

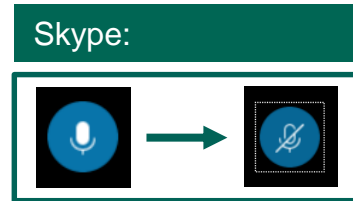
# Updates to Streamlined LCP + E-PRTR Reporting to accommodate the Commission Implementing Decision

-Webinar

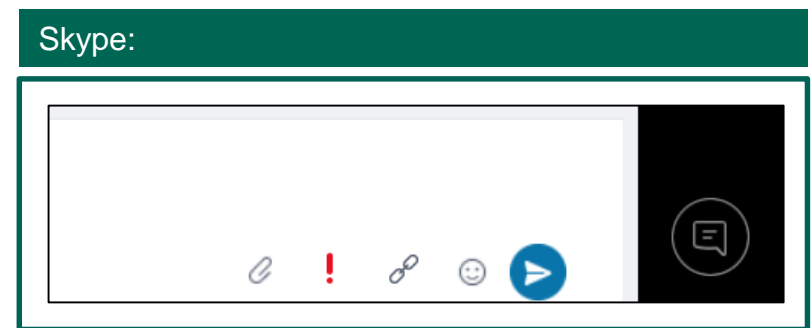
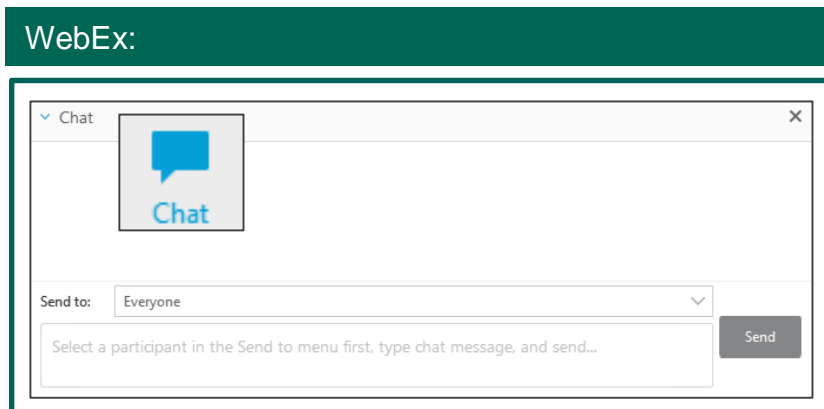


# Webinar logistics

- Please keep all microphone **muted** during the main presentation.



- The main presentation will be **recorded**.
- The main presentation will be followed by a question and answer session.
  - To raise a question please type in the **messaging function** either:
    - The question itself
    - Or request the floor to speak through the microphone, by typing 'floor'



# Main presentation content

- Project rationale
- Overview of the reporting data flows
- Overview of the Commission Implementing Decision (CID)

Part 1: Background

- Update on project timelines
- Update on all changes to the data model and Access template
- Update on changes to project documentation

Part 2: Updates on progress

- Future work
- Recap of project timelines
- Questions and feedback

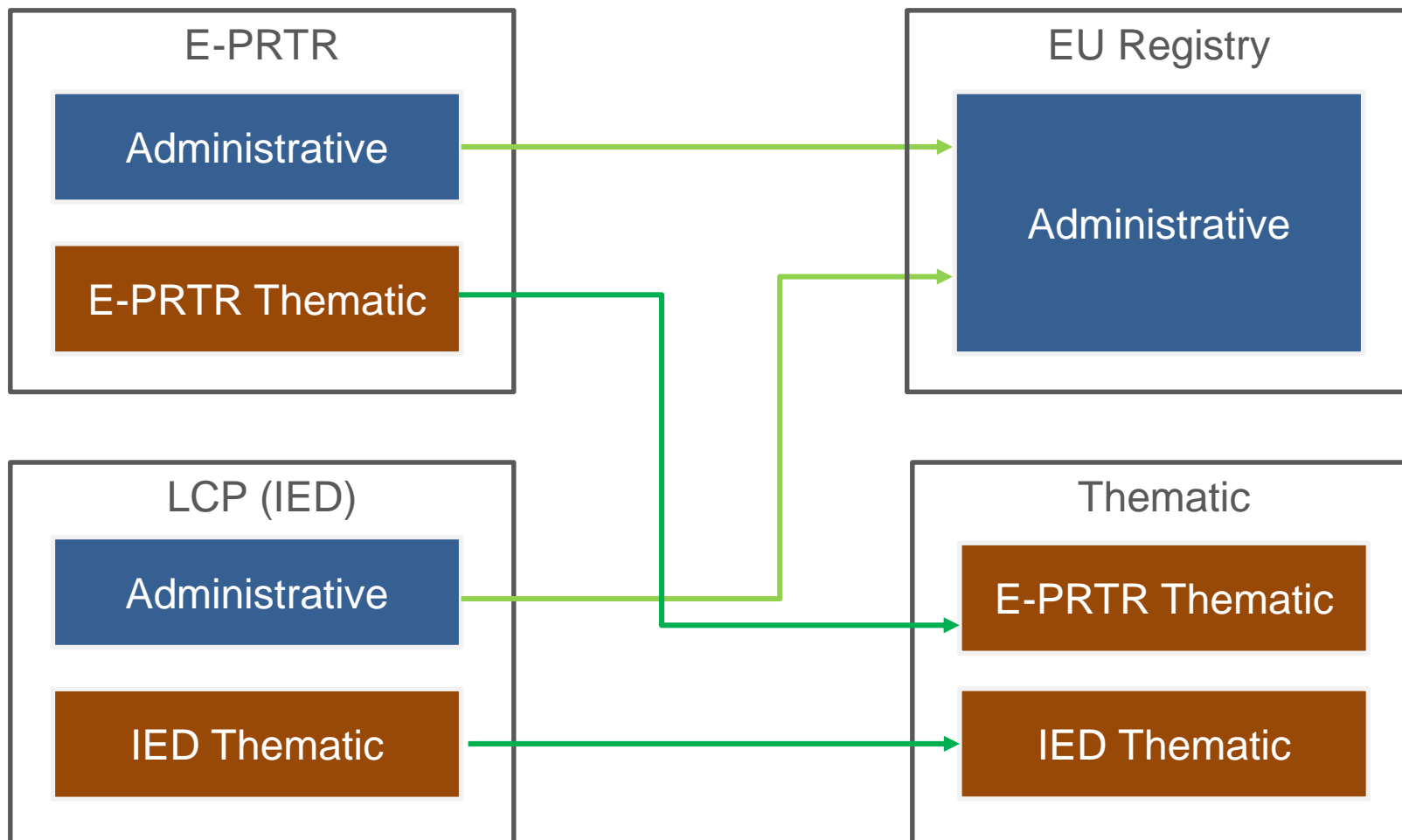
Part 3: Future work and questions



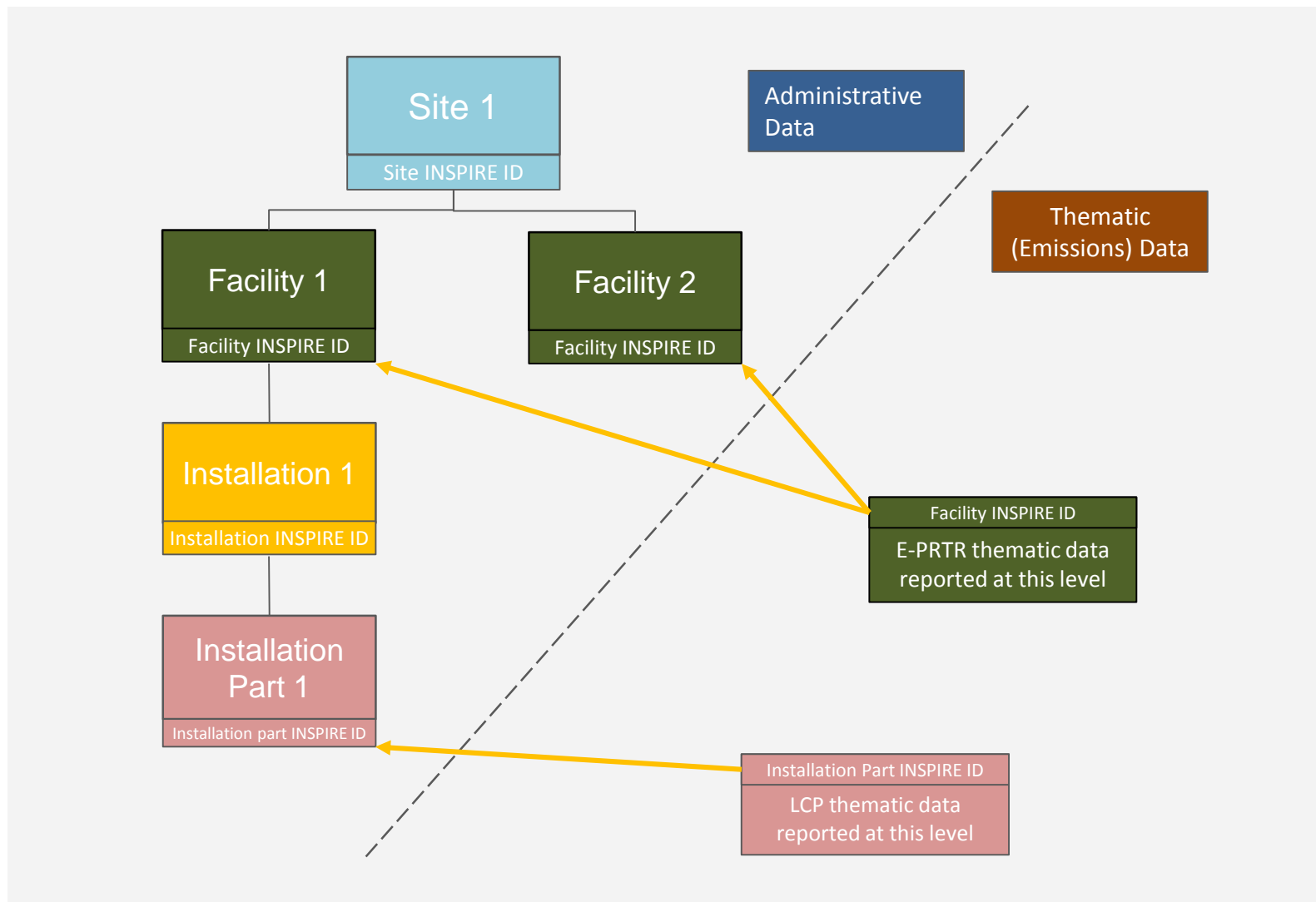
# Integration of reporting

- **Why the integration of reporting?**
  - European Commission decision in 2014
  - E-PRTR and LCP fit well together
  - Reduce the cost of data management and review, both for data providers and the EEA
  
- **Address key problems:**
  - Different identifiers assigned for different reporting requirements
  - Different rules on handling changes over time (splits, mergers, etc.)
  - Duplications and inconsistencies
  - Reduce reporting burden

# Relationship to previous reporting flows

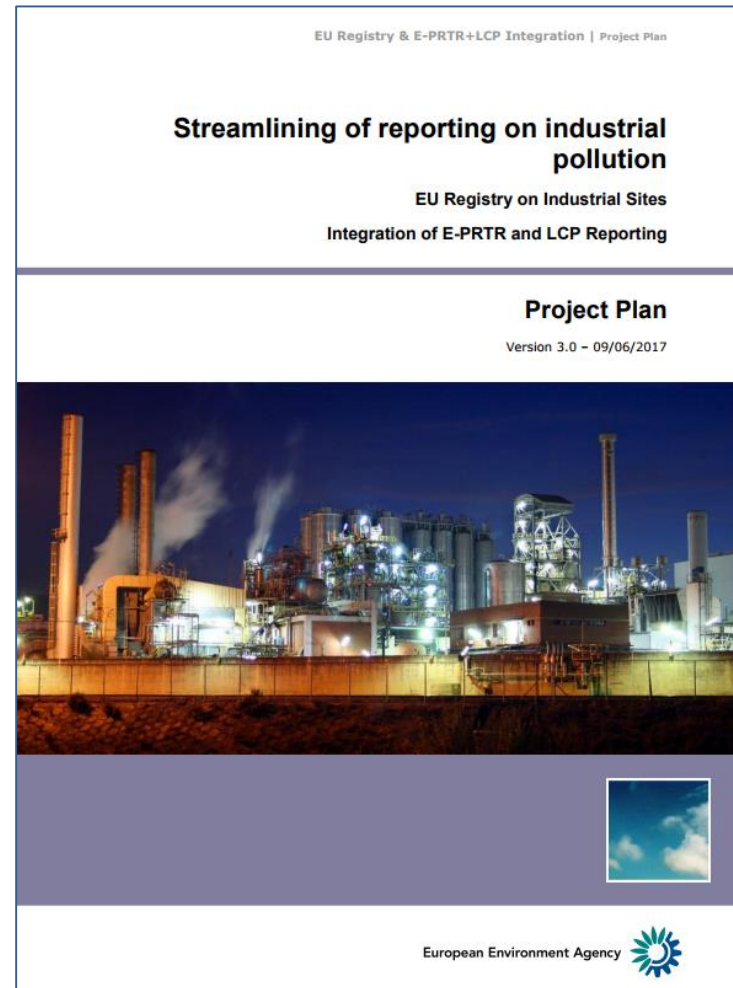


# EU Registry structure & thematic connectivity



# Project plan

- Two Project websites:
- For the EU Registry
  - [http://cdrtest.eionet.europa.eu/help/ied\\_registry](http://cdrtest.eionet.europa.eu/help/ied_registry)
- For Thematic reporting
  - [http://cdrtest.eionet.europa.eu/help/eprtr\\_lcp](http://cdrtest.eionet.europa.eu/help/eprtr_lcp)



# Scope definition

- EU Registry contains all administrative information for:
  - E-PRTR facilities & associated sites which are subject to **Annex I** of the E-PRTR Regulation (without consideration of **Annex II** or **Article 5 thresholds**)
  - IED installations subject to **Annex I** of the IED
  - Installation parts (either **LCP** or **waste incinerators** under the IED)

ANNEX I

Activities

No	Activity	Capacity threshold
1.	Energy sector	
(a)	Mineral oil and gas refineries	* (i)
(b)	Installations for gasification and liquefaction	*
(c)	Thermal power stations and other combustion installations	With a heat input of 50 megawatts (MW)
(d)	Coke ovens	*
(e)	Coal rolling mills	With a capacity of 1 tonne per hour
(f)	Installations for the manufacture of coal products and solid smokeless fuel	*
2.	Production and processing of metals	
(a)	Metal ore (including sulphide ore) roasting or sintering installations	*
(b)	Installations for the production of pig iron or steel (primary or secondary melting) including continuous casting	With a capacity of 2,5 tonnes per hour
(c)	Installations for the processing of ferrous metals:	
(i)	Hot-rolling mills	With a capacity of 20 tonnes of crude steel per hour
(ii)	Smitheries with hammers	With an energy of 50 kilojoules per hammer, where the calorific power used exceeds 20 MW
(iii)	Application of protective fused metal coats	With an input of 2 tonnes of crude steel per hour
(d)	Ferrous metal foundries	With a production capacity of 20 tonnes per day
(e)	Installations:	
(i)	For the production of non-ferrous crude metals from ore, concentrates or secondary raw materials by metallurgical, chemical or electrolytic processes	*
(ii)	For the smelting, including the alloying, of non-ferrous metals, including recovered products (refining, foundry casting, etc.)	With a melting capacity of 4 tonnes per day for lead and cadmium or 20 tonnes per day for all other metals
(f)	Installations for surface treatment of metals and plastic materials using an electrolytic or chemical process	Where the volume of the treatment vats equals 30 m <sup>3</sup>
3.	Mineral industry	
(a)	Underground mining and related operations	*
(b)	Opencast mining and quarrying	Where the surface of the area effectively under extractive operation equals 25 hectares
(c)	Installations for the production of:	
(i)	Cement clinker in rotary kilns	With a production capacity of 500 tonnes per day
(ii)	Lime in rotary kilns	With a production capacity of 50 tonnes per day
(iii)	Cement clinker or lime in other furnaces	With a production capacity of 50 tonnes per day
(d)	Installations for the production of asbestos and the manufacture of asbestos-based products	*



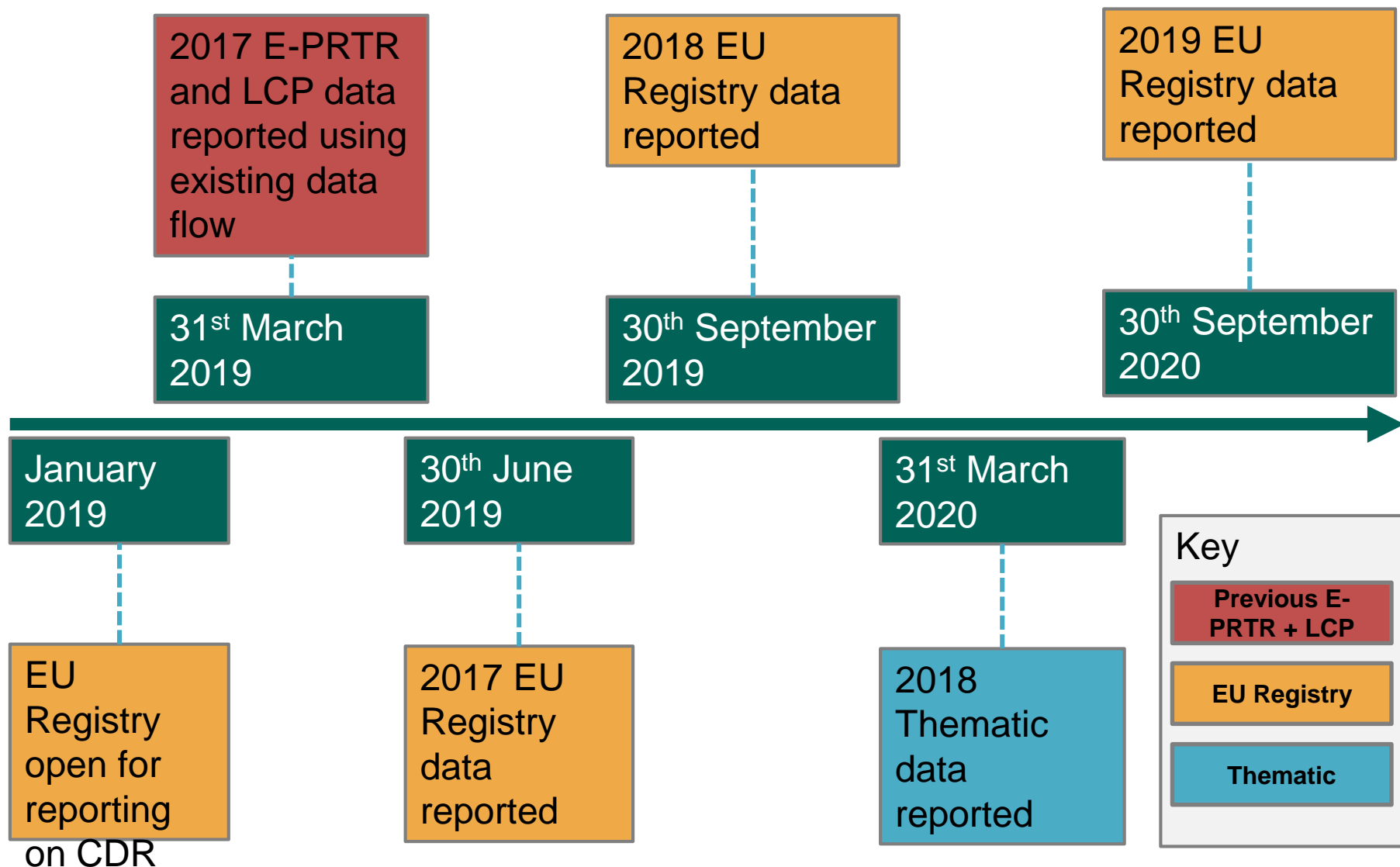


# Commission Implementing Decision (EU) 2018/1135

- EEA member states **voted positively on 8<sup>th</sup> June 2018** to adopt the CID.
- Formally adopted on 10<sup>th</sup> August 2018.
- Supports the introduction of the **EU Registry on Industrial Sites**.
- Provides basis for **linking E-PRTR** facilities and sites to **IED** installations and installation parts.
- A number of revisions to EU Registry data model are necessary.
- Revisions to **reporting deadlines**.

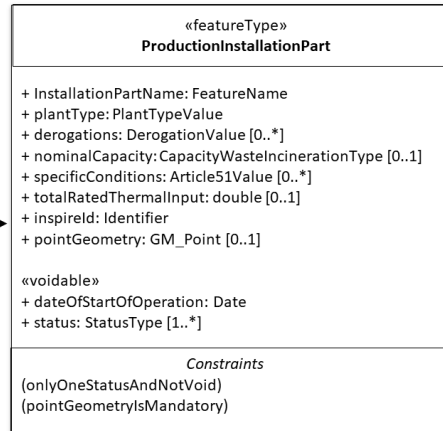
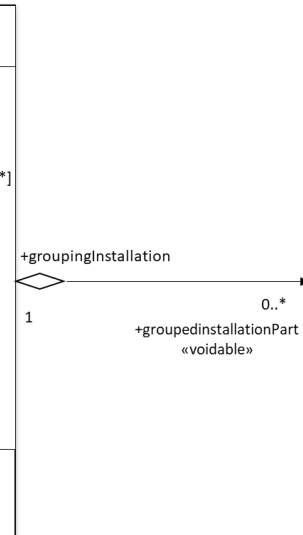
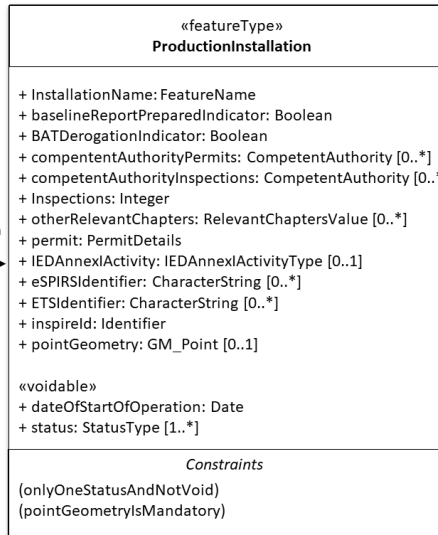
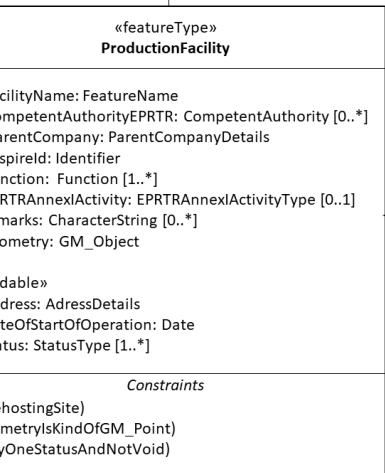
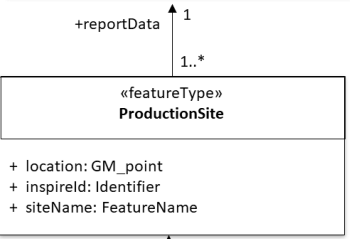
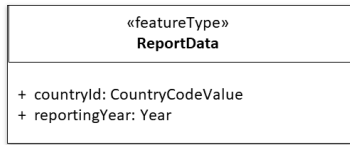


# Revised reporting timeline



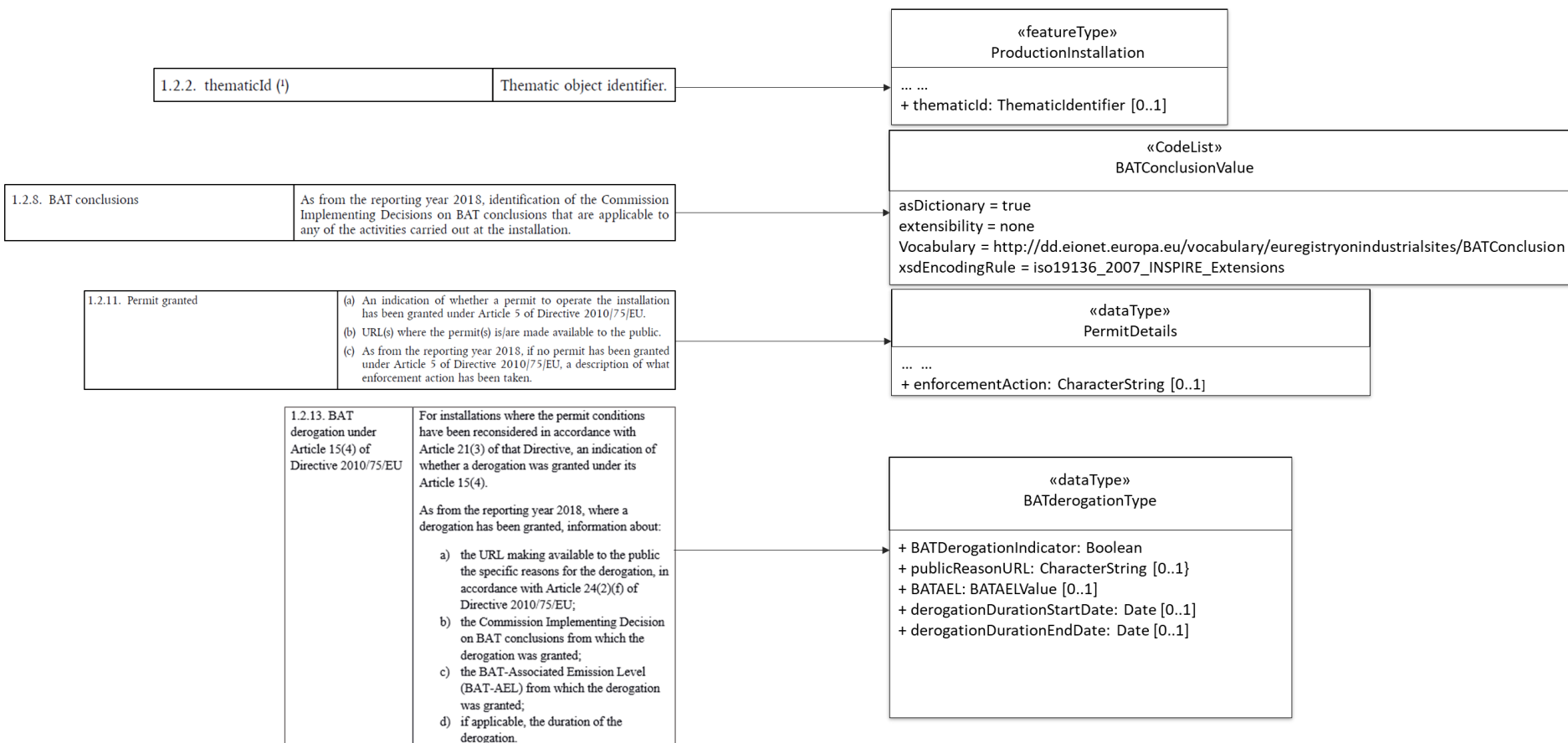
# EU Registry Pre-CID Data Model

Pre-CID data model



# Updated CID attributes

## Interpretation of the CID



# Updated CID attributes

Interpretation of the CID continued

1.2.14. Stricter permit conditions	<p>As from the reporting year 2018, for installations where the permit conditions have been reconsidered in accordance with Article 21(3), a specification of whether the permit sets stricter emission limit values than the lower value of the BAT-AEL range, indicating:</p> <p>a) the applicable Commission Implementing Decisions on BAT conclusions;</p> <p>b) the applicable BAT-AEL;</p> <p>c) whether those stricter emission limit values were set pursuant to Article 14(4) or Article 18 of Directive 2010/75/EU or both of those Articles.</p>
------------------------------------	---

«dataType» StricterPermitConditionsType
+ stricterPermitConditionsIndicator: Boolean + BATAEL: BATAELValue [0..1] + article14(4): Boolean + article18: Boolean

1.2.15. Site visits (inspections)	<p>a) The number of site visits to the production installation which were carried out by the competent authority during the reporting year; and</p> <p>b) As from the reporting year 2018, the specific URL of the last site visit report, or a generic URL explaining how individual visit reports can be publicly accessed in accordance with Article 23(6) second subparagraph.</p>
-----------------------------------	--

«dataType» SiteVisitsType
+ siteVisitNumber: Integer + siteVisitURL: CharacterString [0..1]

1.2.16. Emission monitoring data	<p>As from the reporting year 2018, an indication of how the results of emission monitoring have been made available to the public under Article 24(3)(b), including a URL if websites have been created for this purpose.</p>
----------------------------------	--

«featureType» ProductionInstallation
... .. + publicEmissionMonitoring: CharacterString [0..1] + publicEmissionMonitoring URL: CharacterString [0..1] + remarks: CharacterString [0..1] ... ..

1.2.19. Remarks	Any other relevant information. Optional.
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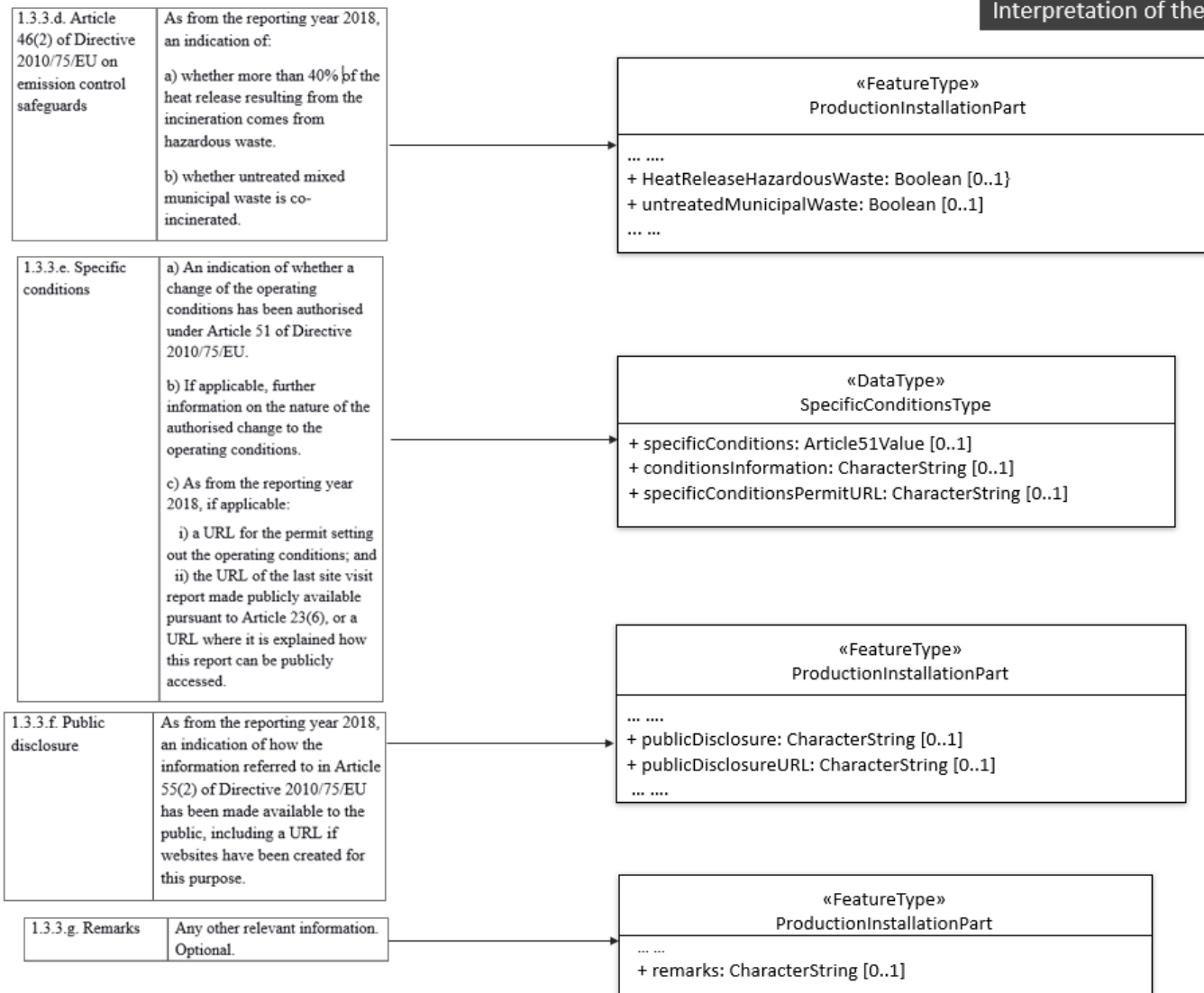
1.3.3.c. Permitted capacity for non-hazardous waste	Total permitted capacity for non-hazardous waste incineration and co-incineration.
---	--

«DataType» CapacityWasteIncinerationType
... .. + permittedCapacityNonHazardous: double [0..1] ... ..



# Updated CID attributes

Interpretation of the CID continued



# Other changes to the data model

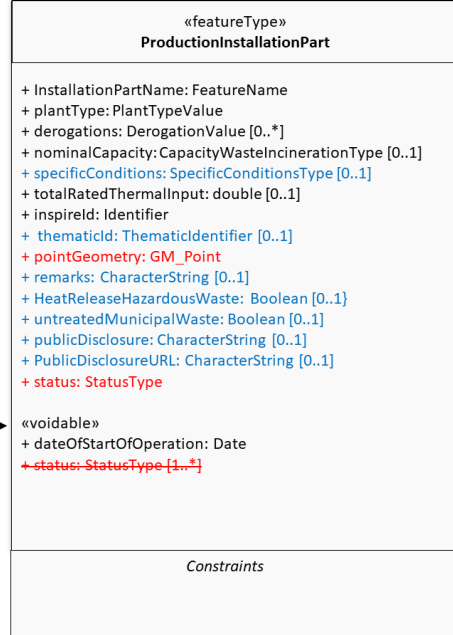
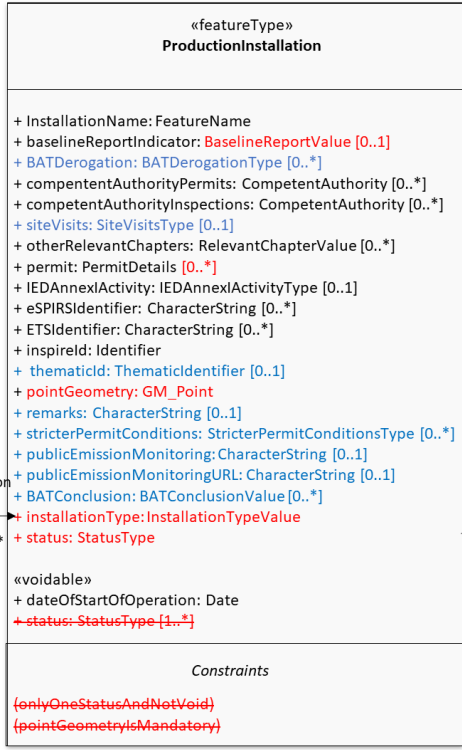
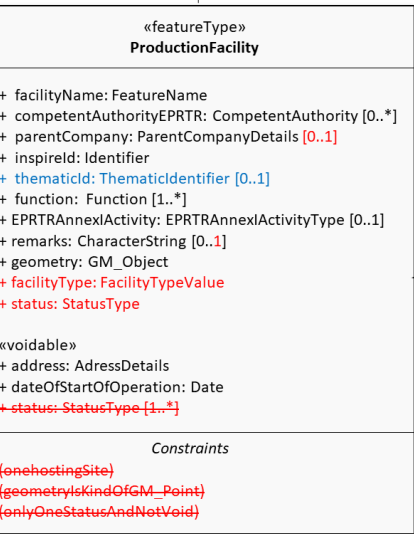
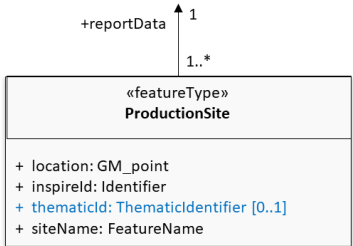
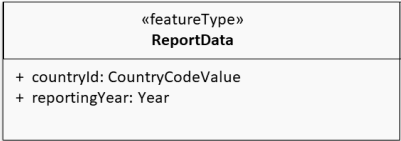
- Some changes made to improve data quality and integrity.
- Attributes added:
  - facilityType
  - installationType
- Attributes edited:
  - parentCompany – Multiplicity changed from [1..1] to [0..1]
  - baselineReportIndicator – Changed from Boolean to code list
  - pointGeometry – Multiplicity changed from [0..1] to [1..1]
  - status – ‘Voidability’ removed
- All ‘constraints’ removed

# EU Registry Post-CID Data Model

Post-CID data model

Key:

- Red – Altered by necessary revisions to the data model
- Blue – Altered to accommodate CID
- Red – Removed from data model





# Post-CID revised data types

Post-CID new or revised data types

«DataType»  
SpecificConditionsType

- + specificConditions: Article51Value [0..1]
- + conditionsInformation: CharacterString [0..1]
- + specificConditionsPermitURL: CharacterString [0..1]

«DataType»  
CapacityWasteIncinerationType

- + totalNominalCapacityAnyWasteType: double
- + permittedCapacityHazardous: double ~~[0..1]~~
- + permittedCapacityNonHazardous: double

«dataType»  
StricterPermitConditionsType

- + StricterPermitConditionsIndicator: Boolean
- + BATAEL: BATAELValue [0..1]
- + Article14.4: Boolean
- + Article 18: Boolean

«dataType»  
PermitDetails

- + permitGranted: Boolean
- + permitReconsidered: Boolean
- + permitUpdated: Boolean
- + dateOfGranting: Date [0..1]
- + ~~dateOfLastReconsideration: Date [0..1]~~
- + dateOfLastUpdate: Date [0..1]
- + permitURL: CharacterString [0..1]
- + enforcementAction: CharacterString [0..1]

«dataType»  
BATderogationType

- + BATDerogationIndicator: Boolean
- + publicReasonURL: CharacterString [0..1]
- + BATAEL: BATAELValue [0..1]
- + derogationDurationStartDate: Date [0..1]
- + derogationDurationEndDate: Date [0..1]

«dataType»  
SiteVisitsType

- + SiteVisitNumber: Integer
- + SiteVisitURL: CharacterString [0..1]



# Post-CID new code lists

## Post-CID new code lists

«CodeList»  
BATConclusionValue

asDictionary = true  
Extensibility = none  
Vocabulary = <http://dd.eionet.europa.eu/vocabulary/euregistryonindustrialsites/BATConclusion>  
xsdEncodingRule = iso19136\_2007\_INSPIRE\_Extensions

«CodeList»  
BaselineReportValue

asDictionary = true  
Extensibility = none  
Vocabulary = <http://dd.eionet.europa.eu/vocabulary/euregistryonindustrialsites/BaselineReportValue>  
xsdEncodingRule = iso19136\_2007\_INSPIRE\_Extensions

«CodeList»  
BATAELValue

asDictionary = true  
Extensibility = none  
Vocabulary = <http://dd.eionet.europa.eu/vocabulary/euregistryonindustrialsites/BATAELValue>  
xsdEncodingRule = iso19136\_2007\_INSPIRE\_Extensions

«CodeList»  
FacilityTypeValue

asDictionary = true  
Extensibility = none  
Vocabulary = <http://dd.eionet.europa.eu/vocabulary/euregistryonindustrialsites/FacilityTypeValue>  
xsdEncodingRule = iso19136\_2007\_INSPIRE\_Extensions

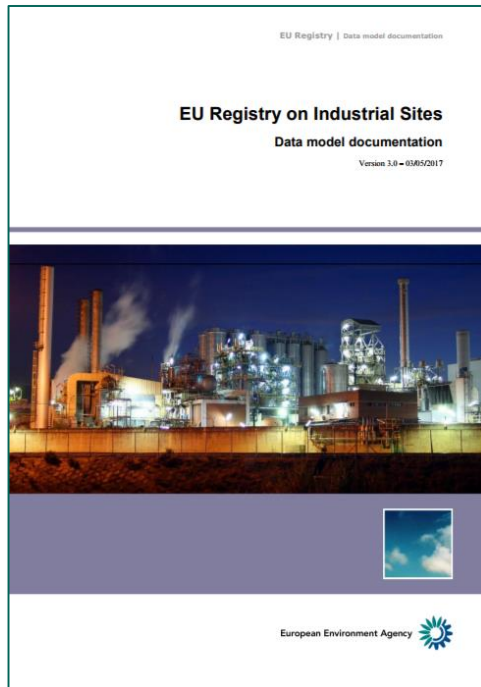
«CodeList»  
InstallationTypeValue

asDictionary = true  
Extensibility = none  
Vocabulary = <http://dd.eionet.europa.eu/vocabulary/euregistryonindustrialsites/InstallationTypeValue>  
xsdEncodingRule = iso19136\_2007\_INSPIRE\_Extensions



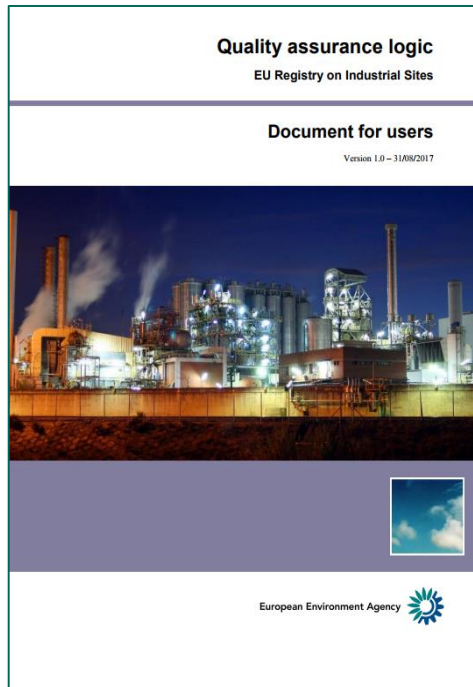
# Main documents for EU Registry:

## Data model documentation



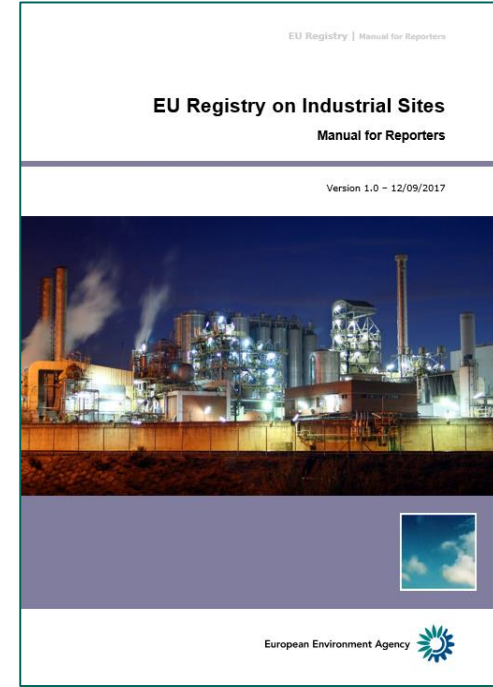
**Purpose:** Development and detail of data model contents.

## QA/QC Logic



**Purpose:** Details of complex automated checks in place in the CDR.

## Manual for Reporters



**Purpose:** Information on how attributes should be populated, data model, and reporting process.

# EU Registry QA/QC Logic

- **New checks:**
  - C1 – **Data control** checks
    - C1.1 - 2017 reporting year versus 2018 and later reporting years
    - C1.2 - Facility Type
    - C1.3 – Installation Type
  - New **code list** checks
  - C13.8 - **DateOfStartOfOperation** future year
- **Checks removed:**
  - C7.3 dateofStartOperation to dateofGranting comparison
  - C7.5 dateofLastReconsideration plausibility
  - C12.8 Character string space identification

# EU Registry QA/QC Logic

- Checks **edited** to be valid from **2018 onwards only**:
  - C3.1, C4.5 – C4.12, C5.6, C6.2, C6.4, C7.5, C9.3, C9.5, C9.6, C10.2, C10.6 – C10.8 and C13.4.
- Other checks edited:

Check	Edits
C4.9 ProductionSite and Facility Continuity	Analyses InspireId continuity instead of status.
C6.1 EPRTRAnnexIActivity uniqueness	Only applies when both mainActivity and otherActivity attributes are populated.
C6.3 IEDAnnexIActivity uniqueness	Only applies when both mainActivity and otherActivity attributes are populated.
C8.3 dateOfGranting plausibility	Adjusted as dateOfLastReconsideration is no longer supported by CID.
C11.1 otherRelevantChapters to plantType comparison	Only one installation part need be associated not all installation parts.
C11.2 LCP plantType	Derogations field need not be populated.
C11.4 WI plantType	Additional attributes required from 2018 onwards.
C11.5 nominalCapacity plausibility	Adapted to include non-hazardous waste capacity. Changed from blocking to warning.



# EU Registry Access template

All Access Objects

Search...

Tables

- CapacityWasteIncinerationType
- CompetentAuthorityEPTR
- CompetentAuthorityInspections
- CompetentAuthorityPermits
- Derogations
- EPTRAnnexActivityType
- Function
- IEDAnnexActivityType
- OtherRelevantChapters
- ParentCompanyDetails
- PermitDetails
- ProductionFacility
- ProductionFacilityAddressDetails
- ProductionFacilityFeatureName
- ProductionInstallation
- ProductionInstallationFeatureName
- ProductionInstallationPart
- ProductionInstallationPartFeatureName
- ProductionSite
- ProductionSiteFeatureName
- ReportData
- SpecificConditions



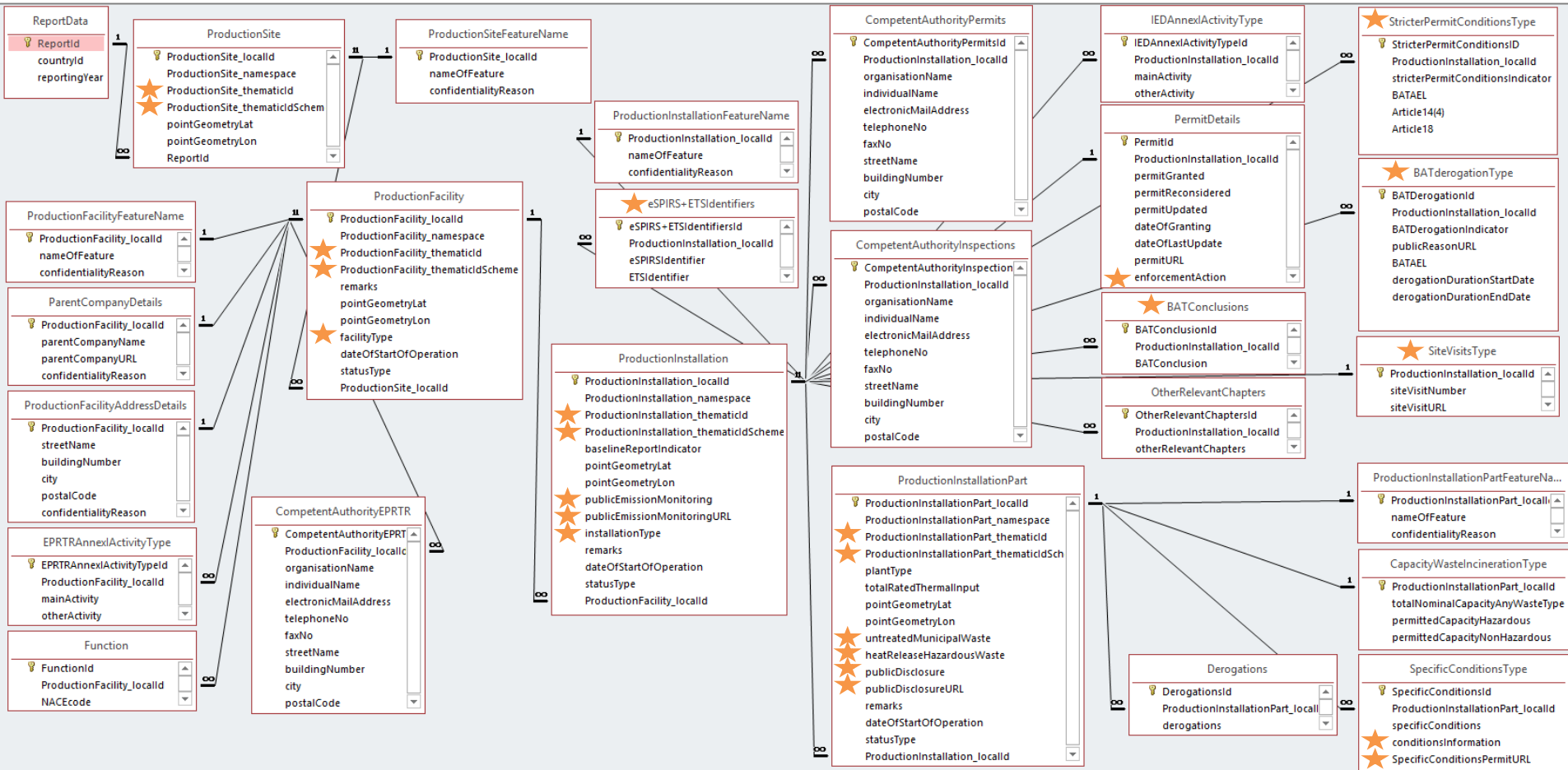
All Access Objects

Tables

- BATConclusions
- BATderogationType
- CapacityWasteIncinerationType
- CompetentAuthorityEPTR
- CompetentAuthorityInspections
- CompetentAuthorityPermits
- Derogations
- EPTRAnnexActivityType
- eSPIRS+ETSIdentifiers
- Function
- IEDAnnexActivityType
- OtherRelevantChapters
- ParentCompanyDetails
- PermitDetails
- ProductionFacility
- ProductionFacilityAddressDetails
- ProductionFacilityFeatureName
- ProductionInstallation
- ProductionInstallationFeatureName
- ProductionInstallationPart
- ProductionInstallationPartFeatureName
- ProductionSite
- ProductionSiteFeatureName
- ReportData
- SiteVisitsType
- SpecificConditionsType
- StricterPermitConditionsType



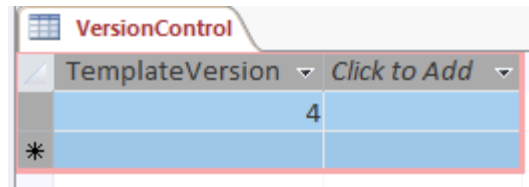
# EU Registry Access template



★ - New attribute/ table



# Access template internal version control



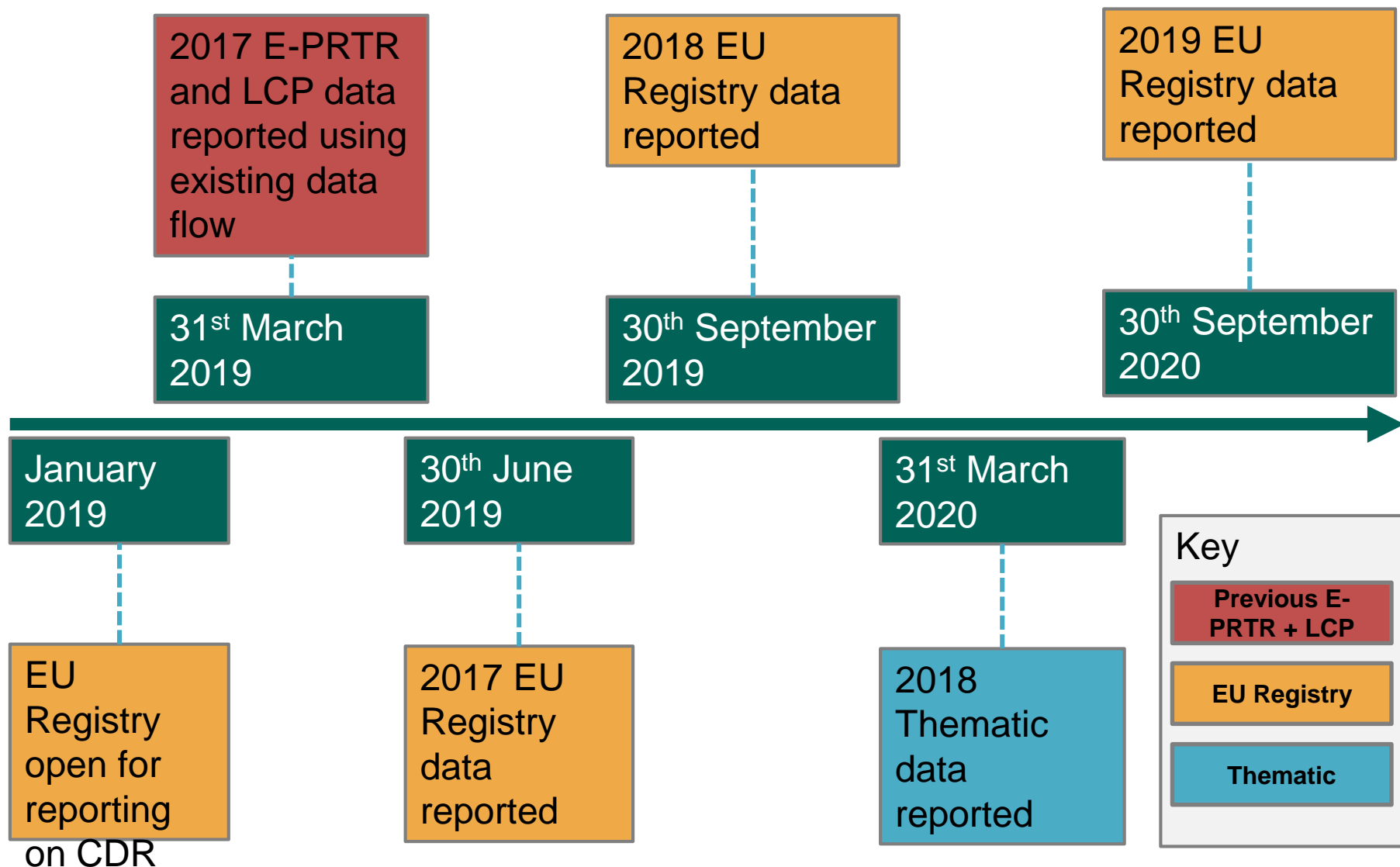
- Hidden table: Navigation Options > Show Hidden Options > VersionControl
- Used to check compatibility with FME Process
- Important not to make **structural changes** to the template



# Ongoing work

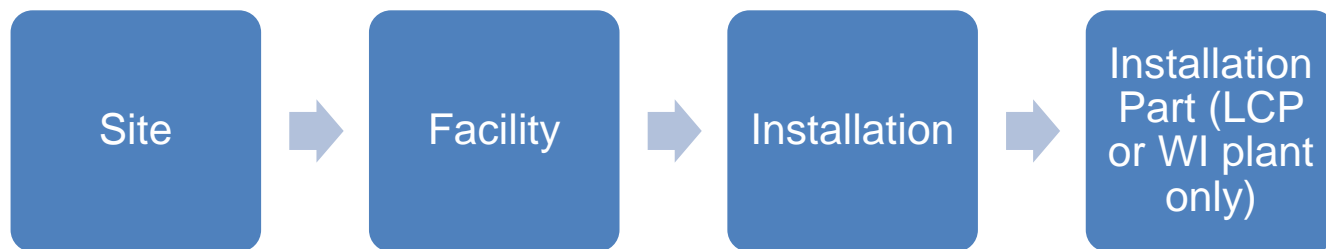
- EU Registry **FME Conversion Process** completed
- New QA/QC scripts in development and testing
  - Open for reporting on the CDR - **January 2019**
- Development of the **BATAEL code list**
- Development of a **sandbox environment** for QA/QC outside of the CDR
- Thematic QA/QC scripts in final phase of testing

# Revised reporting timeline



# Mapping of historical data

- New databases for EU Registry/Thematic data
- Old datasets for both LCP and E-PRTR need to be added to new database
- Need to define relationships between sites, facilities, installations and installation parts.
- Consultation with reporters in 2019



# Contact details



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Environment  
Agency**

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Health and Sustainable Resource Use  
Programme

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Phone: +45 3336 7228



# Question & answer session

- To raise a question please type in the **messaging function** either:
  - The question itself
  - Or request the floor to speak through the microphone, by typing 'floor'

