



Customs Laboratories European Network

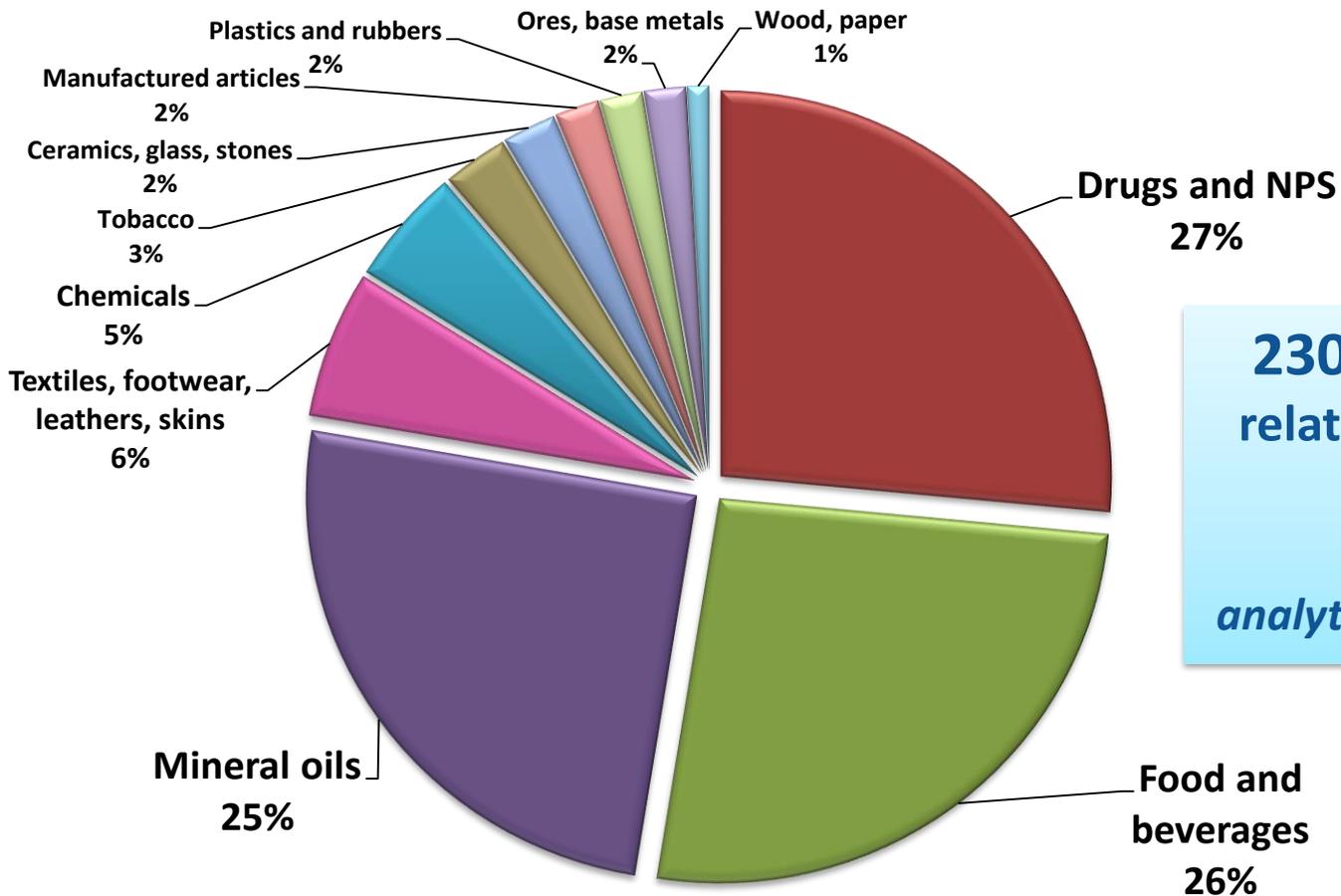
**Activities of the EU
customs laboratories
in the field of
cannabis and
cannabinoids**



European Commission

Directorate General Taxation and Customs Union

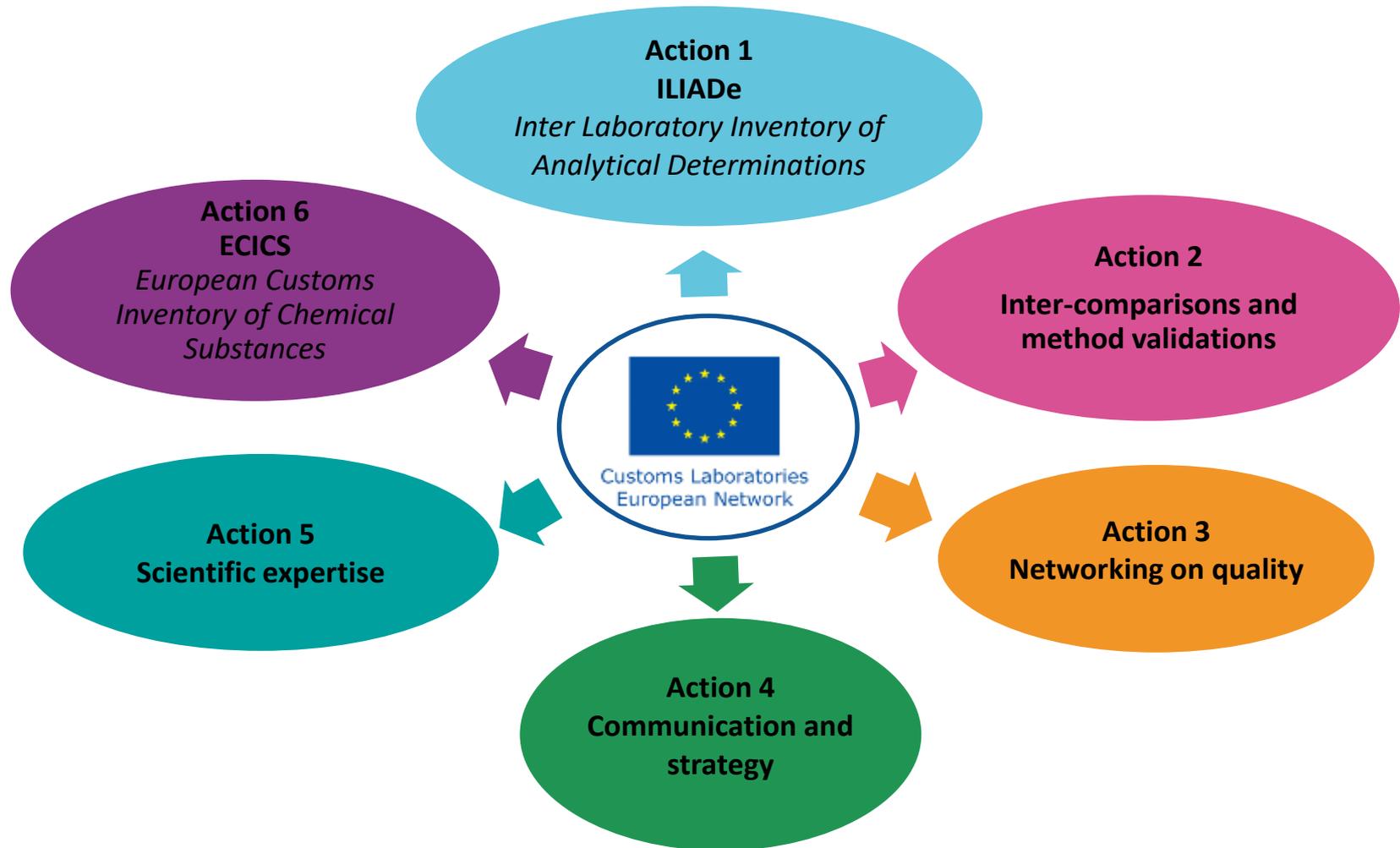
Samples Analysed per Type of Product*



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

*2018 data

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*

CLLEN 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 CLLEN 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
Commission

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!