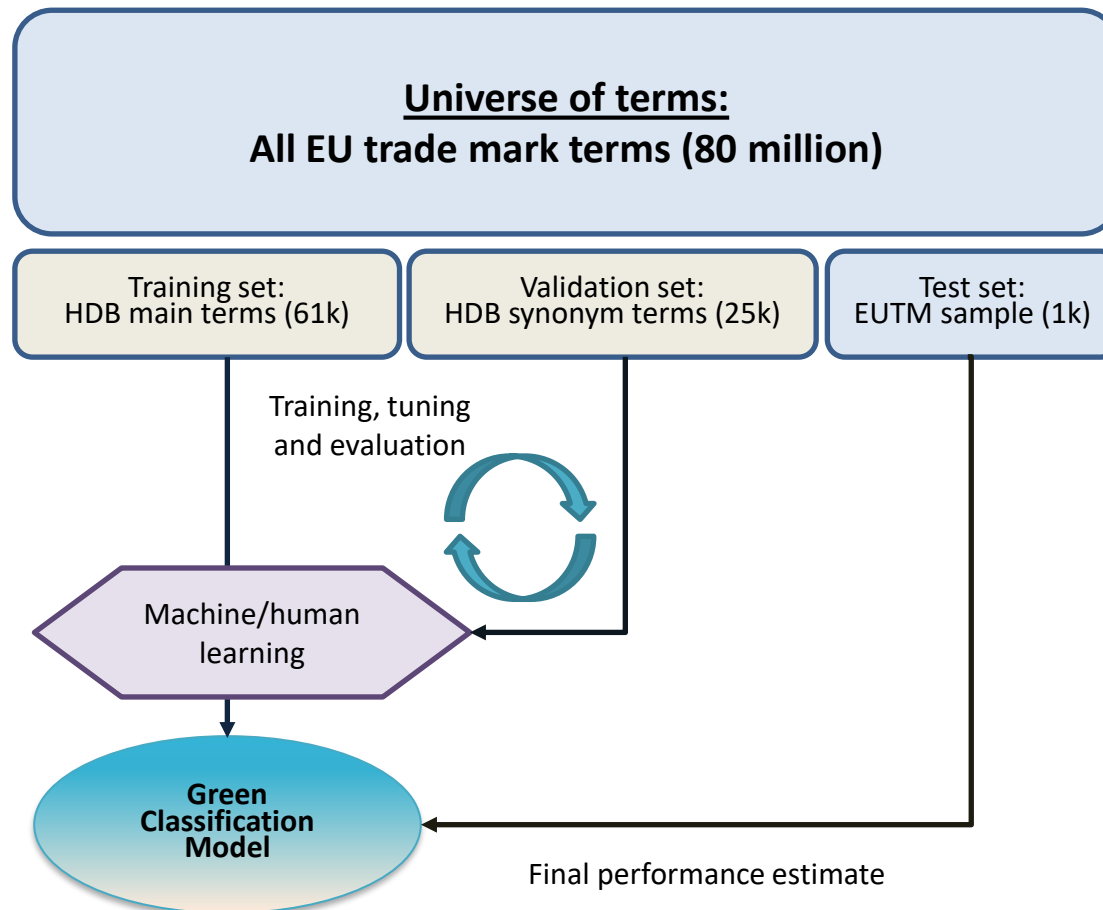
Green expression	Category	Group
+photovoltaic	Solar energy	Energy production
+solar +heating		
+wind.energy	Wind energy	
+wind +turbine		
+electric.car –washer	Electric car	Transportation
+carbon +monitor –10	Carbon monitor	Climate change

→ This term is “green” except if it is in Class 10 (medical instruments)

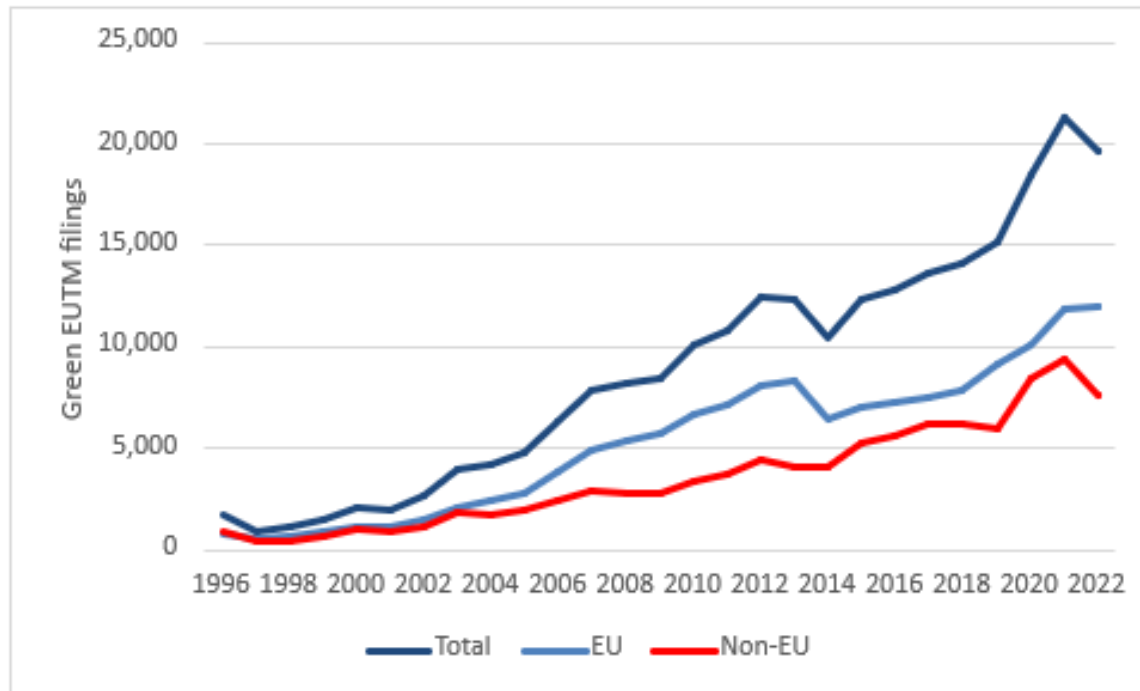


# Development of the algorithm to identify Green EUTMs

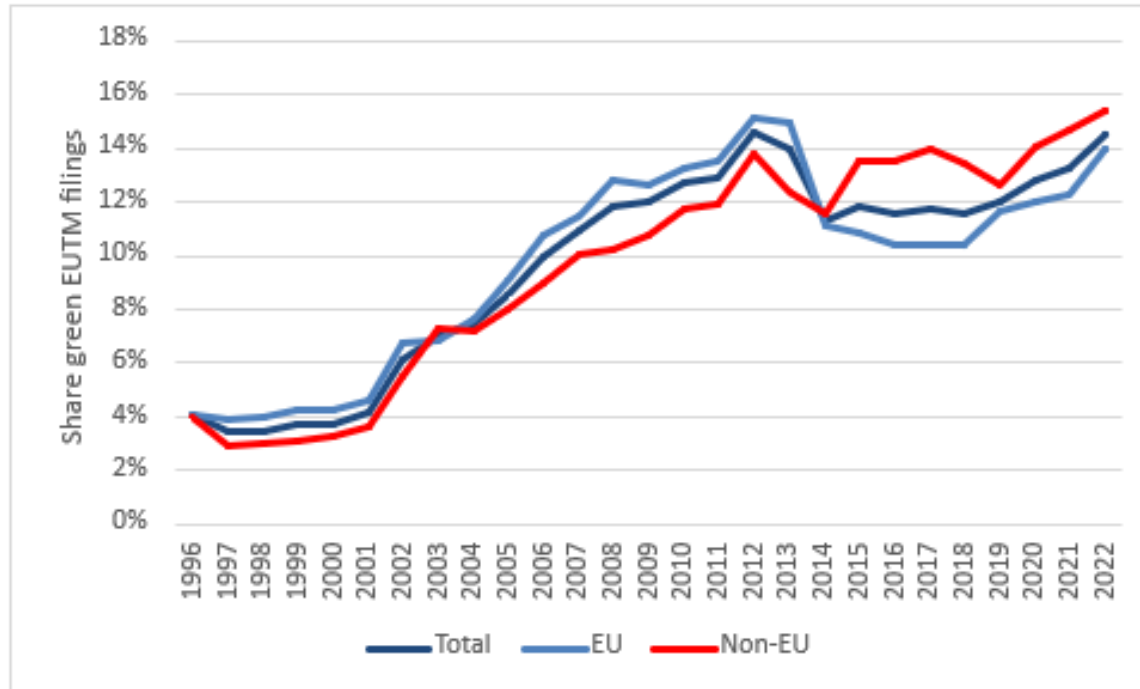
## *Machine-supported learning*



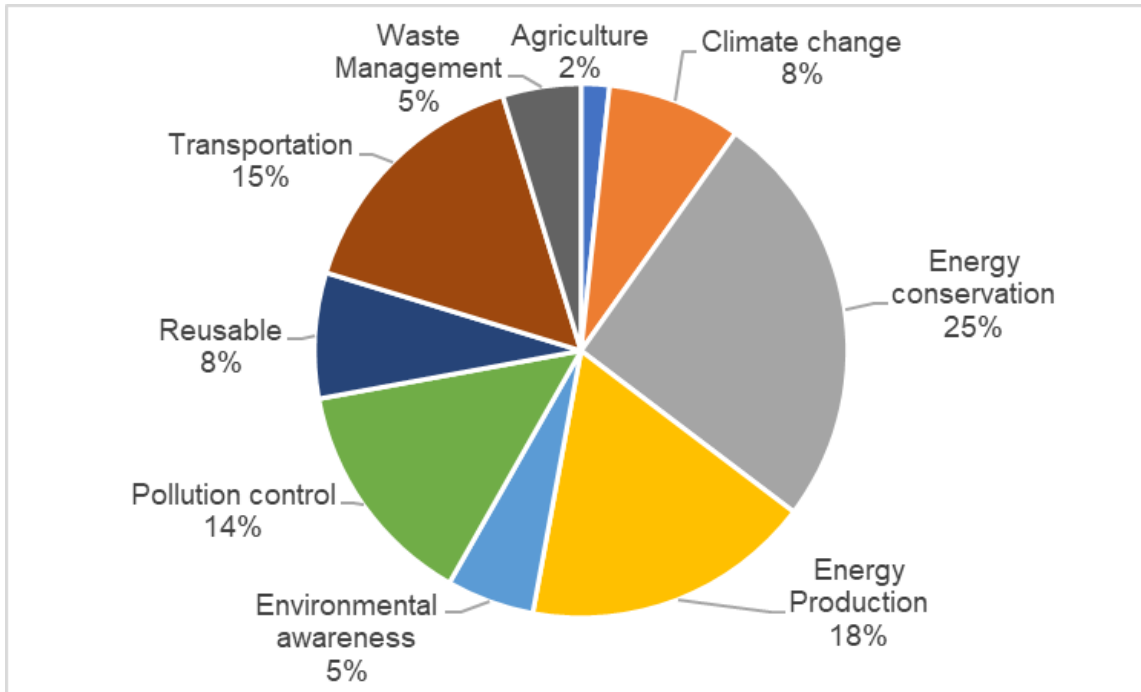
## Green EUTM filings, 1996-2022



## Share of green EUTM filings, 1996-2022

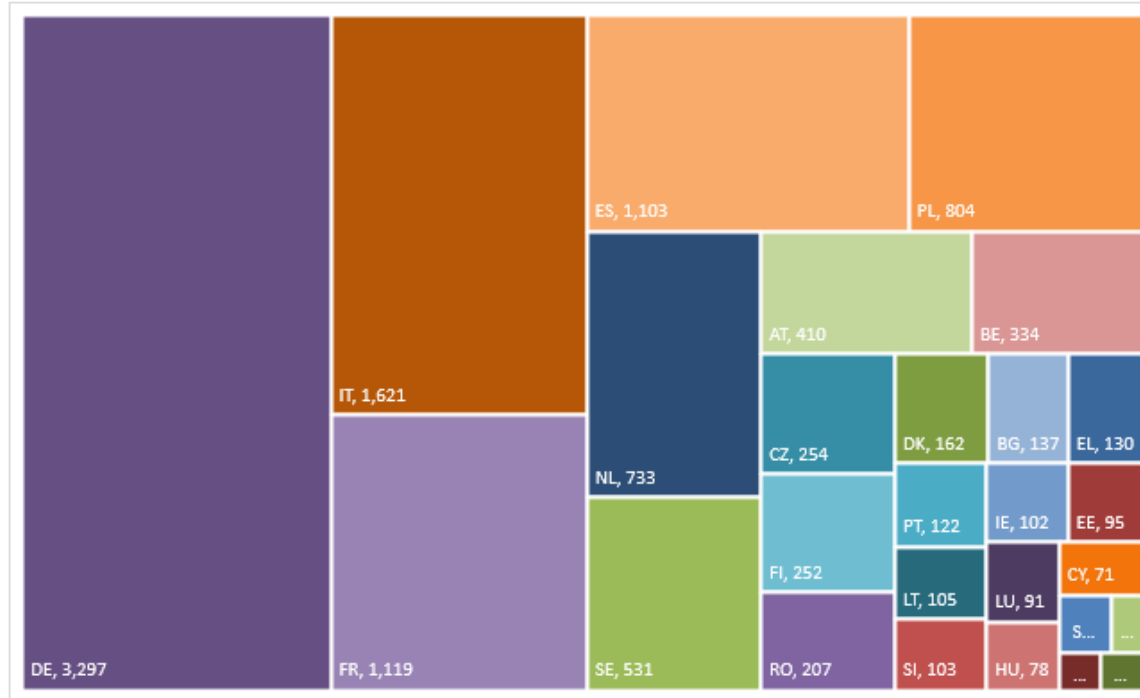


## Green terms by main product group, 2022

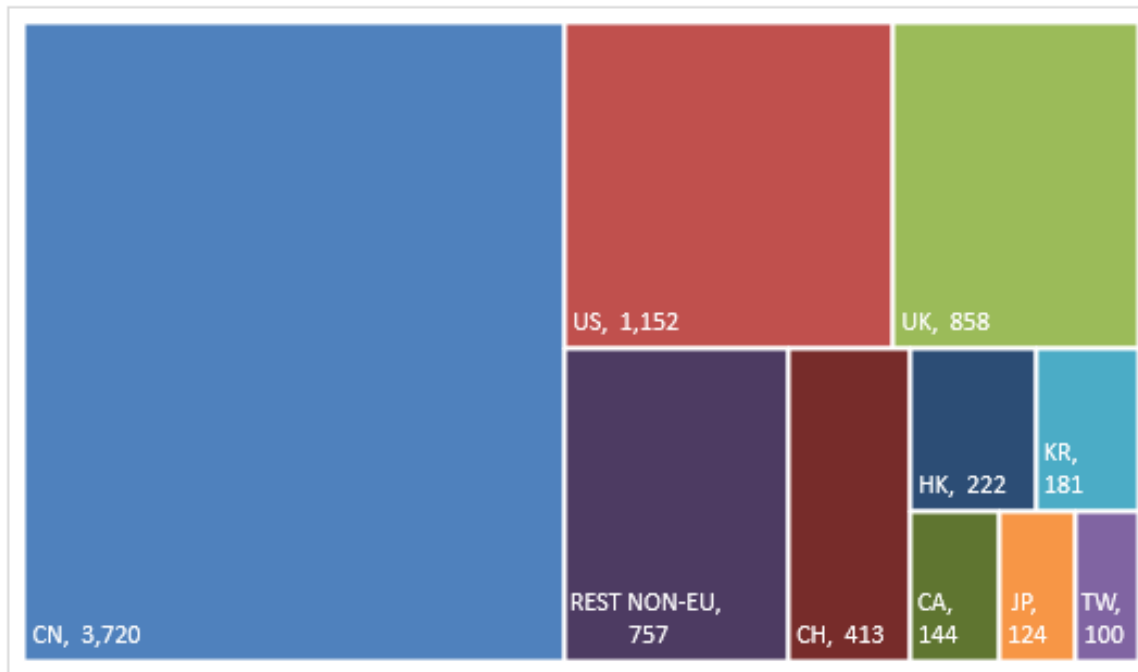


Energy conservation  
Energy production  
Environmental awareness  
Pollution control  
Reusable  
Transportation  
Waste management  
Agriculture  
Climate change

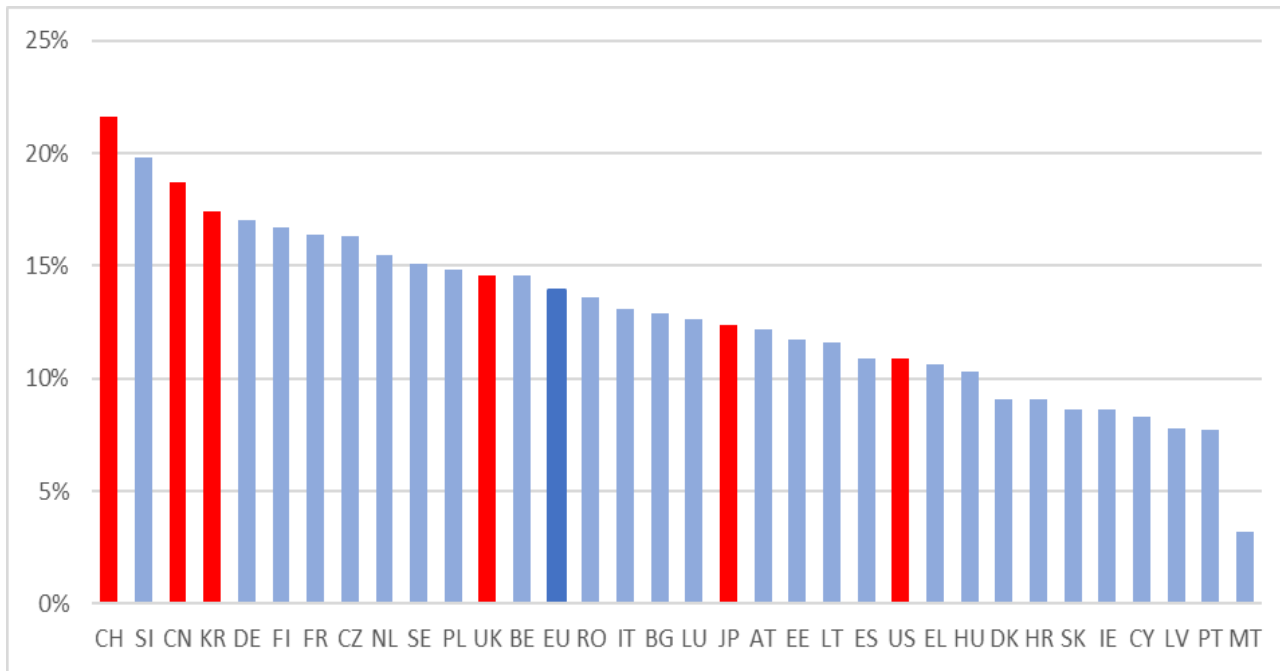
## Green EUTM filings by EU member states, 2022



## Green EUTM filings by non-EU countries, 2022



## Share of green EUTMs in filings from selected countries, 2022



The full study is here. An executive summary in Portuguese is also available.



[www.euipo.europa.eu](http://www.euipo.europa.eu)



---

@EU\_IPO



---

EUIPO

Thank you