

# Technical Support Instrument

Improving e-waste data quality

DG BUDG B3 – Revenue Policy and Management  
SG REFORM A2 – Public Finances, Germany

# Overview

1. EU budget – new own resource based on non collected e-waste
2. TSI project proposal to improve e-waste data quality
3. Q & A

# **EU budget – new own resource based on non collected e-waste**

# The EU budget is mainly funded by own resources



Own resources make up the **main financing source of the EU budget** (98% for Budget 2026).



**Universality** – Own Resources fund the **EU budget as a whole**. They are not assigned to a certain policy goal or financing programme.



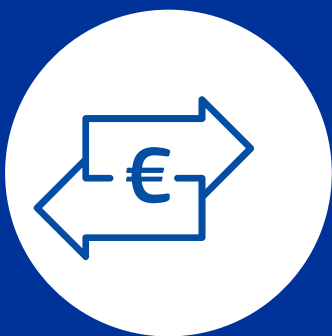
Own Resources are laid out in the **Own Resources Decision** (decided by unanimity and ratified in each Member State) complemented by supporting legislation.



# Current revenue sources of the EU budget

## EU Revenues\*

Customs duties



11.2%

Value Added Tax  
(VAT)



13.0%

Own resource based on  
non-recycled plastic  
packaging waste



3.6%

GNI-based  
own resource



70.3%

Other revenue\*\*



1.9%

\* Percentage based on the 2026 budget

\*\* includes, amongst others, surplus, competition fine(s), EU borrowing and more



# Why do we need new own resources?



The EU is **diversifying its revenue sources** to be able to **fund both its long-standing and new priorities**.



Reforming the own resources system also **supports EU priorities**, by designing new own resources that bring **additional benefits alongside new income streams**.

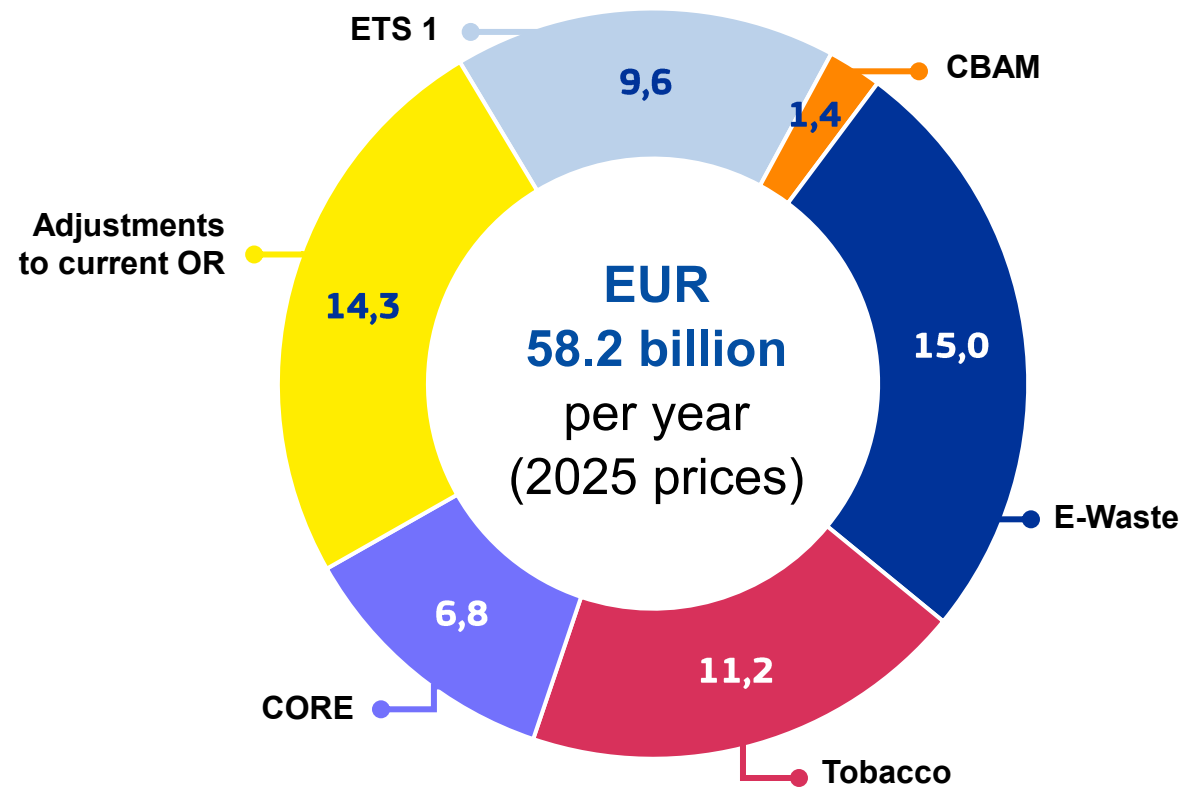


E-waste contains valuable critical raw materials which can be extracted and recycled. An e-waste based own resource provides incentives to improve e-waste collection and thus supports the Union's **competitiveness and strategic autonomy**.



# Additional revenue expected to be generated by the new Own Resources Decision

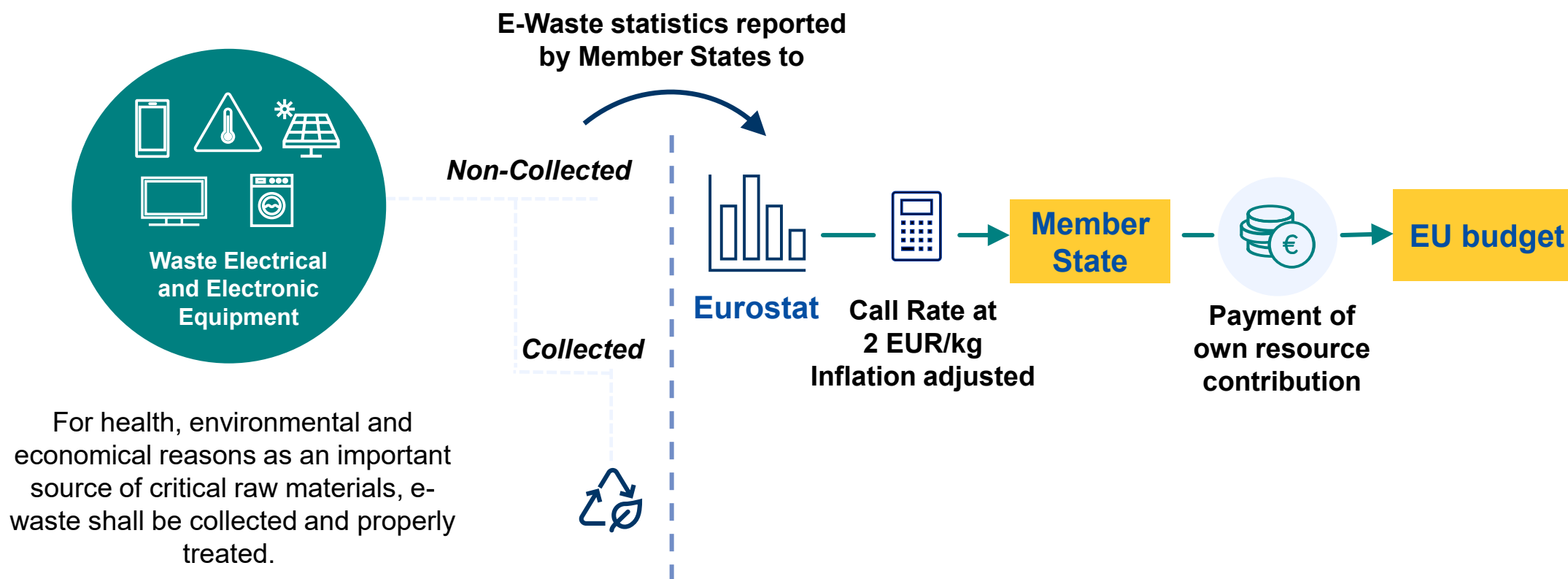
2025 prices, annual average over 2028-2034 - Revenue in EUR billion



European Travel Information and Authorisation System (ETIAS) fee generates an additional EUR 0.3 billion.



# Non-Collected E-Waste Own Resource





# Non-Collected E-Waste Own Resource – Data Sources

- The Non-Collected E-Waste Own Resource is based on data that Member States report to the Commission under the 2012 WEEE Directive:

$$\frac{\textcircled{A} \text{ E-waste collected (N)}}{\textcircled{B} \text{ Electronic equipment Placed on the Market (Average N-3, N-2, N-1)}} = \text{E-waste collection target (\% (N))}$$

*sectoral collection target*

$$\textcircled{B} \text{ Electronic equipment placed on the market (average N-3, N-2, N-1)} - \textcircled{A} \text{ E-waste collected (N)} = \text{Non-collected e-waste (kg (N))}$$

*proposed own resource base*



**Inspections** of e-waste data will focus on Placed-on-the market and WEEE collected data.



# TSI project proposal to improve e-waste data quality

# TSI project to improve e-waste data quality

- **WEEE** (waste electrical and electronic equipment) legislation is applicable in **all 27 Member States**
- **Data sources** used by the Member States, **quality of data on e-waste placed on the market**, and **quality of data on e-waste collection** vary
- **27 March 2026** - online information session for Member States on TSI facilitated by the **Expert Group on Statistics on Plastic Packaging Waste (SPPW)**
  - Possible ways for a TSI project to improve data quality of e-waste statistics
  - Proposed support measures
  - EU Survey



# Main categories of activities we proposed

## Initial analytical report

- ☐ Data delivery to Eurostat
- ☐ Data sources used by the MSs
- ☐ Data quality regarding:
  - e-waste placed on the market
  - e-waste data collection
- ☐ Data assurance at the national level
- ☐ Adjustments for completeness

## Data gaps and methodologies

- ☐ Estimations for data gaps
- ☐ Surveys to quantify informal waste flows

## National registers (IT component)

- ☐ Develop a methodology for a unified data quality assurance procedure that is acceptable to all participating beneficiaries.
- ☐ Draft technical specifications to implement a centralized National Register of Producers
- ☐ Analyse the possibility of expanding the National Register of Producers for packaging to also encompass e-waste
- ☐ Develop a methodology and a set of technical specifications for IT tools to integrate PROs reporting into national systems
- ☐ Prepare documentation for data entry portals featuring automated "sanity checks" and validation processes

## Audit, verification capacity, and data assurance

- ☐ Establish legal frameworks and standardized protocols for third-party audits
- ☐ Train ministerial staff to conduct technical on-site inspections
- ☐ Implement IT controls to detect and prevent double counting of e-waste and to detect data anomalies
- ☐ Provide technical training for producers and collectors in reporting

## Exchange of experience

- ☐ TAIEX

# Results of the EU Survey (1/2)

## 22 Member States responded to the survey:

- **18** expressed interest in receiving technical support as **beneficiaries**
- **3** would like to participate as **observers**

| Interest in TSI | Develop tools to estimate the prevalence of "free-riders," online trading activities, under-reporting levels, private imports and exports, and cross-border sales of second-hand goods | Create questionnaires and suggest platforms and methods for surveys to measure informal waste flows, including | Develop a methodology for a unified data quality assurance procedure that is acceptable to all participating beneficiaries | Draft technical specifications for a centralized National Register of Producers ensuring EVRN (European VEE Registers Network) | Explore expanding existing packaging registers to include e-waste under a unified scope | Develop IT tool specifications to integrate PRILs (Producers responsibility organizations) reporting into national systems | Prepare documentation for data entry portals with automated "sanity checks" and validation | Establish legal frameworks and standardized protocols for third-party audits | Train ministerial staff to conduct technical on-site inspections | Implement IT controls to detect and prevent double counting and data anomalies | Provide technical training for producers and collectors in reporting | Exchange of experiences, identify good practices and lessons learned |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------------------------|----------------------------------------------------------------------|----------------------------------------------------------------------|
| Yes             | Yes                                                                                                                                                                                    | Yes                                                                                                            | Yes                                                                                                                        | Yes                                                                                                                            | Yes                                                                                     | Yes                                                                                                                        | Yes                                                                                        | Yes                                                                          | Yes                                                              | Yes                                                                            | Yes                                                                  | Yes                                                                  |
| Yes             | Yes                                                                                                                                                                                    | No                                                                                                             | Yes                                                                                                                        | Yes                                                                                                                            | No                                                                                      | Yes                                                                                                                        | Yes                                                                                        | Yes                                                                          | Yes                                                              | No                                                                             | No                                                                   | Yes                                                                  |
| Yes             | Yes                                                                                                                                                                                    | Yes                                                                                                            | Yes                                                                                                                        | No                                                                                                                             | No                                                                                      | No                                                                                                                         | No                                                                                         | No                                                                           | No                                                               | No                                                                             | Yes                                                                  | Yes                                                                  |
| Yes             | Yes                                                                                                                                                                                    | No                                                                                                             | No                                                                                                                         | No                                                                                                                             | No                                                                                      | No                                                                                                                         | No                                                                                         | No                                                                           | No                                                               | No                                                                             | No                                                                   | Yes                                                                  |
| Yes             | Yes                                                                                                                                                                                    | No                                                                                                             | Yes                                                                                                                        | No                                                                                                                             | Yes                                                                                     | Yes                                                                                                                        | Yes                                                                                        | No                                                                           | No                                                               | Yes                                                                            | Yes                                                                  | Yes                                                                  |
| Yes             | Yes                                                                                                                                                                                    | Yes                                                                                                            | Yes                                                                                                                        | Yes                                                                                                                            | No                                                                                      | Yes                                                                                                                        | Yes                                                                                        | Yes                                                                          | Yes                                                              | Yes                                                                            | Yes                                                                  | Yes                                                                  |
| Yes             | Yes                                                                                                                                                                                    | Yes                                                                                                            | No                                                                                                                         | No                                                                                                                             | No                                                                                      | No                                                                                                                         | No                                                                                         | No                                                                           | No                                                               | No                                                                             | Yes                                                                  | Yes                                                                  |
| Yes             | Yes                                                                                                                                                                                    | Yes                                                                                                            | Yes                                                                                                                        | No                                                                                                                             | No                                                                                      | No                                                                                                                         | No                                                                                         | Yes                                                                          | Yes                                                              | No                                                                             | No                                                                   | Yes                                                                  |
| Yes             | Yes                                                                                                                                                                                    | Yes                                                                                                            | Yes                                                                                                                        | Yes                                                                                                                            | No                                                                                      | No                                                                                                                         | Yes                                                                                        | Yes                                                                          | Yes                                                              | Yes                                                                            | Yes                                                                  | Yes                                                                  |
| Yes             | Yes                                                                                                                                                                                    | Yes                                                                                                            | Yes                                                                                                                        | Yes                                                                                                                            | No                                                                                      | No                                                                                                                         | No                                                                                         | No                                                                           | No                                                               | Yes                                                                            | No                                                                   | Yes                                                                  |
| Yes             | Yes                                                                                                                                                                                    | Yes                                                                                                            | Yes                                                                                                                        | Yes                                                                                                                            | No                                                                                      | No                                                                                                                         | Yes                                                                                        | Yes                                                                          | Yes                                                              | Yes                                                                            | Yes                                                                  | Yes                                                                  |
| Yes             | Yes                                                                                                                                                                                    | Yes                                                                                                            | Yes                                                                                                                        | Yes                                                                                                                            | No                                                                                      | No                                                                                                                         | Yes                                                                                        | Yes                                                                          | Yes                                                              | Yes                                                                            | Yes                                                                  | Yes                                                                  |

## Main areas of interest:

- **Estimations for data gaps**  
– 21 MS interested
- **Exchange of experience**  
– 18 MS interested
- **Surveys to quantify informal waste flows**  
– 16 MS interested
- **Methodology for a unified data quality assurance procedure acceptable to all participating beneficiaries**  
– 14 MS interested
- **IT controls to detect and prevent double-counting of e-waste and to detect data anomalies**  
– 14 MS interested
- **Training for producers and collectors in reporting**  
– 13 MS interested



# Results of the EU Survey (2/2)

## • IT-related findings:

- National registers in some Member States already collect e-waste data.
- Little demand for packaging registers to be expanded to include e-waste.
- PROs reporting is already integrated in most Member States, similarly to data entry portals with sanity checks and validation.

## • Member States' additional ideas for possible support measures:

- Demand for advanced data validation techniques, including streamlining data cross-checks with external administrative sources.
- Need for including methodologies to reconcile WEEE reporting with administrative data sources such as tax authorities, customs records, and production and trade statistics.

Questionnaire for Member States on e-waste statistics

Fields marked with \* are mandatory

Section 1: Beneficiary authorities and relevant stakeholders

\* 1.1 Name of Member State

\* 1.2 Would your institution be interested in participating in a TSI project to improve the data quality of e-waste statistics?

☐ Yes

☐ No

\* 1.3 Please specify your institution as a main Beneficiary Authority in charge of coordination on the Member State side

☐ Ministry of Environment

☐ Ministry of Economy

☐ Environmental Protection Agency

☐ Statistical Office

☐ Other, please specify:

Please specify your institution:

\* 1.4 Please specify other institutions that may serve as stakeholders in the project (multiple options are available)

☐ Ministry of Environment

☐ Ministry of Economy

☐ Environmental Protection Agency

☐ Statistical Office

☐ Other, please specify:

Please specify other stakeholder institutions:

Section 2: Possible support measures

2.1 Initial analytical report

2.1.1 Report on data delivery to Eurostat - **Required**

2.1.2 Report on data sources used - **Required**

2.1.3 Report on data quality (e-waste placed on the market, e-waste data collection) - **Required**

2.1.4 Report on data assurance at the national level - **Required**

2.1.5 Report on adjustments for completeness - **Required**

2.2 Data gaps and methodologies

Please indicate which of the following support measures you would be interested in:

\* 2.2.1 (Develop tools to estimate the prevalence of "free-riders" online trading activities, under-reporting levels, private imports and exports, and cross-border sales of second-hand goods)

☐ Yes

☐ No

\* 2.2.2 (Create questionnaires and support platforms and methods for surveys to measure informal waste flows, including scrap dealers)

☐ Yes

☐ No

Please indicate which of the following support measures you would be interested in:

\* 2.3.1 (Develop a methodology for a unified data quality assurance procedure that is acceptable to all participating beneficiaries)

☐ Yes

☐ No

\* 2.3.2 (Draft technical specifications for a centralized National Register of Producers ensuring EPRs) (European WEEE Registers Network)

☐ Yes

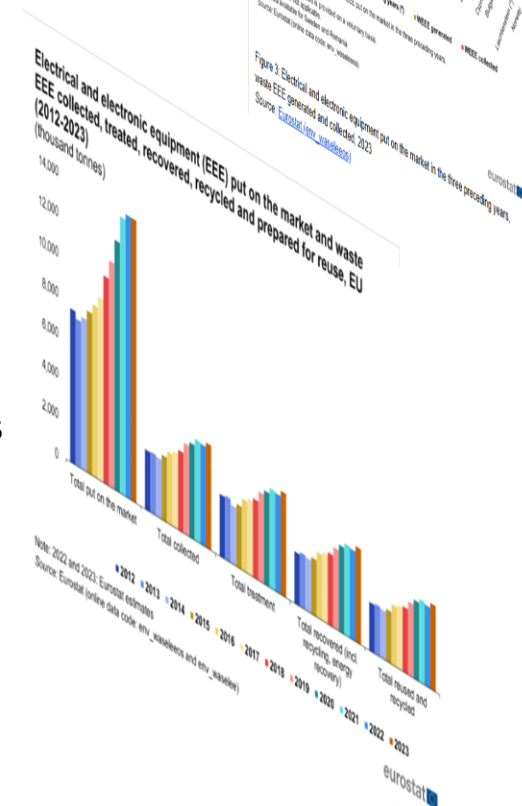
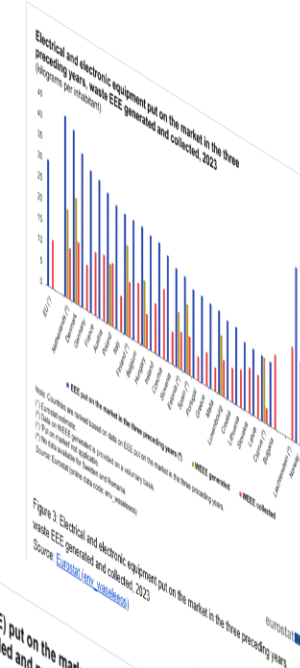
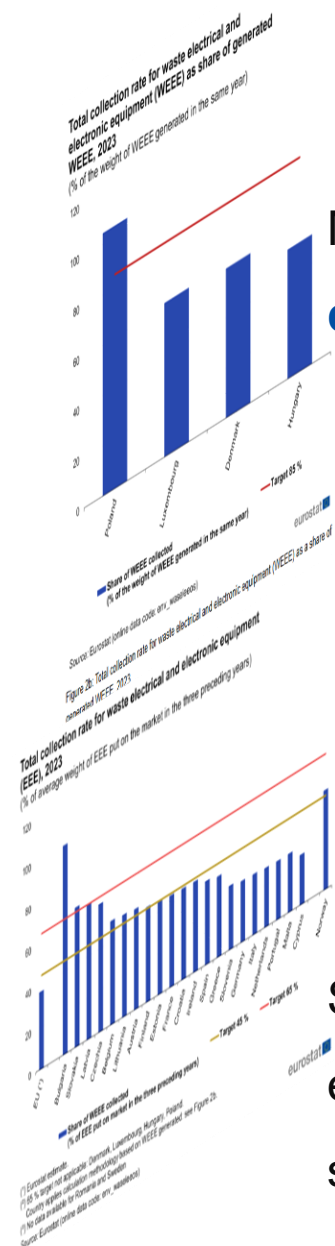
☐ No

# Revised measures based on the survey results

Measures to be divided into **5 components**, with **several groups under certain components**:

- **Initial analytical part** – required for all participating Member States
- **Data gaps methodologies** – most Member States are interested
- **IT component** – various groups
- **Audit, verification capacity, and data assurance** – various groups
- **TAIEX events** – most Member States are interested

Support to be tailored to the needs of different beneficiary groups to effectively support Member States in improving the quality of e-waste statistics.



# Submission process

- SG REFORM will provide a prefilled request template for a **multi-country project** aimed at **improving the quality of e-waste data**.
- Several online **informal sessions** will be held in **July/September** to explain how to complete the template and to address any questions.
- **Potential Beneficiary Authorities** submit the request to the national TSI Coordinating Authority (please advise them of the national deadline)
  - **Ministries of Environment / Agriculture / Energy / Climate**
  - **Environmental Protection Agencies**
  - **Recycling Agencies**
  - **Statistical Institutes**
- **Coordinating Authorities** submit the requests on the European Commission's **Funding & Tender portal** by **31 October 2026**.
- You can always contact us: **Tamas.TOROK@ec.europa.eu**

**SG-REFORM-TEAM-PUBLIC-FINANCES@ec.europa.eu**





# Q & A

# Thank you!