



# EU ETS E-Reporting

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# Project objective

*The project objective is to support the Commission in further promoting the use of IT in EU ETS MRV by:*

- **Improving the eXtended Emissions Trading Language - XETL (Task 1)**
- **Assessing the impacts of the use of IT in EU ETS MRV (Task 2)**

# Project approach

*Regular interactions with stakeholders:*

- **Large group: Four TWG meetings**
- **Small group or bilateral: Exchanges by email or phone**
- **Presentations to CCC-WG3 - 26th March 2015 and 24th September 2015**

*Working documents / presentations distributed via the EU ETS Compliance Interest Group repository on CIRCA BC*

# Task 1 – Project approach

*Iterative*

*Focus on business and regulatory obligations*

*Development of a complete business model of the MRV data using UML\**

*Redesign the XETL XML schemas using XSD†*

\* UML = Unified Modelling Language, a data modelling standard

† XSD = XML Schema Definition

# Task 1 – Project results

## *Analysis of the current XETL*

- **Identify strengths and weaknesses**
- **Propose solutions to address shortcomings**

*Documented domain model for monitoring plan and all reports*

## *New version of the XETL schemas*

- **Modular**
- **Clean separation between input data and results**
- **Improved and extended validation**
- **Versioning**

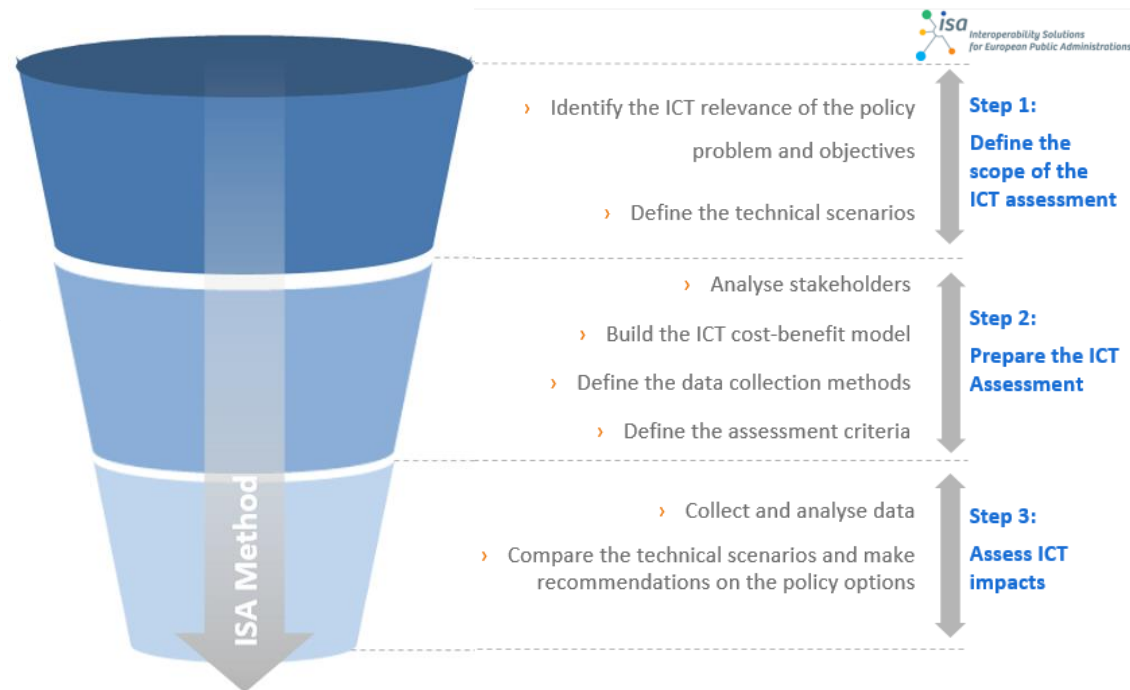
# Task 1 – Project results

*The new and improved XETL will allow*

- **Generating MRV documents in a standard, harmonised format**
- **Exchanging information electronically between parties**
- **Establishing exchange protocols between Competent Authorities and Operators**

# Task 2 – Project approach

*Assessment of impact following the ISA\* method for Assessing ICT Implications of EU Legislations*

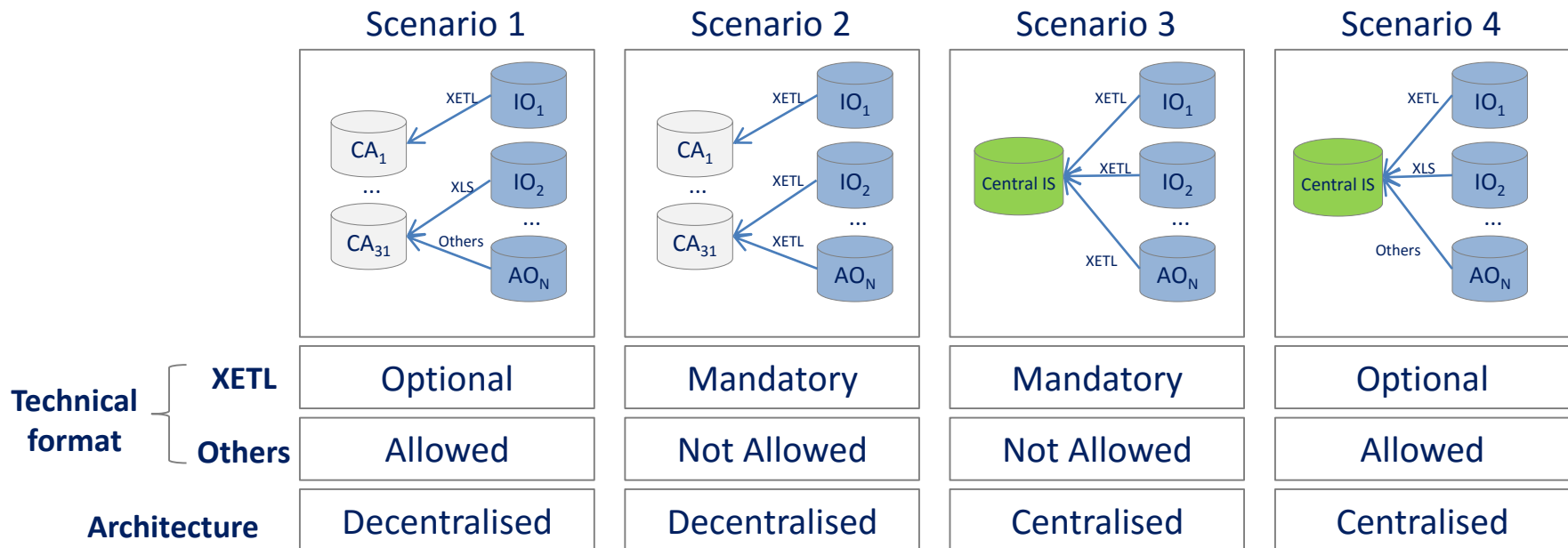


\* ISA: Interoperability Solutions for Public Administrations. It is a DIGIT led programme to support the cooperation between European Public Administrations, via actions enabling the delivery of cross-border and cross-sector electronic public services. It is the main implementation instrument of the European Interoperability Strategy (EIS).



# Task 2 – Project approach

## 4 technical scenarios studied



## Task 2 – Project results

### *Key findings*

- **A common XETL language is recognised as necessary to achieve interoperability and give confidence that data reporting is harmonised.**
- **Awareness of the XETL benefits must be increased.**
- **Potential technical scenarios are weighed.**
- **The diversity of stakeholders favours a flexible and centralised implementation approach: A one-size-fits-all submission format is not considered the most adequate.**

### *Assessment of the impacts: Final Report*

# Thank you for your attention

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