

# INCITE

## Innovation Centre for Industrial Transformation and Emissions

OECD

Webinar on the Future of BAT in Industrial Pollution Prevention and Control

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# Content

Legislative framework. Revision of the European Industrial Emissions Directive (IED)

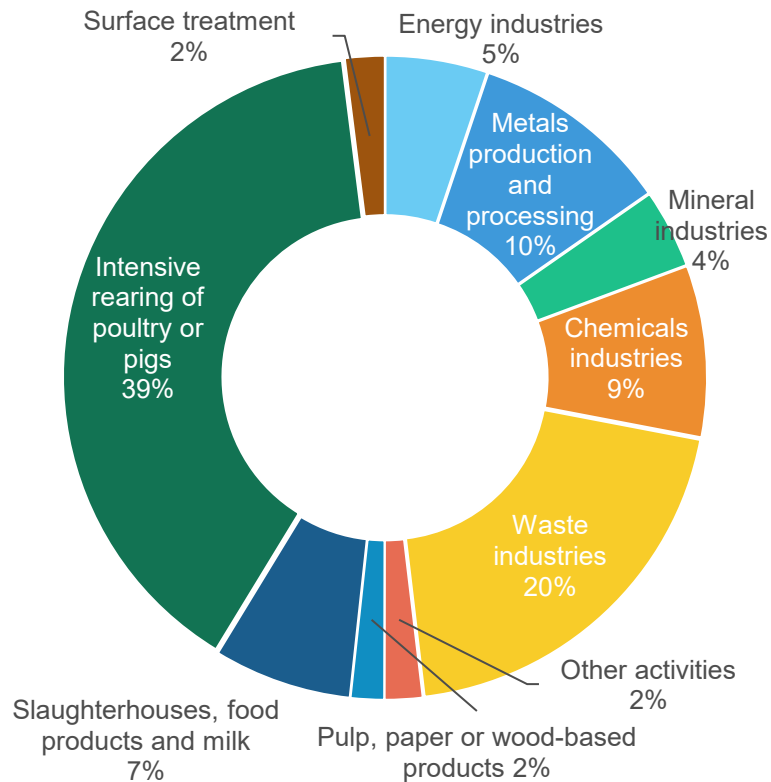
The role of INCITE

Future collaboration between industries, regulatory bodies, academia, and technology providers for the identification of emerging techniques

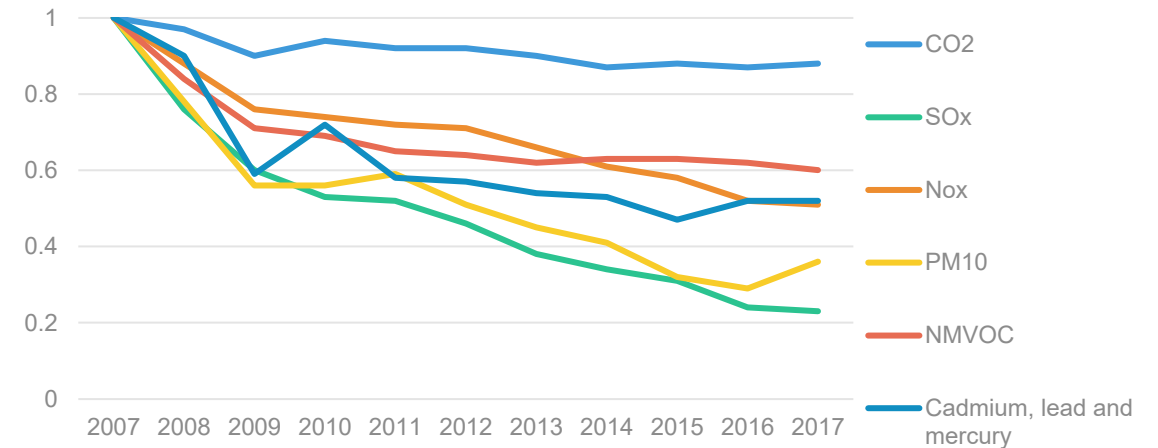
# Industrial Emissions Directive (IED) – Today

IED regulates over **30 000+** large industrial installations and **20 000+** farms

% of installations per industry sector



Supports a **high level of protection** of human health and the environment as a whole

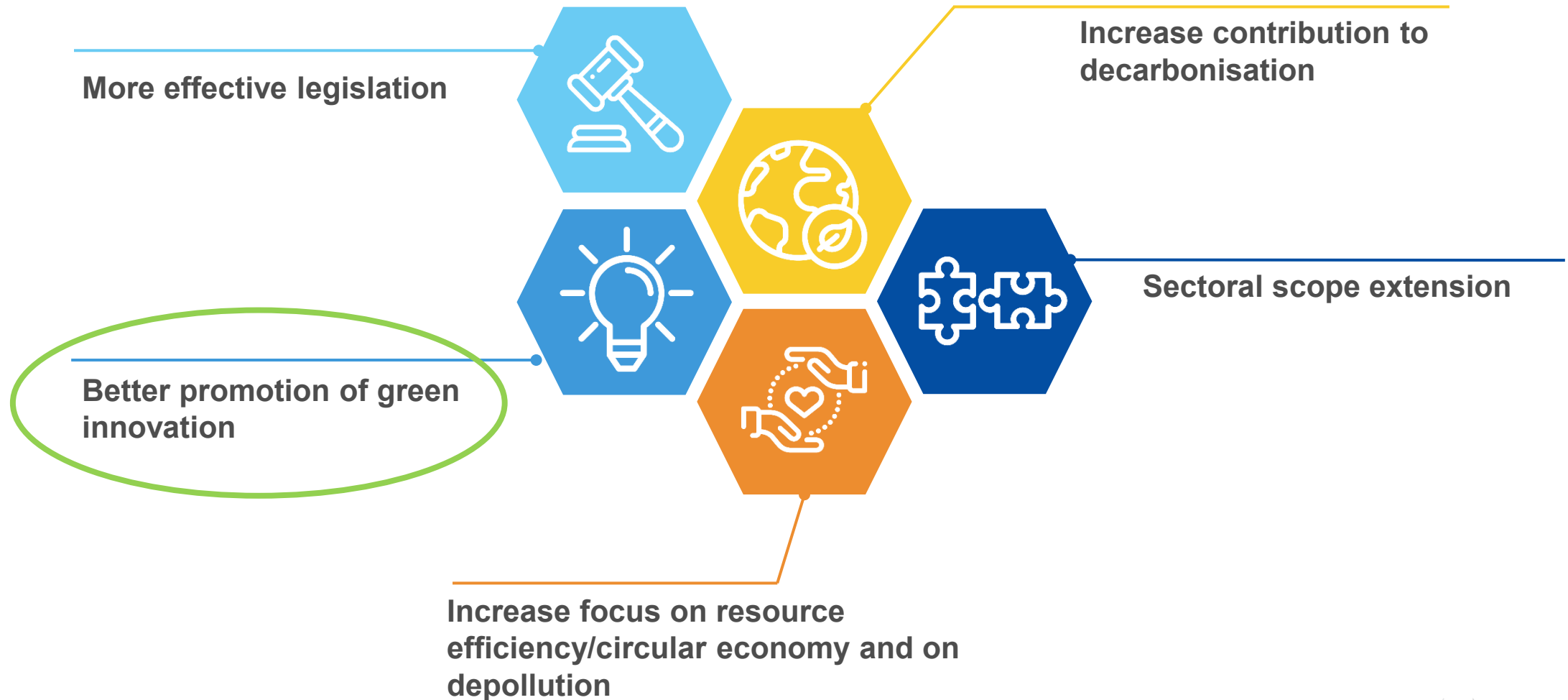


Emissions of air pollutants by industry

**Good news:** reduction by 40 to 75% of key pollutants over a decade  
**However:** IED plants still c. **50% of emissions of SO<sub>2</sub> & heavy metals, 40% of GHG emissions and 30% of NO<sub>x</sub> & PM<sub>10</sub>**

# IED revision

5 areas of improvement identified in Impact Assessment. **Under trilogue!**



# Supporting innovation

## Key measures

### INCITE

Arrangements set in an implementing act

Collect & analyse information on innovative techniques

Characterise level of development (TRL) and environmental performance

Publish sectoral innovation factsheets

### Sevilla process BREFs and BAT Conclusions

Input from INCITE inform the BREF work programme

Incorporate information from INCITE on innovative techniques in BREFs/BATC

Determine performance levels of emerging techniques (ET-AELs) in BAT Conclusions

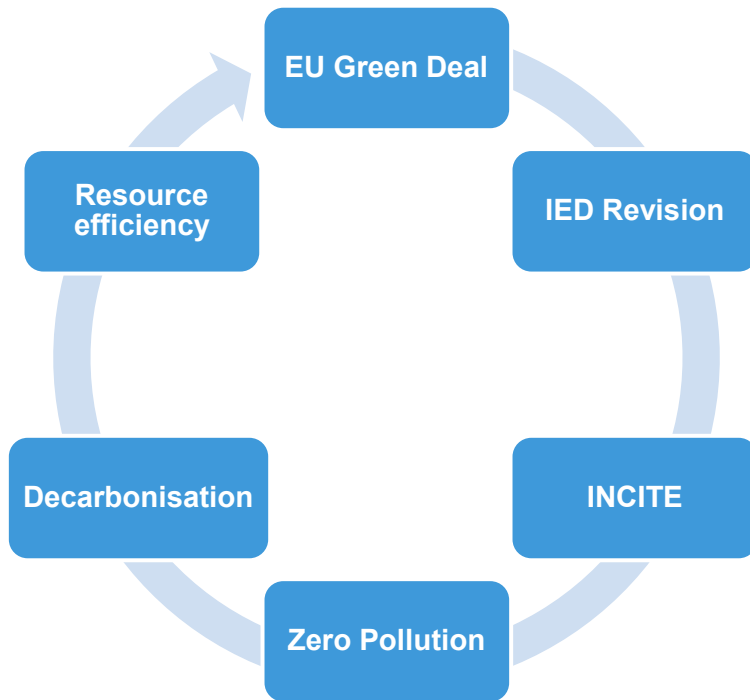
### Permitting flexibilities to support frontrunners

Provide temporary derogation up to 24 months (testing ETs)  
Possible at any moment in time

Allows 6 years for ET-AELs instead of 4 years for BAT-AELs

# INCITE

## INnovation Centre for Industrial Transformation and Emissions



### Aim

- **Support the uptake of innovation** for decarbonisation, depollution, resource efficiency and circular economy
- **Identify and evaluate** innovation techniques: degree of maturity (TRL) and environmental performance
- **Initial focus/scope:** Energy-intensive industries

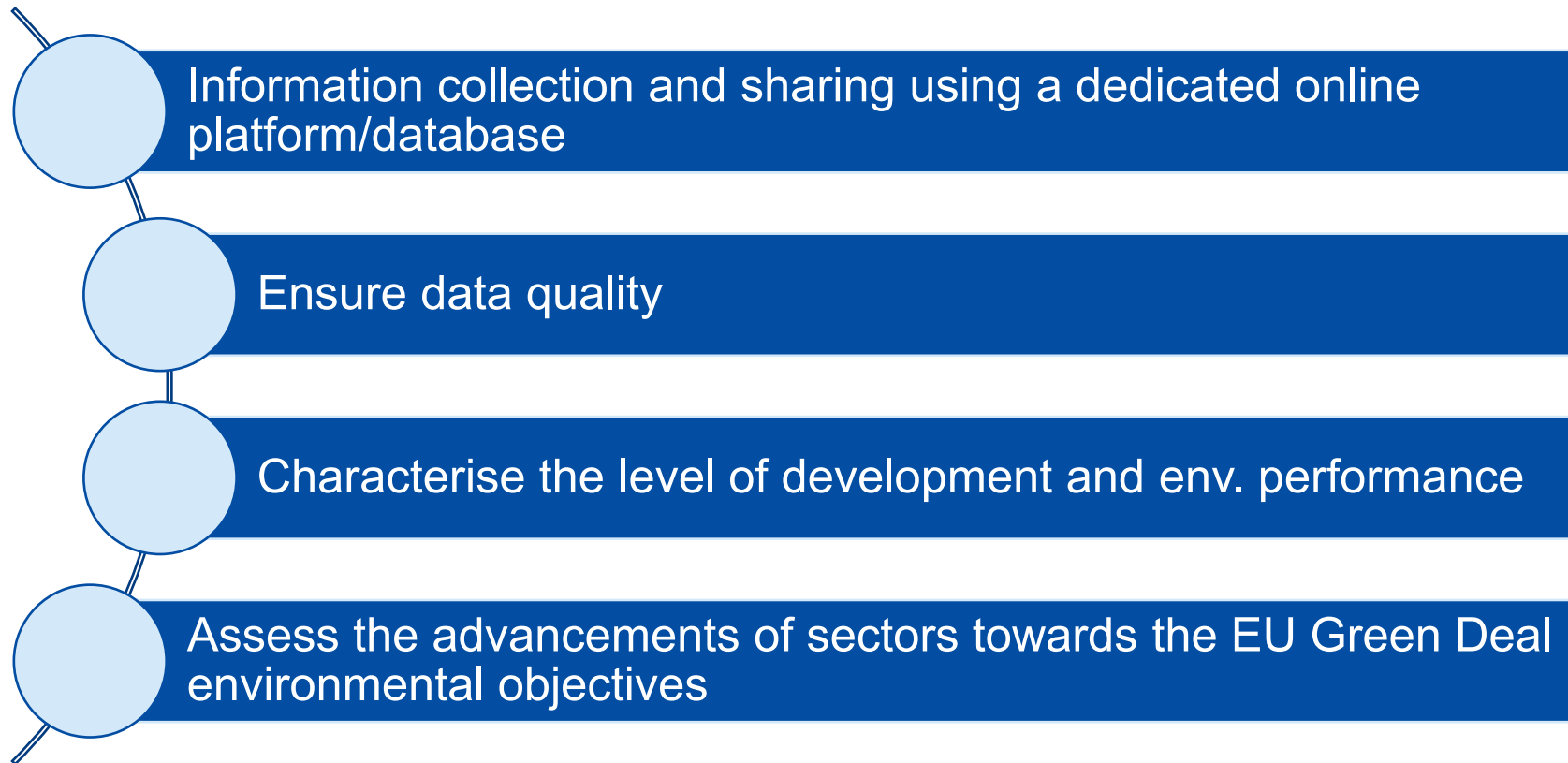


### Who

- **JRC Unit B5 in Seville** (set-up and operation)
- Legal status: **Commission Implementing Decision**

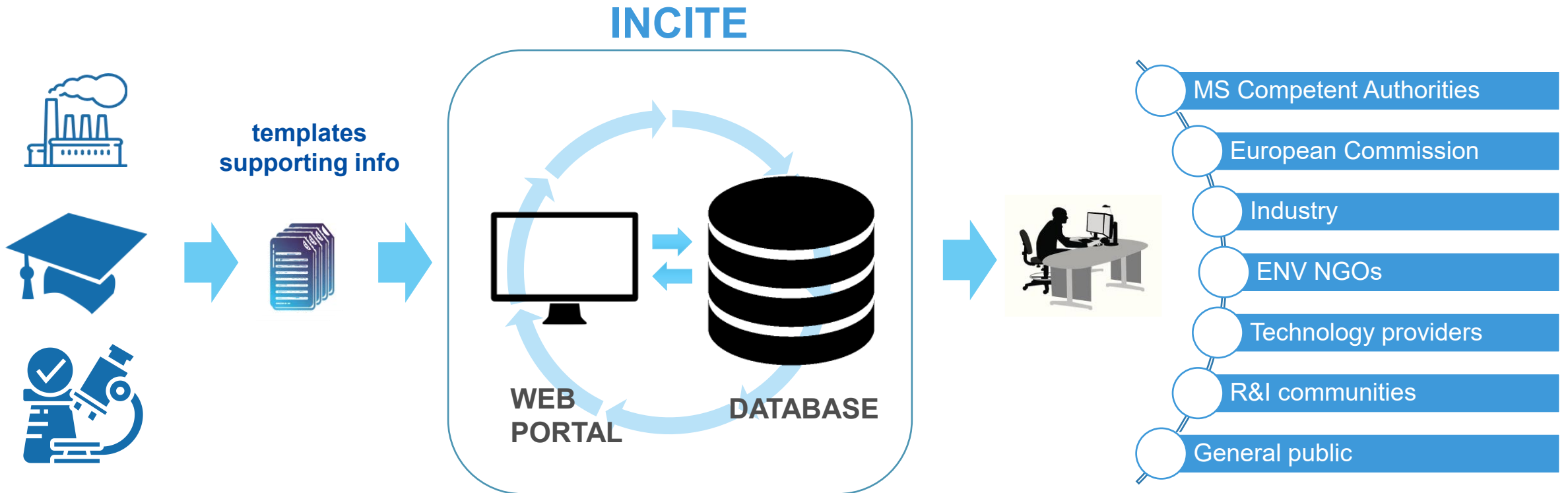
# INCITE

## Main activities



# INCITE

Online platform/database



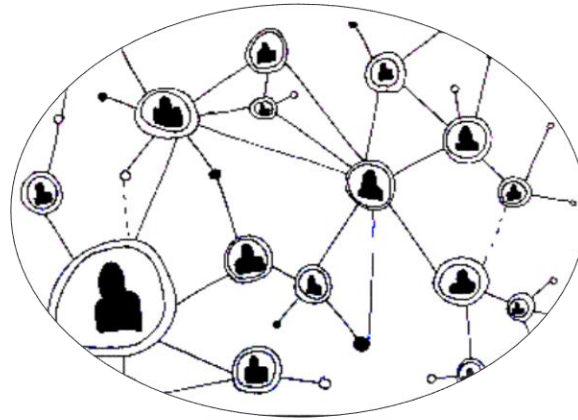


# INCITE

## Stakeholder mapping and engagement activities

### Who ?

- Users (e.g. plant operators)
- Industry associations
- Technology developers
- Research communities
  - Academic Institutions
  - Research centres
  - Technology platforms
  - R&D funding programs
- Innovation communities
  - Innovation funding programmes
  - Public-Private partnerships (PPP)



### Role

- **Submit** techniques in the INCITE database / platform
- **Identify** emerging trends
- **Represent** certain industry/sector
- **Engage** other partners
- **Create** networks in a specific sector
- **Respond** to questions from INCITE
- **Provide** technical support, scientific advice or experience in the field
- **Participate** in workshops/webinars

# INCITE

## Benefits – Added value

### Government/ General public

Public awareness

Increase transparency

Track progress

Facilitate permitting

### Industry

Flexibility for industrial  
installations for testing  
ET

Promotion of innovative  
techniques / projects

Commercial advantage

Facilitate access to  
funding

### EU COM DGs

Identification of funding  
priorities (gaps)

Follow innovation in key  
industrial sectors

Potential for sharing  
information/data  
between EU platforms

Dissemination of EU-  
funded projects

### Funding bodies

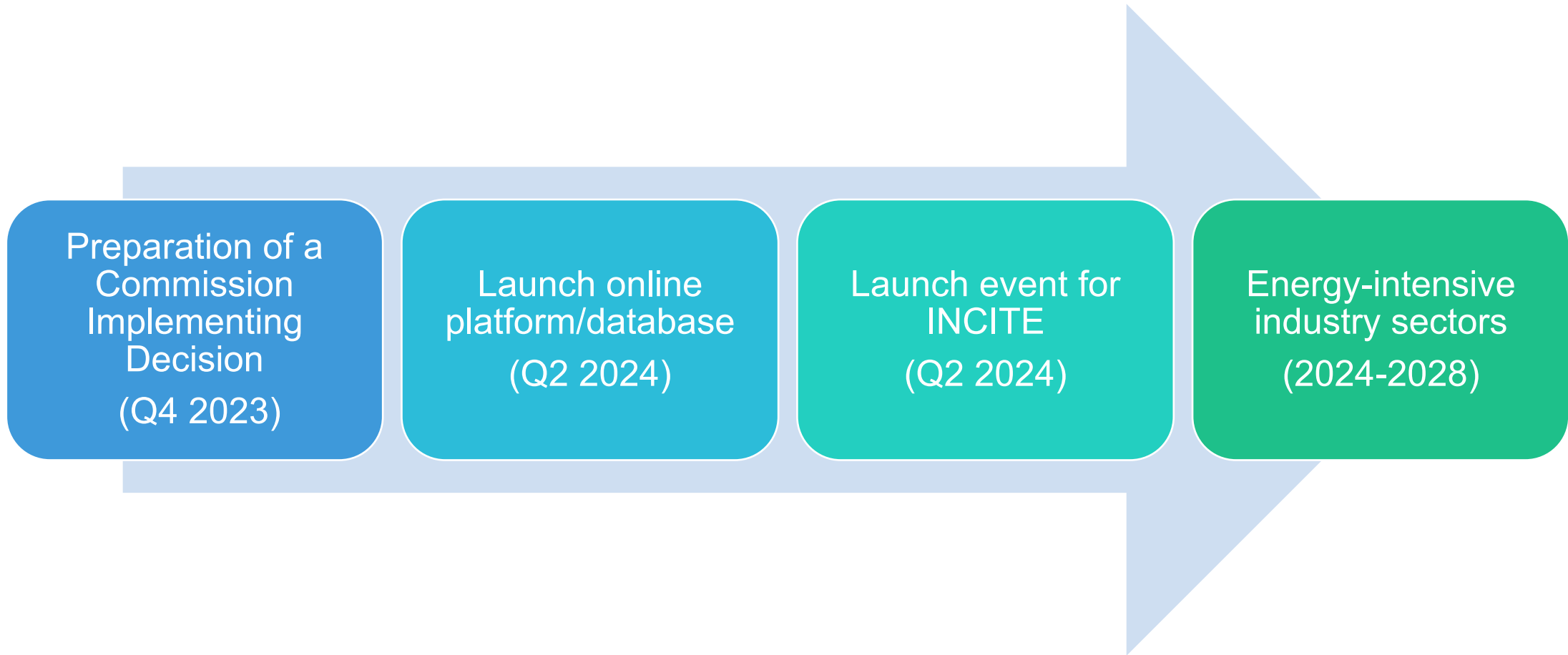
Direct funding towards  
the most promising  
techniques

Develop sound criteria  
for access to funding

Increase certainty on  
innovative techniques

# INCITE

## Project milestones



# Considering that INCITE will look not only at ET in the EU but also in third countries.

- In the context of the OECD, could further collaborations between countries take place on key issues such as the identification and evaluation of innovative techniques in energy intensive industries for e.g. decarbonisation, resource efficiency?
- Could the INCITE Online platform/database become a key instrument to stimulate / help share information / initiatives on innovative techniques?
- Could direct collaborations between INCITE and other initiatives worldwide looking at innovative techniques be established in the frame of the OECD?

# Thank you!

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