

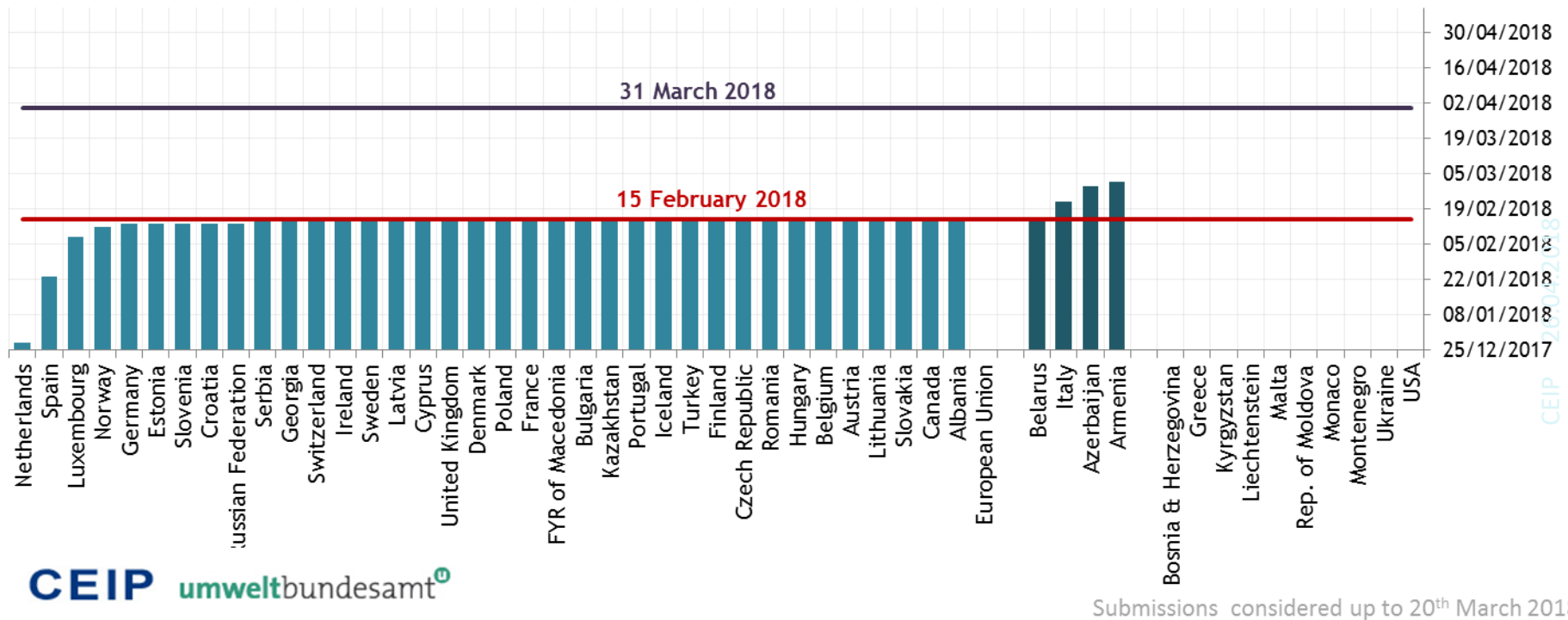


# Reporting and review of emission inventories 2018

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*TFEIP meeting, 23 april 2018, Sofia*

# Status of reporting 2018 as of 20.4.2018



CEIP umweltbundesamt<sup>®</sup>

Submissions considered up to 20<sup>th</sup> March 2018

- 40 Annex 1 tables, **(10 missing)**, EU deadline by 1<sup>st</sup> May
- 35 IIRs (69%) in 2018
- 36 Parties provided AD

# Reporting of Gridded data and LPS

- 23 Parties reported gridded data in new resolution up to 2018
- no gridded data reported for EMEP East
- Switzerland, Sweden, Germany, Croatia reported gridded data for 1990, 2000, 2005, 2010 and 2015
- 23 Parties reported LPS data before 2018
  
- **Parties are encouraged to update their gridded and LPS data ( years 1990, 1995, 2000, 2005, 2010, 2015 ) and report annually where changes in spatial patterns have occurred, so that the EMEP models can represent the most up-to-date information.**

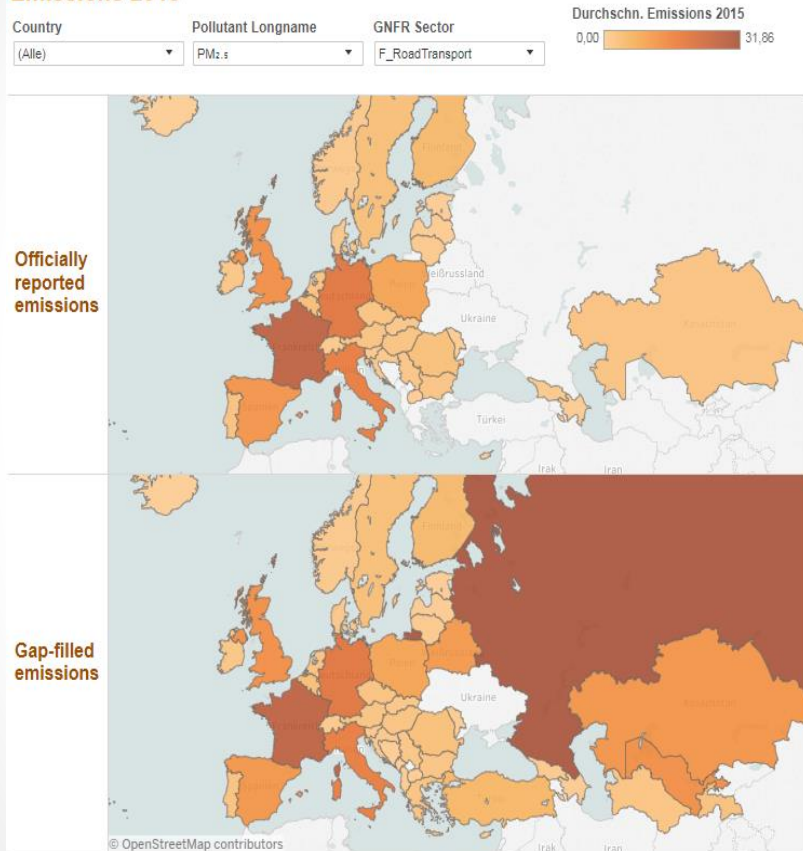
# Gridded and LPS emissions - challenges

- Exchanged longitude/latitude coordinates (2 cases)
- LPS placed outside country borders (2 cases)  
(Also some E-PRTR LPS data used as proxy information were placed outside country borders)
- Missing data: **Emissions for more than 50% area have to be gapfilled by expert estimates**
- In the **short timeframe between grid-reporting and delivering gridded data to modelers** is not enough time for detailed quality checks

# Limited completeness

## Gap-filled versus reported data 2015

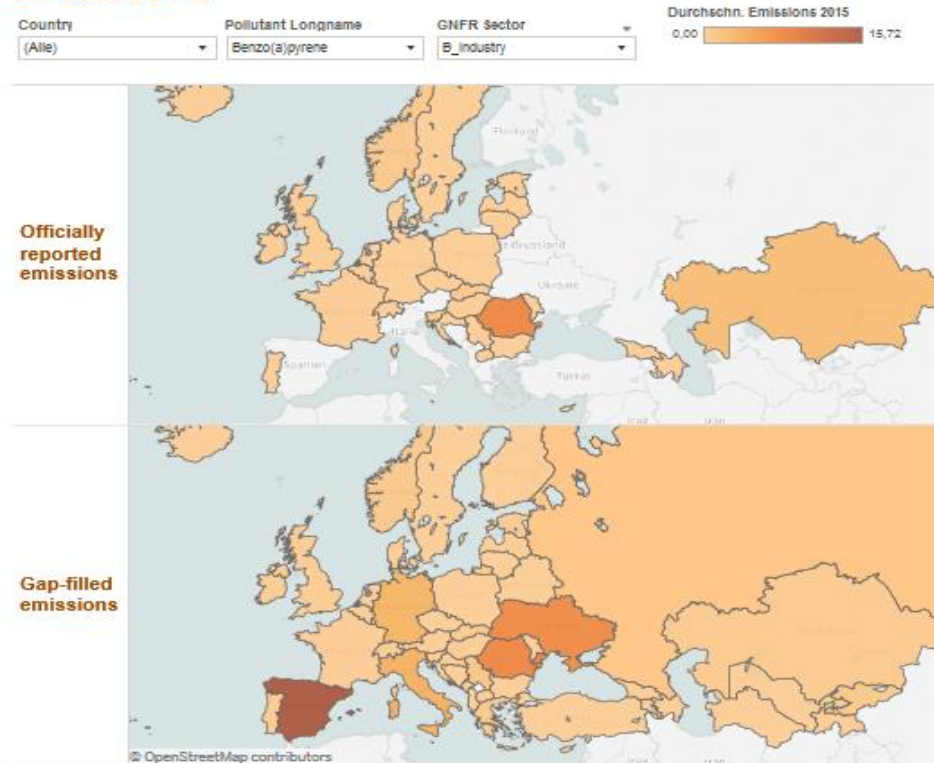
### Emissions 2015



		PM <sub>2.5</sub>		Official reported emissions include all submissions up to 2017. Gap-filled emissions include all submissions up to 28 March 2017.
		Officially reported emissions	Gap-filled emissions	
Transport	Albania		0,63 kilotonnes	
	Austria	2,59 kilotonnes	2,59 kilotonnes	

### Gap-filled versus reported data

### Emissions 2015



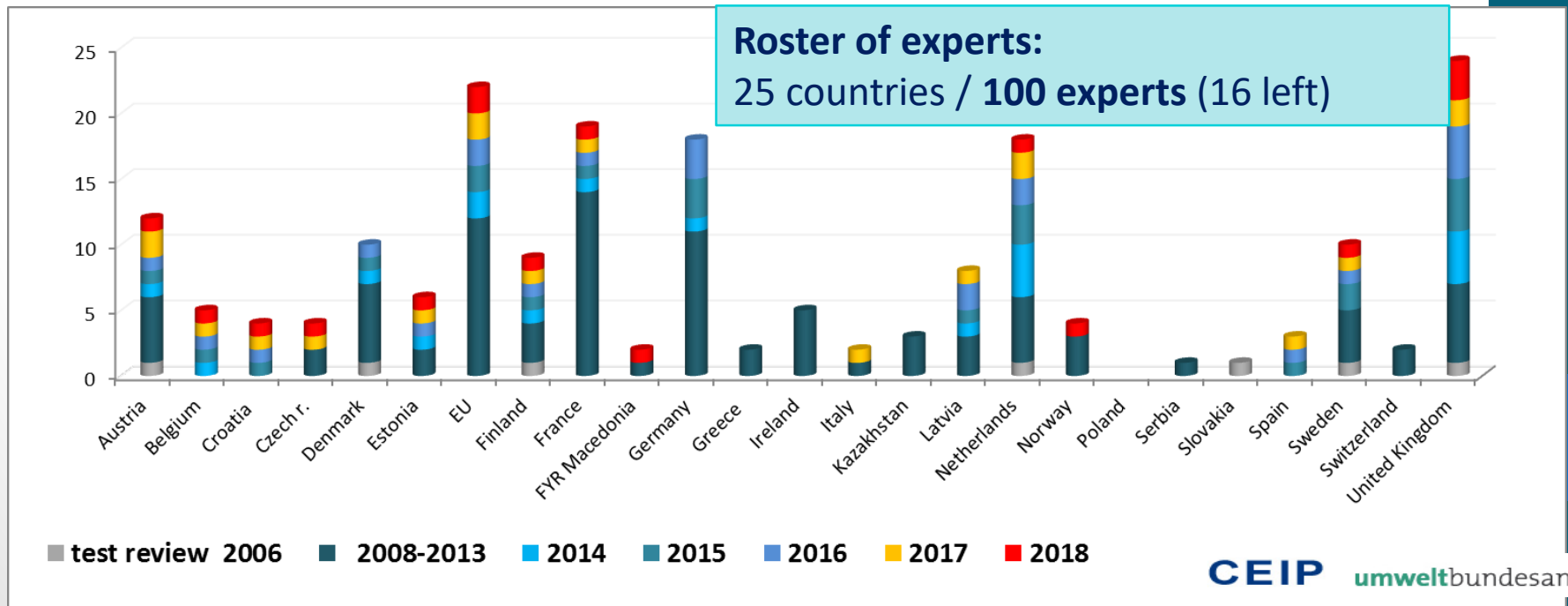
		Benzo(a)pyrene		Official reported emissions include all submissions up to 20 July 2017. Data of the gap-filled emissions include gap-filled and submitted data up to 28 March 2017.
		Officially reported emissions	Gap-filled emissions	
B_Industry	Albania		0,18 tonnes	
	Armenia		0,00 tonnes	
	Austria		0,11 tonnes	
	Azerbaijan	0,03 tonnes	0,03 tonnes	
	Belarus		0,10 tonnes	
	Belgium	0,13 tonnes	0,13 tonnes	
	Bosnia and Herzegovina		0,00 tonnes	
	Bulgaria	0,00 tonnes	0,00 tonnes	
	Croatia	0,10 tonnes	0,10 tonnes	
	Cyprus			
	Czech Republic			

# Technical review of AE inventories

- Initial checks – formal criteria (timeliness, completeness,...)- all countries
- Extended checks – consistency, comparability, recalculations, KCA, trends, .. (national totals, (GNFR), pollutants)- all countries
- **NEW: Findings** are provided to countries **2 times**, beginning March (before resubmission deadline) and mid April via [http://www.ceip.at/review\\_results/](http://www.ceip.at/review_results/)
- Tests are regularly extended
- In-depth review – consistency, comparability, recalculations, KCA, accuracy (NFR sectoral level) -selected countries (up to 10 annually)

# In depth review of national inventories

- In depth review 2018 (S3): **7 countries**, limited data , very **limited feedback from the countries so far**
- 2 ERTs / 2 LRs +17SE (including adjustment review) /not complete teams
- Test revised review guidelines and calculate technical corrections



# Long-term;

## in-depth review 2018 - 2020

- Review plan approved by EMEP SB meeting in Sept. 2017
- Harmonized approach with EU/EEA

### 2018

Moldova (no data 2018, but 2017 OK)

Armenia (no IIR)

Finland

Belarus

Ukraine (NFR 2017, IIR 2016)

Montenegro ? (no data since 2011)

Azerbaijan

### 2019

Turkey

B&H

FYR of Macedonia

Serbia

Russian Fed

Albania

Georgia

### 2020

Liechtenstein

Switzerland

Kyrgyzstan

Kazakhstan

Monaco

EU

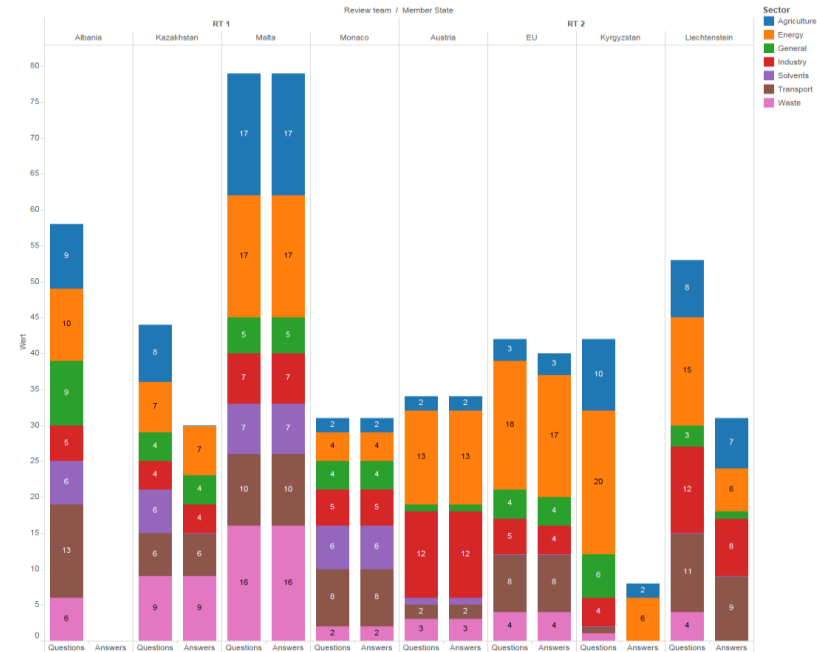
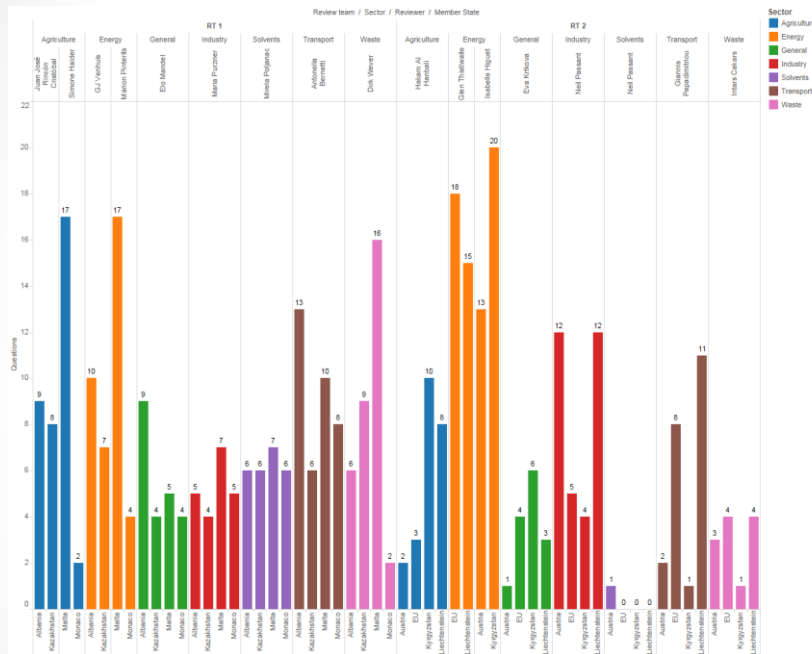
Second round: 2013-2017; 45 countries reviewed  
First review round 2008-2012; 44 countries reviewed



# R3 2017 Progress

Questions/answers  
per sector / reviewer (20-30)

Questions/answers  
per Party (max 80)



## ➤ Review of 8 Parties completed in 2017

- Up to **80 questions** for a Party, **20 - 40 issues** identified by reviewer
- Revised review guidelines including calculation of TC tested
- **Cooperation** with review under NECD directive considered useful but does not resulted in reduced workload for ERT and /or CEIP

# TC lessons learned (observations of LRs)

- **New item** in the review process / An additional task not easy to manage given the same deadline and time budget than before
- For some countries (generally non EU MS), there are **many not estimated emissions**, so it would be very time consuming for ERT to estimate emissions for most of all these missing categories in the frame of the TC process + identification of cases above the threshold.
- **The time /budget of CLRTAP review is rather limited** and it would be difficult to extend voluntary effort for the CLRTAP review.

TC / PTC	Nb TC (*)	Nb identified PTC (*)
Austria	0	0
EU	0	0
Kyrgyzstan	3	15
Liechtenstein	2	7

(\*) : the number is higher if we count the differ

# TC next / LR Recommendations

- **The significance threshold to be discussed during TFEIP meeting**
- Instructions to be elaborated and examples needed if this should become a standard part of the review
- Possible options to examine for next years, if TC process is adopted for the CLRTAP review :
  - Option 1 : TC process to be managed mainly before S3 - stage 3 review (e.g. during S2: -> more time / more complete TCs , but **difficulty of timing and voluntary resources**).
  - Option 2 : **TC process to be continued after the S3**: -> more time for Party to respond to the PTC and TC, but difficulty of timing with the holiday period and voluntary resources needed.
  - Option 3 : Mainly focusing TC process during S3 (as this trial year): -> no need of further voluntary resources, no change in the timing/deadline, **but limited TC investigations and no reasonable time for Party to react to TCs**.
  - Option 4 : one of option 1-2-3 combined with a share of TC process with the NECD review : e.g. NECD review focusing on TC for EU MS, CLRTAP focusing on TC for non EU MS.

# Review of adjustment under GP in 2018

- Parallel with S3 review
- Aim harmonized approach with review under NECD

**7 countries submitted approved adjustments;**

**> 30 cases (sector/ pollutant/ country)**

- **(Annex VII + Declaration on consistent reporting)**
- Adjustment DB [http://webdab1.umweltbundesamt.at/cgi-bin/adj\\_GP.pl?p\\_iso2B=ALL&p\\_subm\\_yearB=2017&p\\_pollutantB=ALL](http://webdab1.umweltbundesamt.at/cgi-bin/adj_GP.pl?p_iso2B=ALL&p_subm_yearB=2017&p_pollutantB=ALL)
- Some recalculations to be checked in more detail (LU, FR?, ...)

**Two new applications:**

- Hungary: NMVOC/ Agriculture (Annex B1 provided)
- Great Britain: NOx/ Road transport (Annex B1 provided)
- **Country CONTACT POINTS to be nominated to CEIP ASAP**
- Timing: draft reports plus recommendation of review team beginning of June, recommendations to EMEP end of June



# CONTACT & INFORMATION

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TFEIP Meeting - Workshop

Sofia ● 25.04.2018