

Customs Laboratories European Network

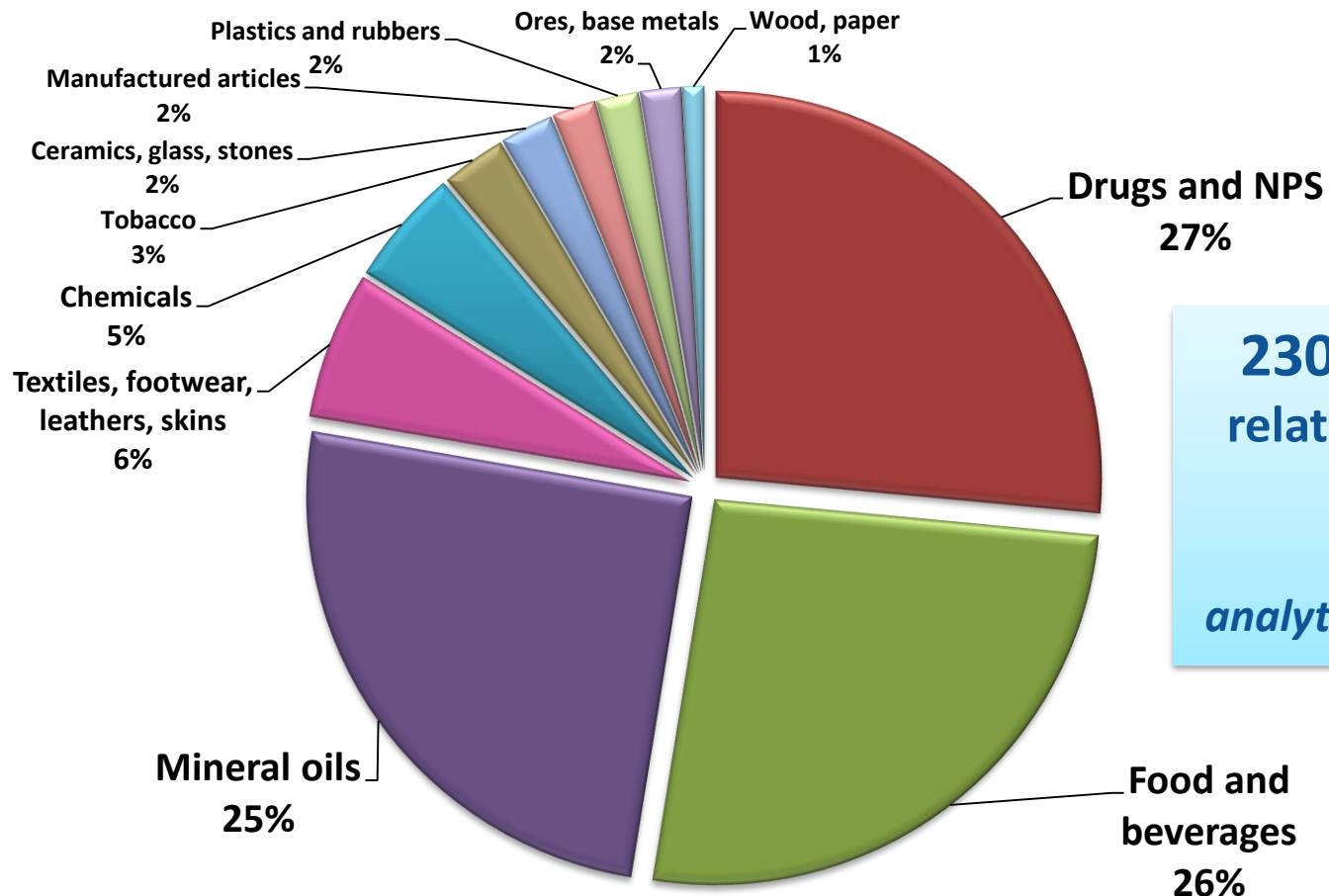
Activities of the EU customs laboratories in the field of cannabis and cannabinoids



European Commission

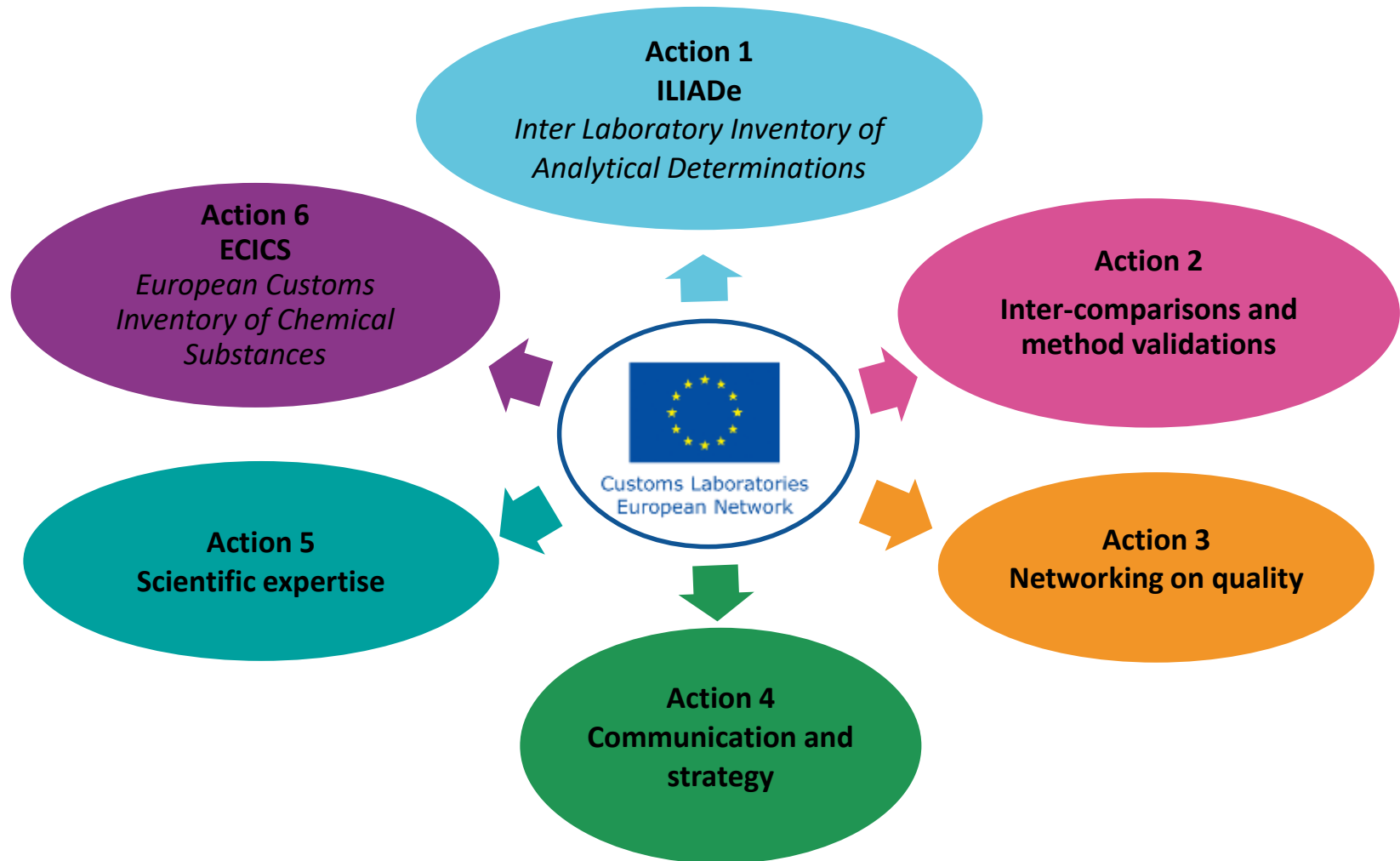
Directorate General Taxation and Customs Union

Samples Analysed per Type of Product*



230 000 samples
related to Customs &
Excise tasks
710 000
analytical determinations

CLEN ACTIONS



CLEN Webinar on Cannabis and Cannabinoids

- *Cannabis is a usual activity: 25 000 samples analysed in 2019*
- *Increasing trade in cannabis products, licit or illicit (flowers, extracts, medicine, cosmetics, oil, food, e-liquids, fibres...)*
- *THC is a controlled substance, necessity to put on the market only products with the lawful THC content*
- *Difficulties to quantify THC: different situations in the MS and third countries, different definitions (with THCA ?), complex natural product with many cannabinoids, low to very low levels (e.g. 0,6 - 0,2 - 0,0002 %)*
- *Webinar on 20, 21 and 22 October 2020, 99 participants from MS + CA, JP, NO, UK, US, from customs labs + police, health and industry*

CLEN Webinar on Cannabis and Cannabinoids

Main objectives:

- *Get a view of the plant and of the various products*
- *List and discuss the analytical difficulties for their control and the analytical methods/instruments available, including front line testing*
- *List existing ring tests and reference materials and discuss the design of a CLEN inter-laboratory test on cannabinoids*

Overall expected outcome:

- *Harmonise practices and improve performances of customs labs in the analytical determination of cannabinoids and in particular for the control of THC in products containing CBD*

Next step: inter-laboratory test on cannabinoids

- *6 products: dried flower in powder, CBD in oil, cookie powder containing an extract, each time with low and high level of THC*
- *Routine methods (GC-MS, GC, HPLC) but also LC-HRMS and NMR*
- *Starting end of February, results in summer*
- *For customs labs + some other labs*
- *At the end: no policy decision but harmonised practices, improvement of methods, improvement of performances and knowledge of what is feasible and not feasible*

European **Cu**stoms **La**boratories:
Europium Copper Lanthanum

experience you can rely on



USEFUL LINKS

- ☐ **European Customs Laboratories**
https://ec.europa.eu/taxation_customs/business/customs-controls/eu-customs-laboratories_en
- ☐ **ILIADe – CLEN methods**
https://ec.europa.eu/taxation_customs/sites/taxation/files/action-1-iliade.pdf
- ☐ **SAMANCTA**
http://ec.europa.eu/taxation_customs/dds2/SAMANCTA/
- ☐ **CLET**
<http://www.clet.eu/>
- ☐ **ECICS**
http://ec.europa.eu/taxation_customs/dds2/ecics/chemicalsubstance_consultation.jsp?Lang=en

**Thank you for your
attention!**