

Technical Webinar

26 May 2025 | Copenhagen

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European Environment Agency



Agenda



1

Status of reporting

2

Production Volume reporting

3

BAT-AEL codelist

4

NACE Rev 2.1 reporting



Agenda



1

Status of reporting

2

Production Volume reporting

3

BAT-AEL codelist

4

NACE Rev 2.1 reporting



Completeness of reporting under E-PRTR Regulation and IED

Based on data reported under E-PRTR/LCP and EU Registry

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Austria	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	●◆	●◆	●◆	●◆	●◆	●◆	●◆
Belgium	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	●◆	●◆	●◆	●◆	●◆	●◆	●◆
Bulgaria	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	●◆	●◆	●◆	●◆	●◆	●◆	●◆
Croatia								◆	◆	◆	●◆	●◆	●◆	●◆	●◆	●◆	●◆
Cyprus	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	●◆	●◆	●◆	●◆	●◆	●◆	●◆
Czechia	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	●◆	●◆	●◆	●◆	●◆	●◆	
Denmark	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	●◆	●◆	●◆	●◆	●◆	●◆	●◆
Estonia	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	●◆	●◆	●◆	●◆	●◆	●◆	●◆
Finland	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	●◆	●◆	●◆	●◆	●◆	●◆	●◆
France	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	●◆	●◆	●◆	●◆	●◆	●◆	●◆
Germany	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	●◆	●◆	●◆	●◆	●◆	●◆	●◆
Greece	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	●◆	●◆	●◆	●◆	●◆	●◆	●◆
Hungary	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	●◆	●◆	●◆	●◆	●◆	●◆	●◆
Ireland	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	●◆	●◆	●◆	●◆	●◆	●◆	●◆
Italy	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	●◆	●◆	●◆	●◆	●◆	●◆	●◆
Latvia	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	●◆	●◆	●◆	●◆	●◆	●◆	●◆
Lithuania	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	●◆	●◆	●◆	●◆	●◆	●◆	●
Luxembourg	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	●◆	●◆	●◆	●◆	●◆	●◆	●◆
Malta	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	●◆	●◆	●◆	●◆	●◆	●◆	●
Netherlands	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	●◆	●◆	●◆	●◆	●◆	●◆	●◆
Poland	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	●◆	●◆	●◆	●◆	●◆	●◆	●◆
Portugal	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	●◆	●◆	●◆	●◆	●◆	●◆	●◆
Romania	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	●◆	●◆	●◆	●◆	●◆	●◆	●◆
Slovakia	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	●◆	●◆	●◆	●◆	●◆	●◆	
Slovenia	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	●◆	●◆	●◆	●◆	●◆	●◆	●◆
Spain	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	●◆	●◆	●◆	●◆	●◆	●◆	●◆
Sweden	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	●◆	●◆	●◆	●◆	●◆	●◆	●◆

As of Monday 3 March 2025 (reporting under EU Registry started in 2017)

EU Registry ●
E-PRTR/LCP ◆

Status of reporting

- > All EU27 MS reported data up to 2022
- > 4 MS still to report 2023 data
- > Portal updated in March

Agenda



1

Status of reporting

2

Production Volume reporting

3

BAT-AEL codelist

4

NACE Rev 2.1 reporting



What have we learnt from the reporting process

Lesson learnt

- **Inconsistency** on data reported about activity
- Several **blockers** occurred because activity reported in **EU Registry was very different from E-PRTR**
Production Volume (e.g. 1(c) vs. 5(b) or 4(a)(ii) vs. 1(a))



What have we learnt from the reporting process

Lesson learnt

- **E-PRTR better granularity** than the EU Registry, e.g. EU Registry has only main activity 4(a) and MS tried to report multiple Production Volume for different activities, 4(a)(i), 4(a)(iii).
- **Main Activity vs. Other Activity**: several attempts to report production volume for other activity. Other activity is widely not reported because not mandatory.



What have we learnt from the reporting process

Lesson learnt

- Several **EU Registry re-submissions**: 22 (with 25MS reporting, 4 MS resubmitted more than 2 times)
- In other cases, action has been taken on Production Volume units to align to EU Registry. Reporting of more aggregated information



Data quality

- **Potential outliers** in several sectors
- **Systematic** error in **unit conversion** (e.g LSU, kg vs. tonnes)
- General **weakness** in implementing internal **QA** (e.g. to identify big contribution to national total)
- **Reporting of 0 abused** on some occasion



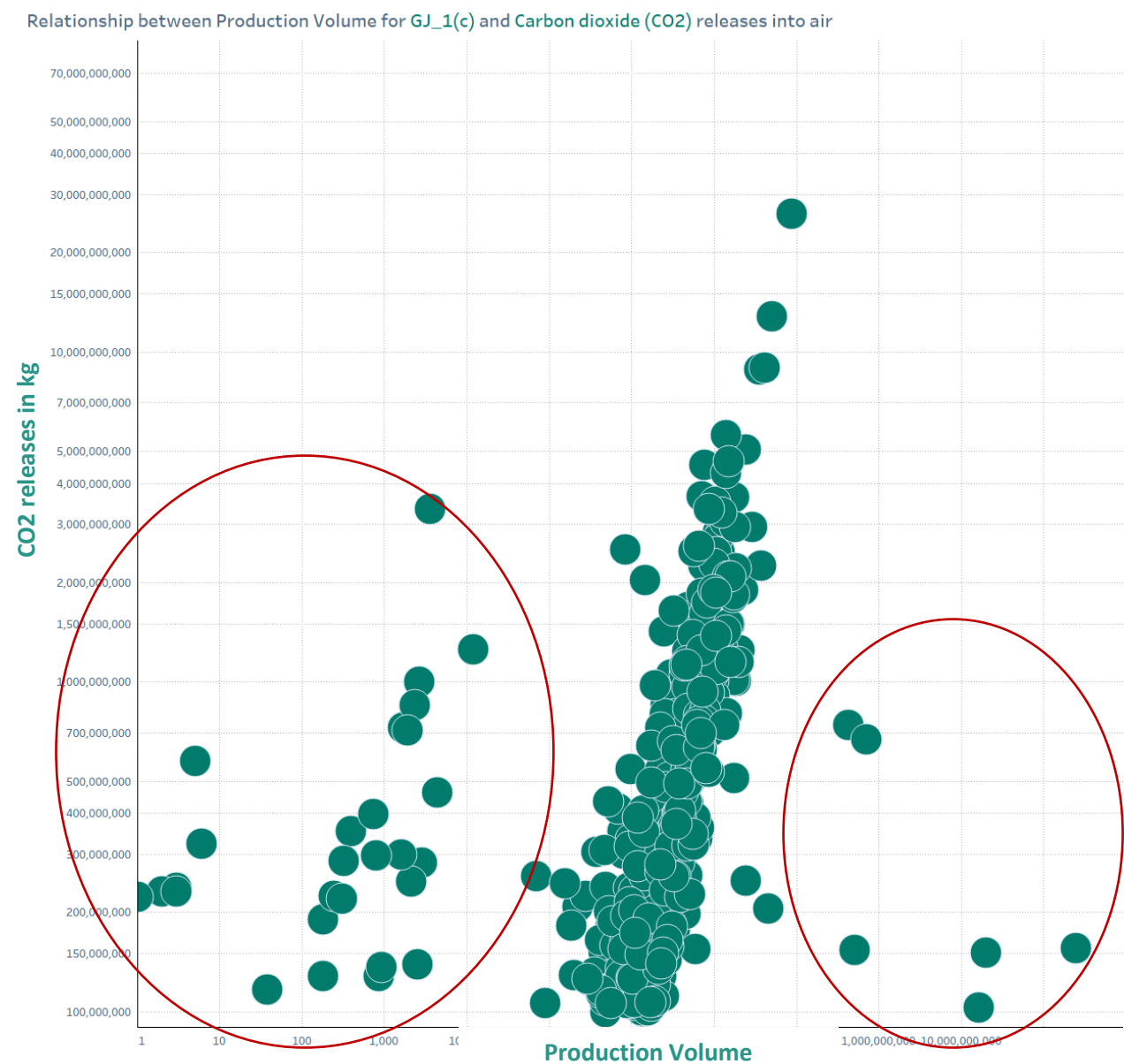
Some findings

- **Ratio between 1(c) Production Volume and total LCP Energy input** varies from 0.01 to 191.4
- **1 facility** accounting for **69%** of Production Volume in 1(c)
- **3 facilities** from the same MS accounting for **over 154 million LSU**

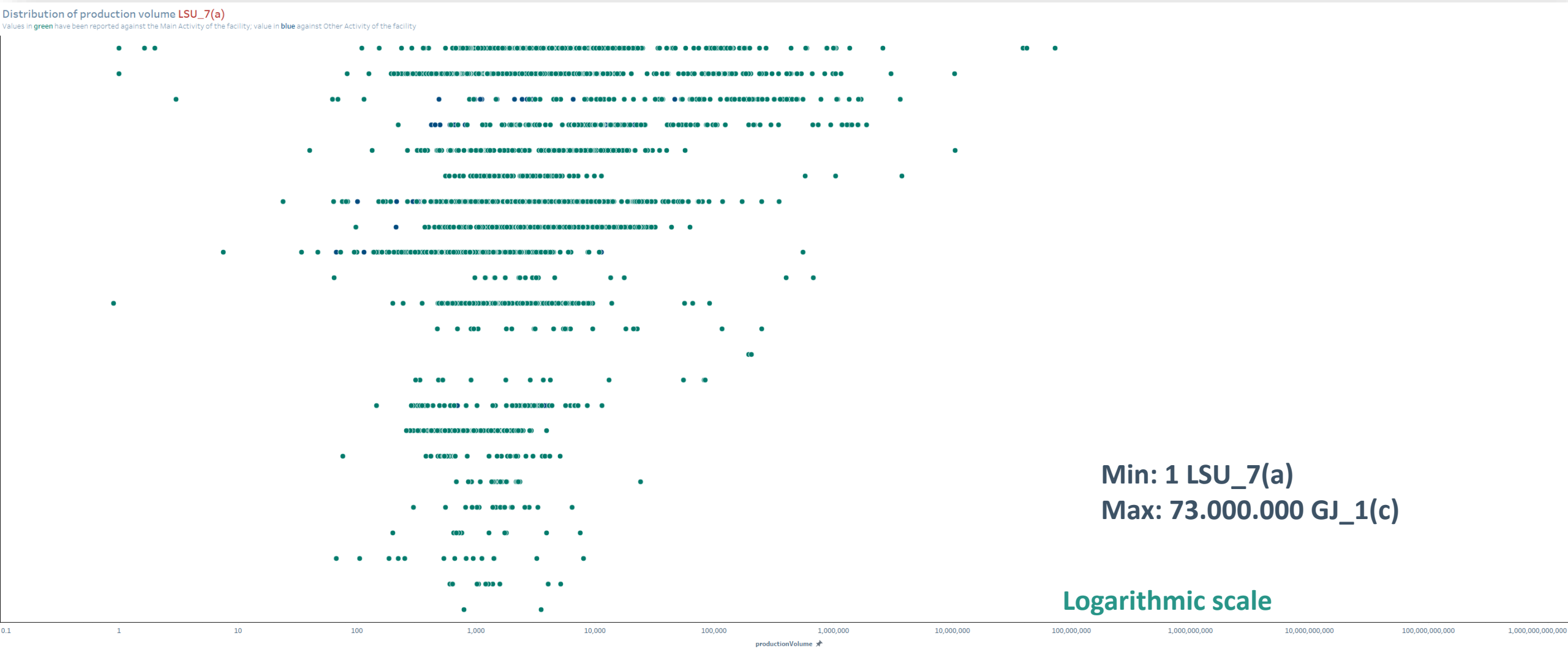
Some visual support – GJ_1(c)



Some visual support – GJ_1(c) vs. CO2 releases

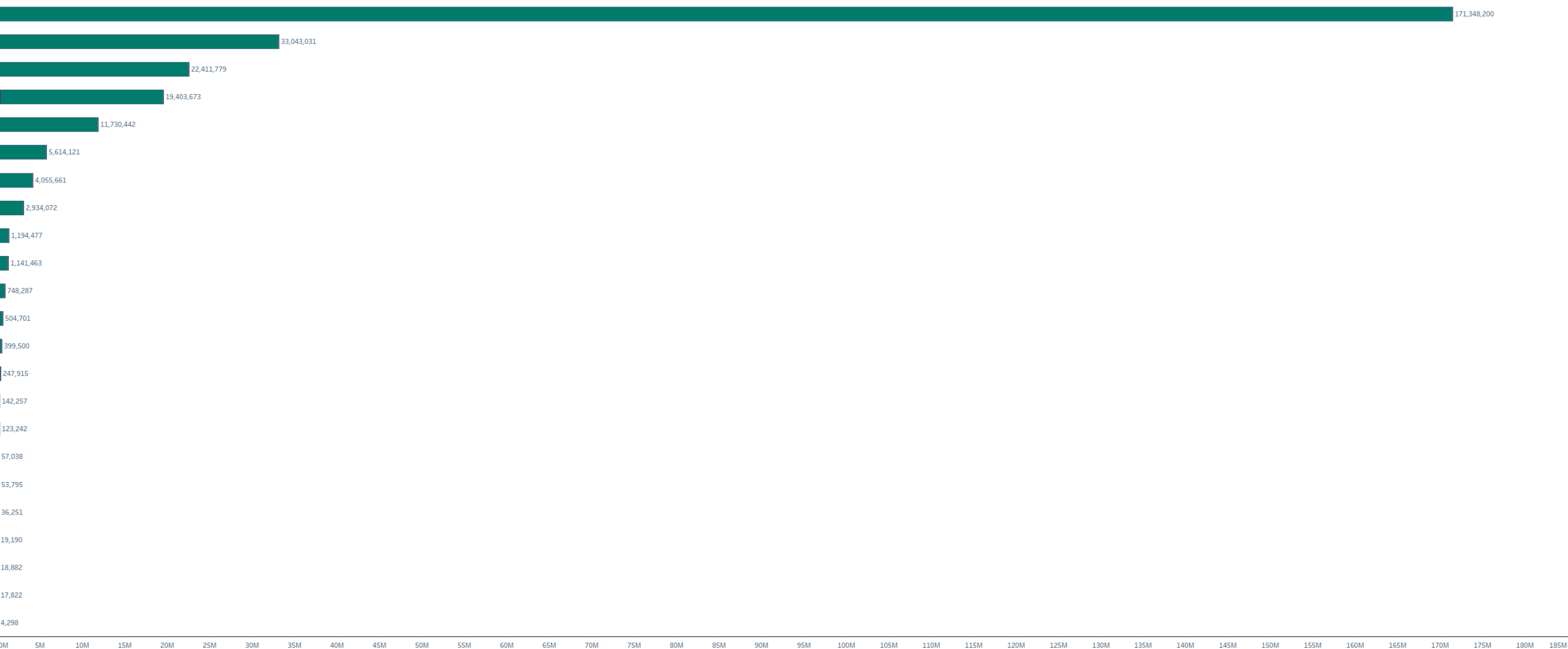


Some visual support – LSU_7(a)

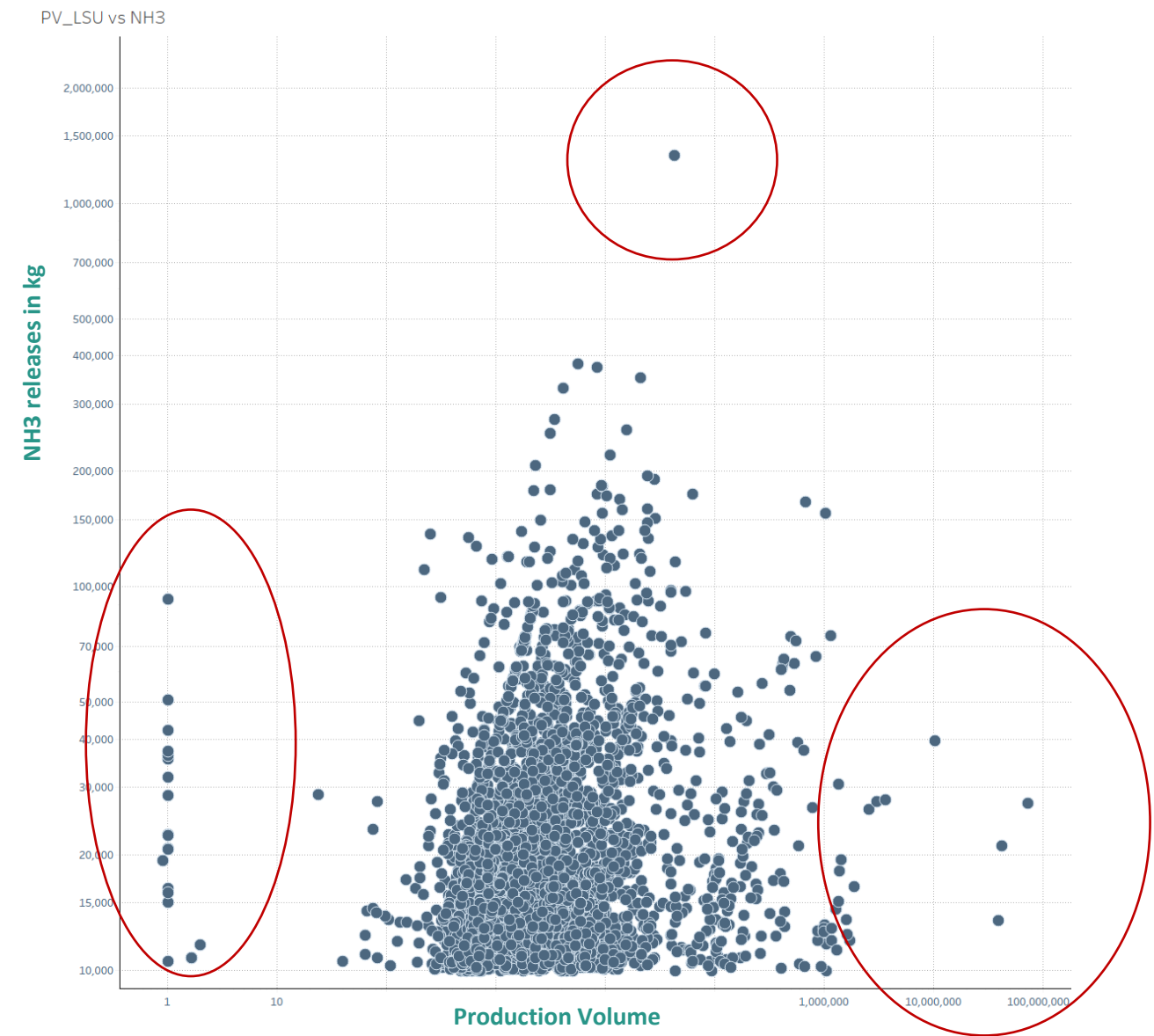


Some visual support – LSU_7(a)

Total amount of production volume by Member State



Some visual support – LSU_7(a) vs. NH3 releases



Logarithmic scale



Reporting Livestock Unit (LSU)

LSU Conversion

- **IED** LSU conversion factor to be applied
- **7(a)(i)**: E-PRTR capacity threshold of 40.000 animals is equivalent to either **280LSU** or **560LSU**
- **7(a)(ii)**: E-PRTR capacity threshold of 2.000 pigs is equivalent to **600LSU**
- **7(a)(iii)**: E-PRTR capacity threshold of 750 sows is equivalent to **375LSU**



Reporting Livestock Unit (LSU)

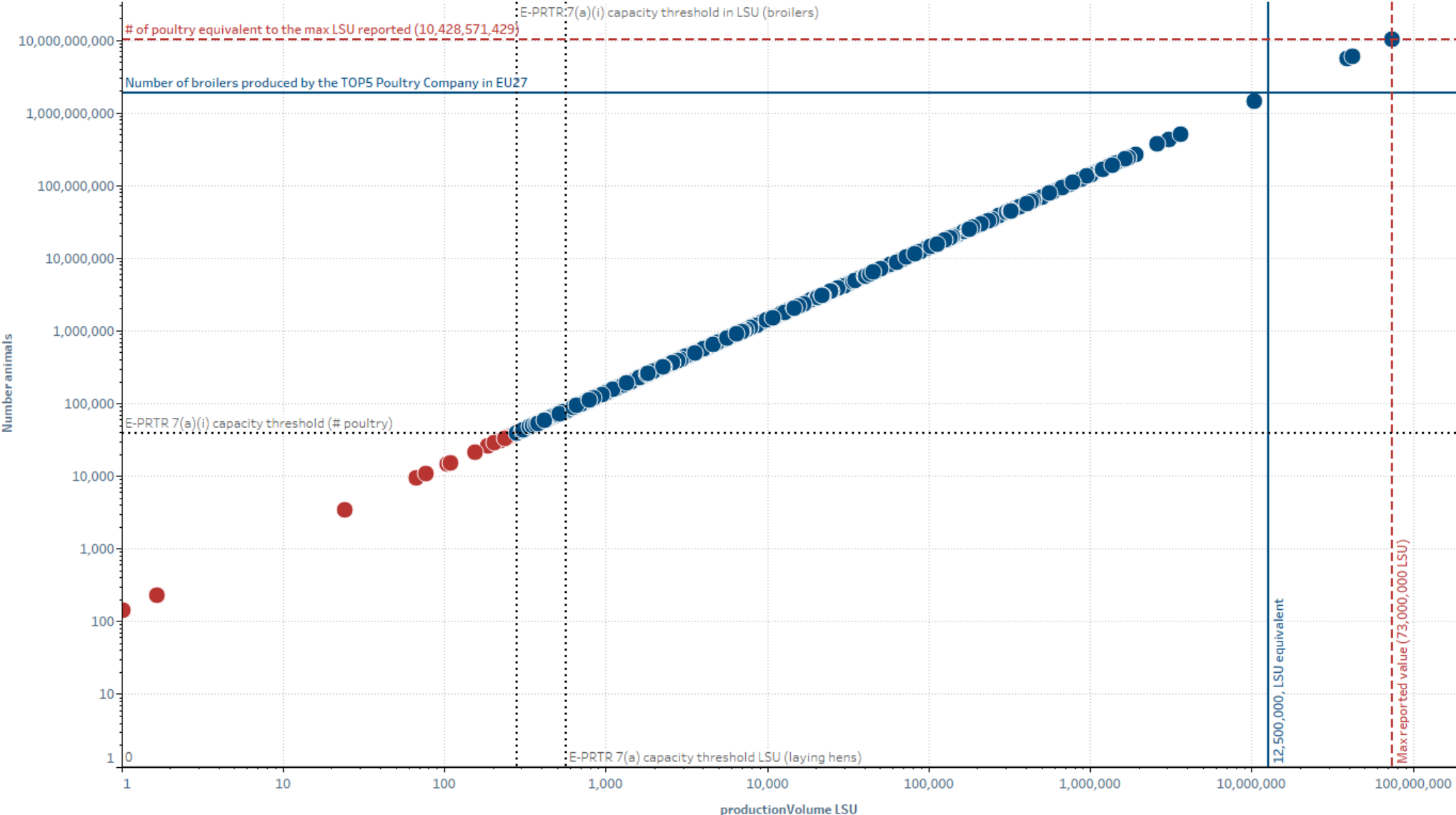
LSU calculation example

- **7(a)(i)** farm with an authorized capacity of 60000 **broilers** (LSU conversion factor = 0.007)
- 4 production cycles each at 85% of the capacity
- Total produced animals = $4 * 0.85 * 60000 = 204.000$
- **Production Volume = $204.000 * 0.007 = 1.428$ LSU**



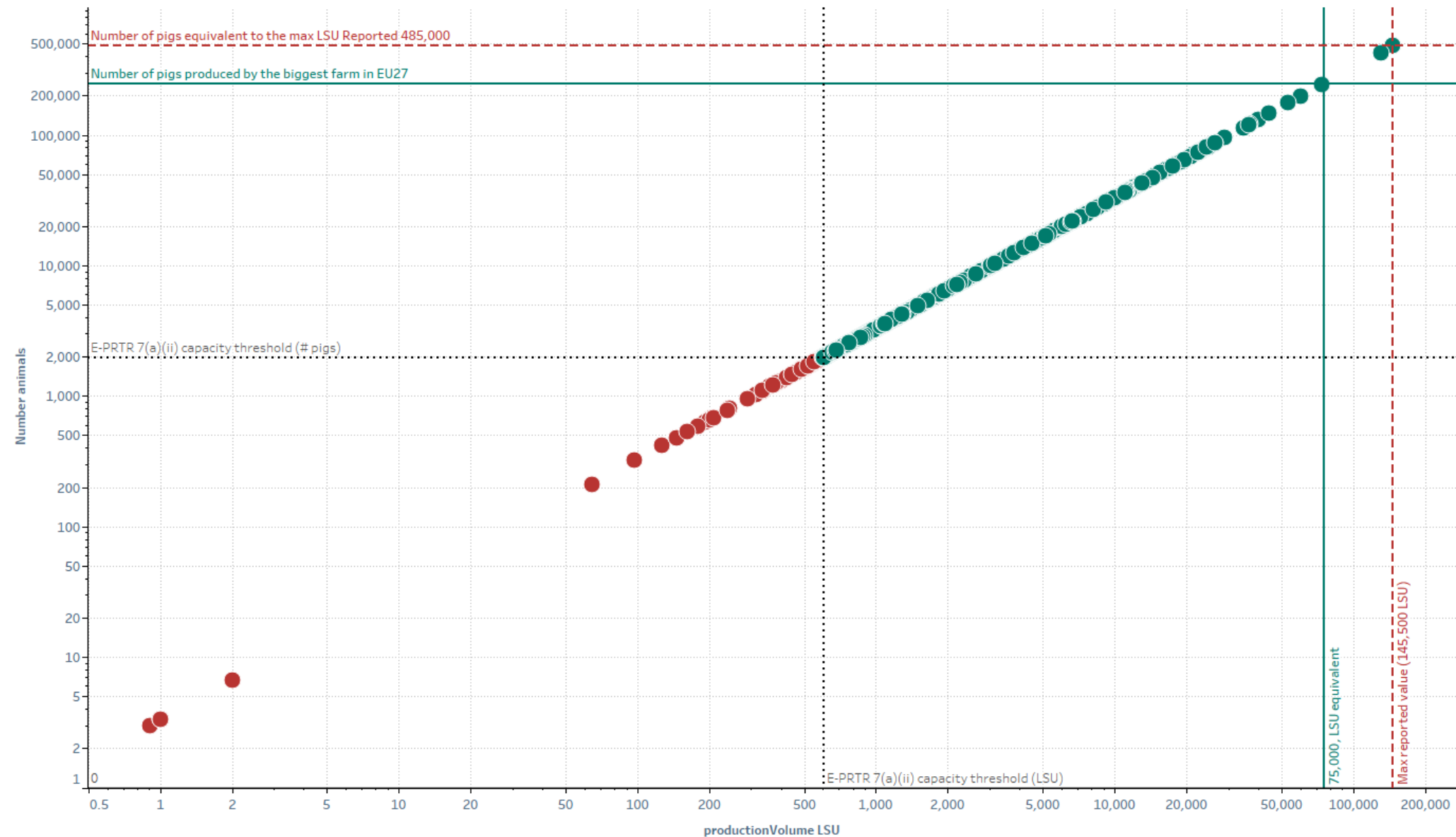
Focus on LSU

Analysis of Production Volume reported under 7(a)(i)
Conversion from reported LSU to #Animals has been done assuming all poultry is broilers



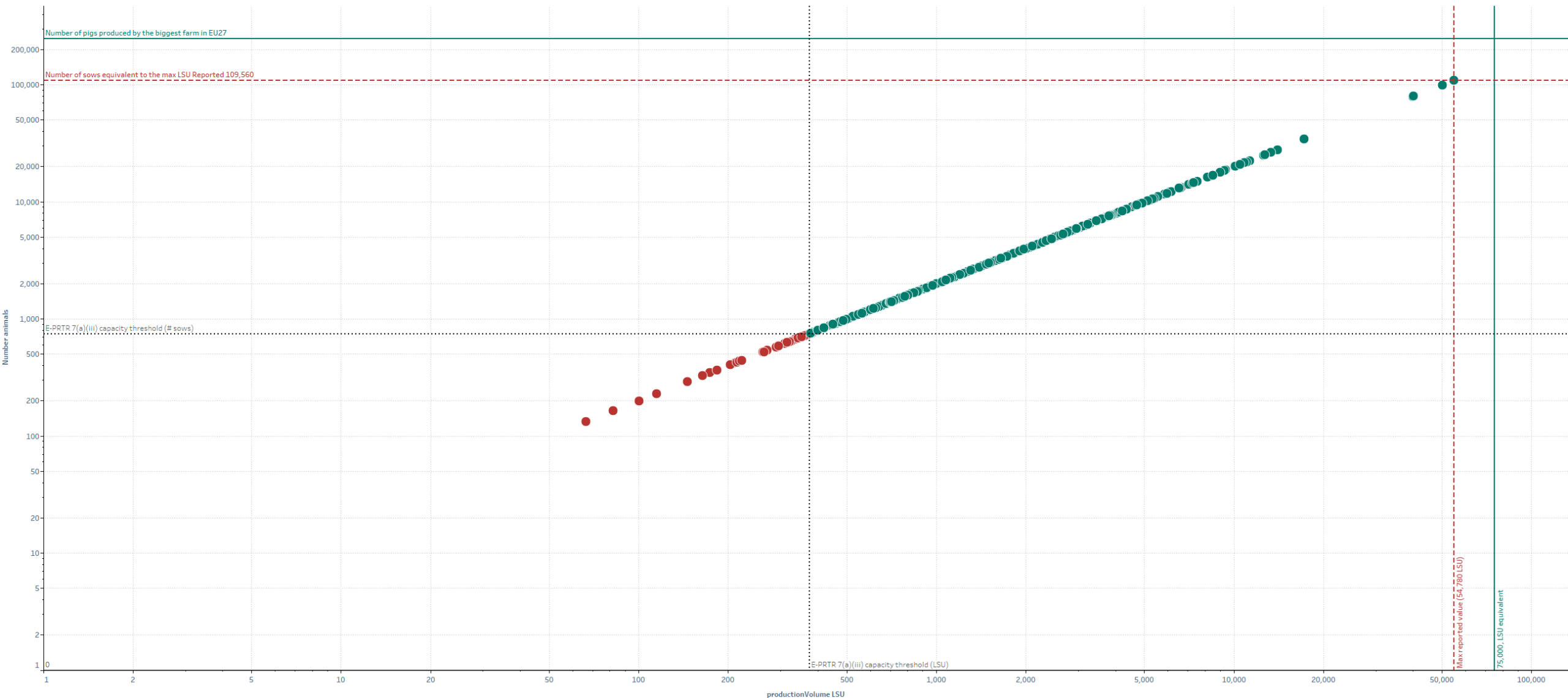
Focus on LSU

Analysis of Production Volume reported under 7(a)(ii)



Focus on LSU

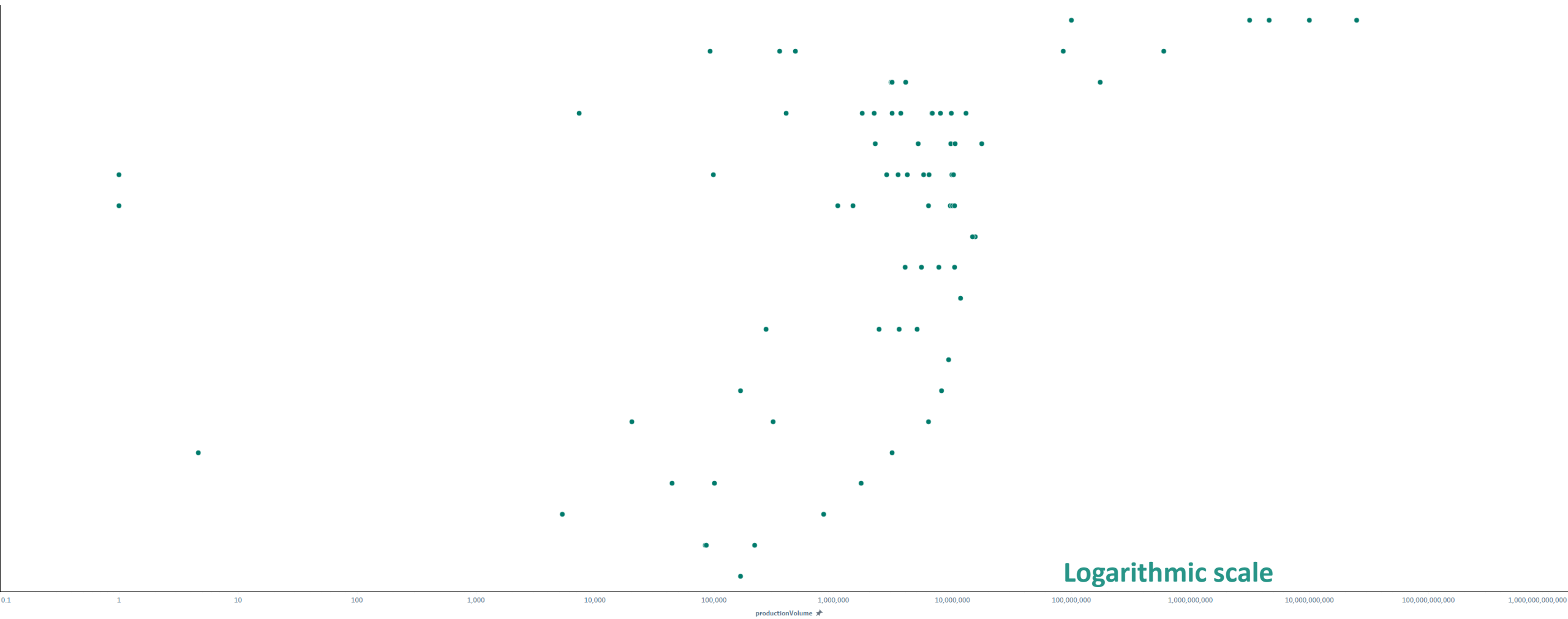
Analysis of Production Volume reported under 7(a)(iii)



Some visual support – TOE_1(a)

Distribution of production volume TOE_1(a)

Values in green have been reported against the Main Activity of the facility; value in blue against Other Activity of the facility



Logarithmic scale

Some visual support – TOP_4(e)

Total amount of production volume by Member State



Some visual support – TOP_4(a)

Total amount of production volume by Member State



Your feedback

**5 min
survey**

Scan the QR or use
link to join



[https://forms.office.com
/e/K5QsUfewqm](https://forms.office.com/e/K5QsUfewqm)

 Copy link

Improve data quality

- **Actions** needed. **Data** is **not ready** for **publication**
- **1 to 1 interaction** with reporters with specific list of findings
- **Resubmission**, if possible, **by June** (same as the postSubmission feedback)



Agenda



1

Status of reporting

2

Production Volume reporting

3

BAT-AEL codelist

4

NACE Rev 2.1 reporting



BAT-AEL for STS and FMP

- **From 2024** reporting of **BAT-AEL** is relevant for two BREF: **STS** and **FMP**
- **BAT-AEL** tool is available on CIRCABC
- **CODELIST** updated and included into **BATAELValue data dictionary** (<https://dd.eionet.europa.eu/vocabulary/euregistryonindustrialsites/BATAELValue/view>)



Agenda



1

Status of reporting

2

Production Volume reporting

3

BAT-AEL codelist

4

NACE Rev 2.1 reporting



New NACE Rev 2.1 Classification

NACE Rev 2.1

- Established by Commission Delegated Regulation (EU) 2023/137 (10 October 2022)
- **Art. 2** *"This Regulation shall apply to the data transmissions to the Commission (Eurostat) relating to each reference period from 1 January 2025"*
- **NACE Rev 2.1** to be included into EU Registry



Interaction with MS

- **Different approaches** on how NACE Rev 2.1 has been or is going to be implemented in national systems
- **Transition already happened** vs. **transition to happen**
- **Challenge** is to allow everyone to successfully report data



New NACE Rev 2.1 Classification

How it is implemented

- **NACE Rev 2.1** is added to the existing NACE Value Data Dictionary in addition to NACE Rev 2.0
- **NACE rev. 2.1** includes the **sector letter** (e.g., "A" for agriculture)
- All new codes have a "Status Modified" date of 27/03/2025



How to report data in 2024 and onwards

Timeline

- **RY 2024** – reporting can be done using **either NACE rev. 2 or NACE rev. 2.1**
- This allows **flexibility** during your transition
- **From RY 2025 - Only NACE rev. 2.1** will be accepted



Portal Regulation and IED2.0 work update

Work status

- Draft **MfR/Data Model** shared with MS reporters. Feedback is going to be analyzed
- **QA/QC working group** to have a meeting in June (tbc)
- **EC working on CIDs**
- **Further documents** to be shared **before summer**



European Environment Agency



Thank you

You can contact us at:
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