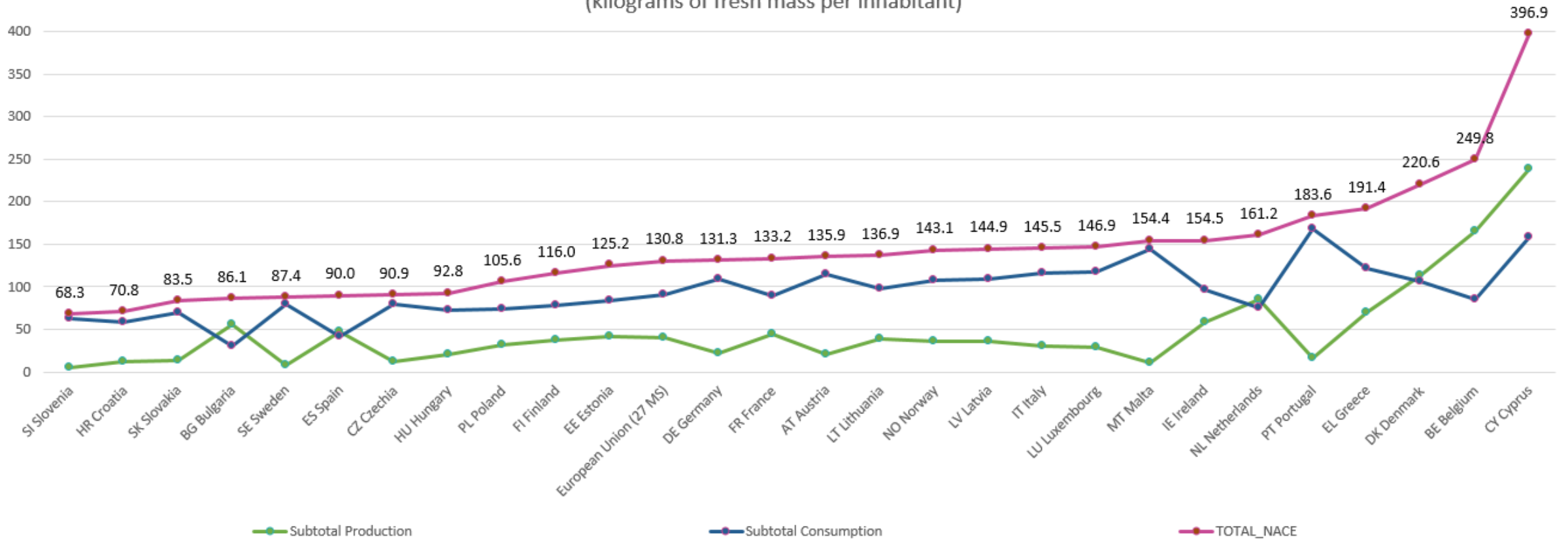# Food waste data collection 2022 (RY2020):

- Food waste data collections 2022 (reference year 2020) was a new reporting obligation; only few countries sent data on a voluntary basis in the previous 2 years for RY2018 and RY2019

- All countries were able to provide the breakdown by NACE Rev2 activities (Primary production, Processing and manufacturing, Retail and other distribution of food, Restaurants and food services, Households)

- Publication of EU-level statistics: most data were released in Q4 (end of October) in the Eurostat dissemination database and in the Statistic Explained article, with second publication in March 2023 (including countries which were not yet validated in Q4).

- So far 26 MS and 1 voluntary EFTA country (NO) were received and are all fully validated.
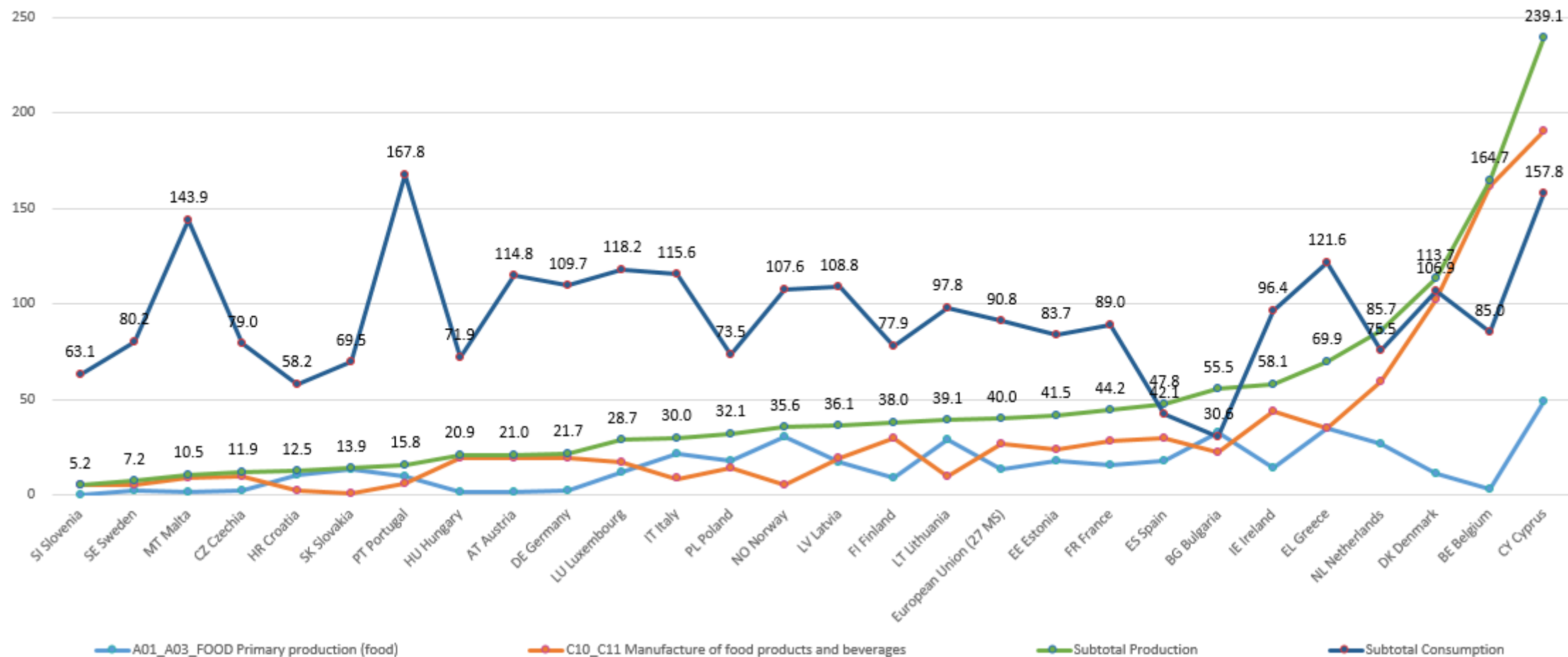
Food waste by total Nace activities, production sectors and consumption sectors

Food waste by production&processing and by consumption activities, year 2020
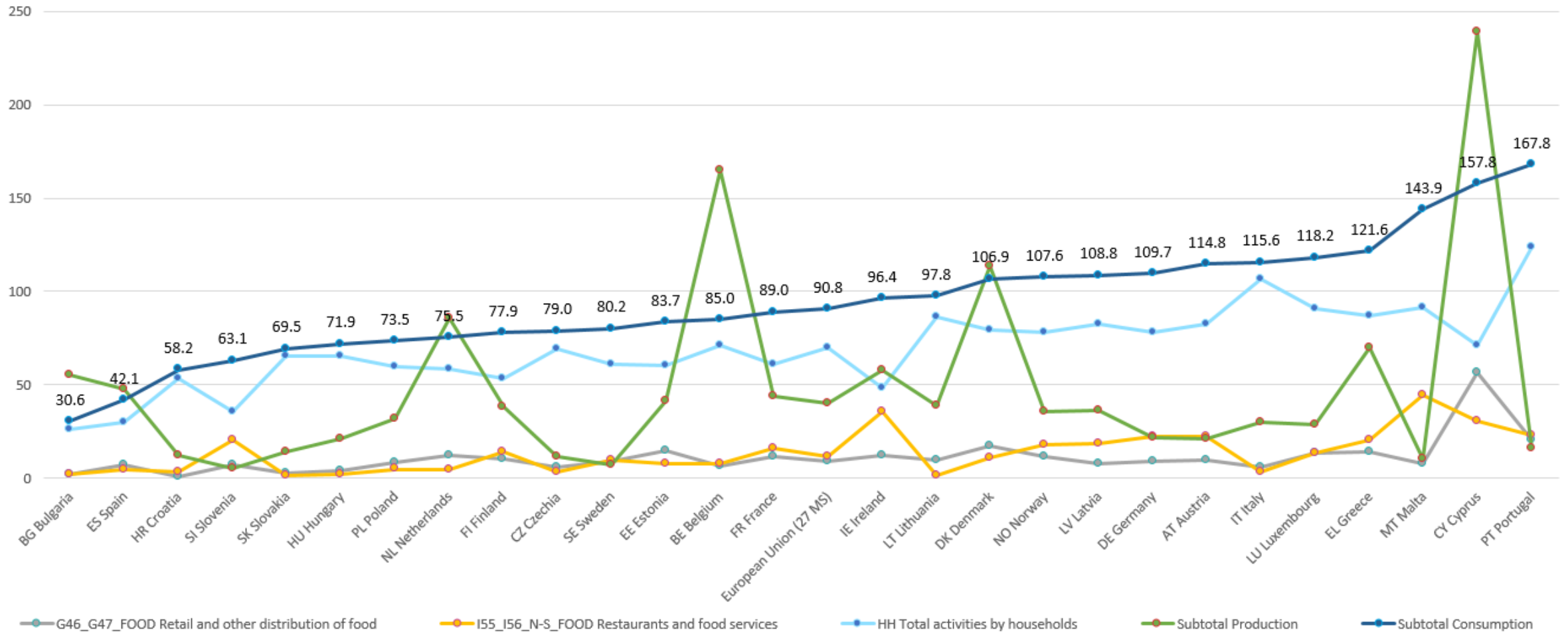(kilograms of fresh mass per inhabitant)

Food waste by production and processing

Food waste by production, processing and consumption activities, year 2020
(kilograms of fresh mass per inhabitant)

Legend:
- A01_A03_FOOD Primary production (food)
- C10_C11 Manufacture of food products and beverages
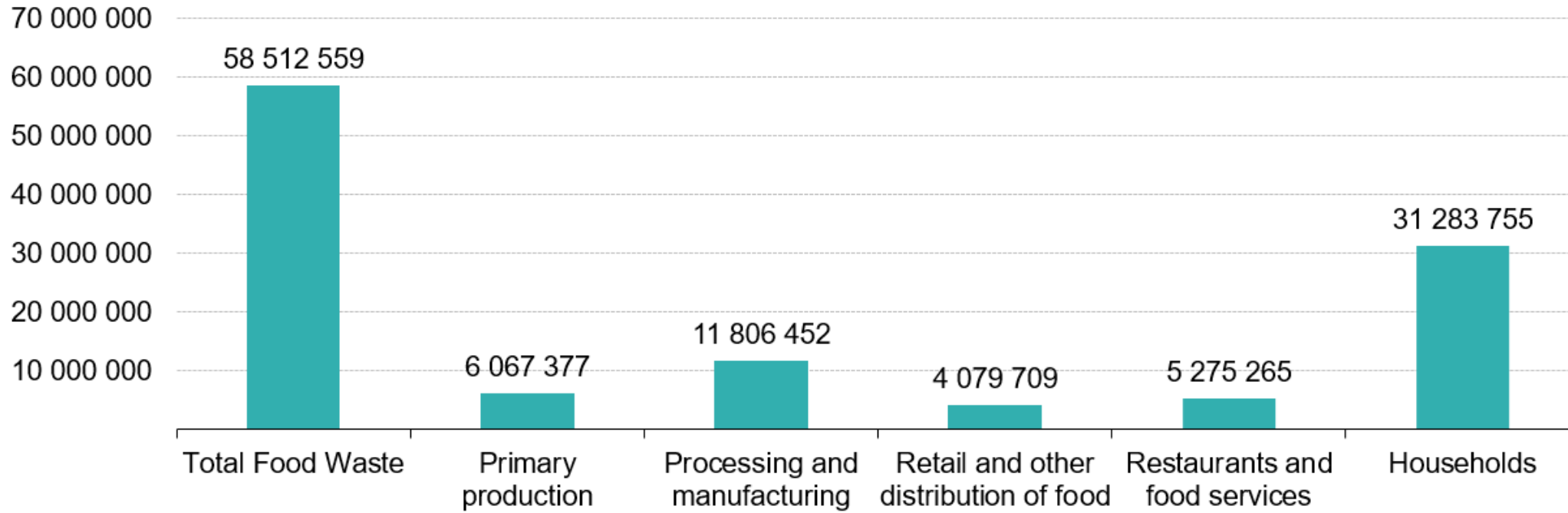- Subtotal Production
- Subtotal Consumption

Food waste by consumption NACE activities

Food waste by production&processing and by all consumption activities, year 2020
(kilograms of fresh mass per inhabitant)

Food waste in the EU

Food waste estimations in the European Union, 2020
(tonnes of fresh mass)

Category	Value
Total Food Waste	58 512 559
Primary production	6 067 377
Processing and manufacturing	11 806 452
Retail and other distribution of food	4 079 709
Restaurants and food services	5 275 265
Households	31 283 755

Data are estimated

Source: Eurostat (online data code: env_wasfw) - March 2023

eurostat

European Commission

Food waste overview of reported data

Table 1: Food waste by sector of activities, 2020
(tonnes of fresh mass)

	Total food waste	Primary production	Processing and manufacturing	Retail and other distribution of food	Restaurants and food services	Households
EU (¹)	58 512 559	6 067 377	11 806 452	4 079 709	5 275 265	31 283 755
Belgium	2 881 897	38 699	1 862 177	73 591	88 333	819 097
Bulgaria	596 844	228 472	156 435	15 708	14 375	181 854
Czechia	972 445	27 022	100 339	64 394	37 941	742 749
Denmark	1 286 488	66 452	596 599	99 500	62 544	461 392
Germany	10 922 321	190 203	1 612 505	762 352	1 860 980	6 496 282
Estonia	166 513	23 612	31 622	19 976	10 739	80 564
Ireland	770 316	70 413	219 453	60 894	178 507	241 048
Greece (¹)	2 048 189	372 204	375 158	150 472	220 032	930 323
Spain (¹)	4 260 845	845 620	1 419 257	348 219	213 023	1 434 726
France	9 000 000	1 059 000	1 926 000	800 000	1 096 000	4 119 000
Croatia (¹)	286 379	40 916	9 866	4 180	15 072	216 345
Italy (¹)	8 650 456	1 270 638	510 018	343 535	193 915	6 332 349
Cyprus (¹)	354 021	43 564	169 706	50 268	27 145	63 338
Latvia (¹)	275 304	32 487	36 107	14 765	35 436	156 509
Lithuania	382 665	81 202	28 057	27 342	4 495	241 570
Luxembourg	92 580	7 384	10 692	8 525	8 739	57 240
Hungary	905 068	16 587	187 391	41 952	19 331	639 806
Malta	79 589	759	4 668	3 910	23 016	47 235
Netherlands	2 811 000	463 045	1 031 407	209 805	83 035	1 023 708
Austria	1 211 534	13 879	173 734	84 326	201 956	737 639
Poland	4 002 099	670 547	544 942	320 396	190 293	2 275 921
Portugal	1 890 712	101 384	61 719	214 233	237 486	1 275 891
Romania	:	:	:	:	:	:
Slovenia	143 570	93	10 757	15 290	42 666	74 764
Slovakia	455 587	71 889	4 113	15 825	7 110	356 650
Finland	641 258	48 011	162 278	57 555	77 914	295 500
Sweden	905 000	22 000	53 000	97 000	98 000	635 000
Norway	769 967	162 158	29 088	61 281	97 547	419 893

(:) not available *Figures in italic are estimates* (¹) Definition differs in some figures

Source: Eurostat (online data code: env_wasfw) - March 2023

eurostat

European Commission

Applied methodologies: summary

- This table summarises how many countries have used the methodologies as set out in ANNEX III and ANNEX IV of Delegated Decision 2019/1597 EC and integrated missing subsectors information with JRC estimates. Very few countries, for one or more NACE activities, have exclusively used only ANNEX IV or only JRC

	Method Annex III	On the basis of data collected for WStatR	Based on dedicated studies	Other sources or combinations	Method Annex IV	JRC
A01_A03_FOOD	26	5	11	16	3	2
C10_C11	27	12	7	15	1	
G46_G47_FOOD	26	9	10	14	2	
I55_I56_N-S_FOOD	24	8	10	14	3	2
HH	27	9	10	16	3	

European Commission

Food waste data publication on Eurostat web site

- Statistics explained Food waste and food waste prevention – estimates:

  https://ec.europa.eu/eurostat/statistics-explained/index.php?title=Category:Waste

  https://ec.europa.eu/eurostat/statistics-explained/index.php?title=Food_waste_and_food_waste_prevention_-_estimates

- Database table env_wasfw (Food waste and food waste prevention by NACE Rev. 2 activity - tonnes of fresh mass):

  https://ec.europa.eu/eurostat/web/waste/data/database

- Metadata:

  https://ec.europa.eu/eurostat/cache/metadata/en/env_wasfw_esms.htm

Where to find the reporting methodology

WASTE	METHODOLOGY

Methodological documents

> Manual on waste statistics - A handbook for data collection on waste generation and treatment - 2013 edition
> Guidance on waste classification (EWC-Stat categories)

Overview
▲Data
  Main tables
  Database
  Indicators
Publications
METHODOLOGY
Legislation
Policy context
Targets
Links

Conversion of EWCstat 4 to LoW codes, October 2021
Allocation of List of Waste (LoW) to Y-codes
Guidance on municipal waste data collection - October 2021
Guidance on packaging and packaging waste - May 2021

Data collections - documents and deadlines

Expand all / Collapse all

+Waste statistics according to Regulation (EC) No 2150/2002, 30 June each even year

+Municipal waste

+Batteries and accumulators and waste batteries and accumulators, 30 June each year

+End of life vehicles, 30 June each year

–Food waste and food waste prevention, 30 June each year

> Guidance on food waste – Revision June 2022
> Questions and answers on food waste measurement and reporting 3 June 2022
> Webinar 23 May 2022 on Mass Flow Analysis Estimations Tool (video format mp4)
> Slides of Webinar 23 May 2022 on Mass Flow Analysis Estimations Tool
> Questionnaire for food waste and food waste prevention data and methodology/quality report, data collection 2022

Reporting methodology is available at this link:
https://ec.europa.eu/eurostat/web/waste/methodology