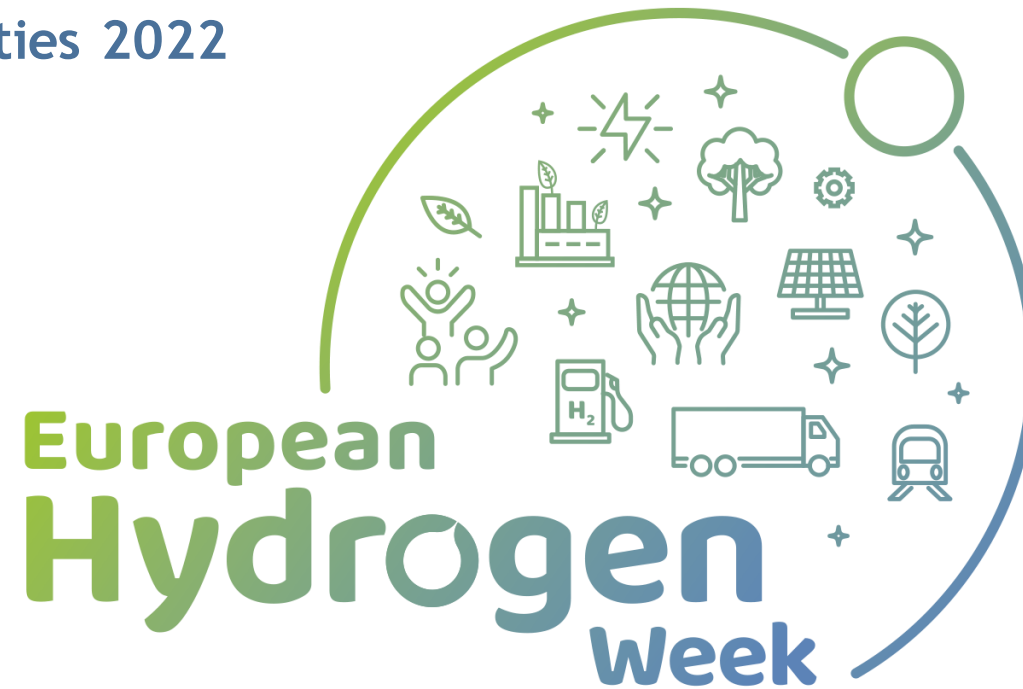


JRC activities for the FCH 2 JU 2021

& planned activities 2022



Speaker Pietro Moretto
(Replacing Eveline Weidner)
European Commission JRC

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JRC activity scope

Knowledge Management

Regulations Standards

Sustainability

Safety

Programme targets (MAWP)

Annual Programme assessment

Strategy

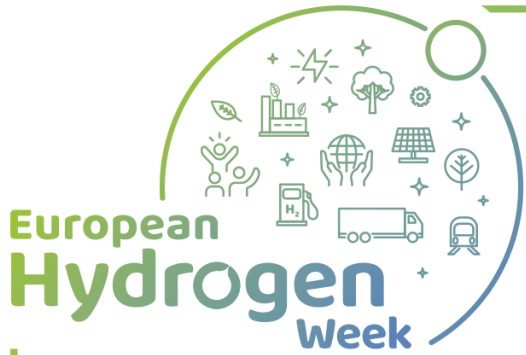
Testing

Methods Guidelines

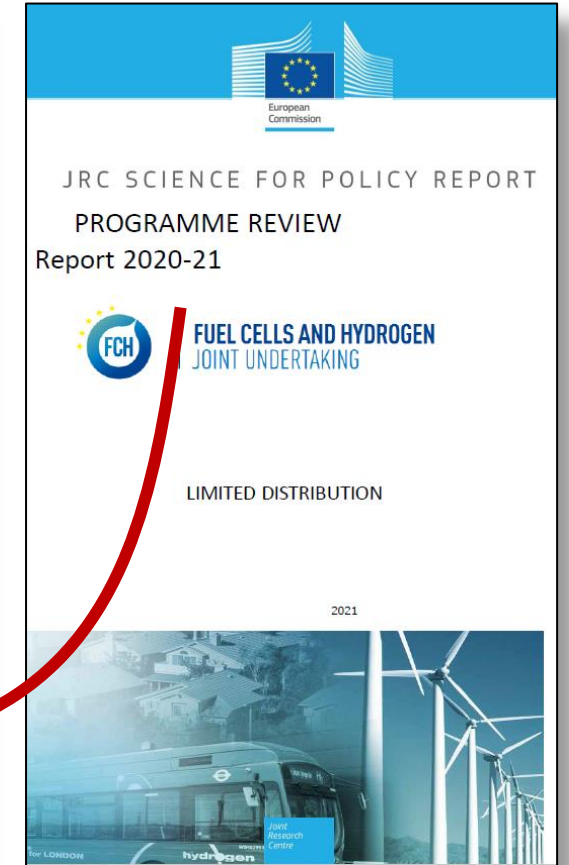
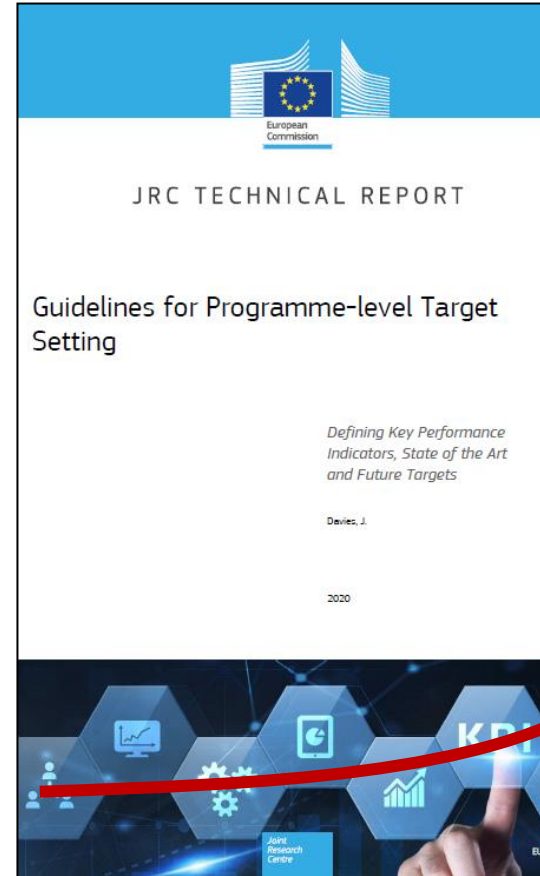
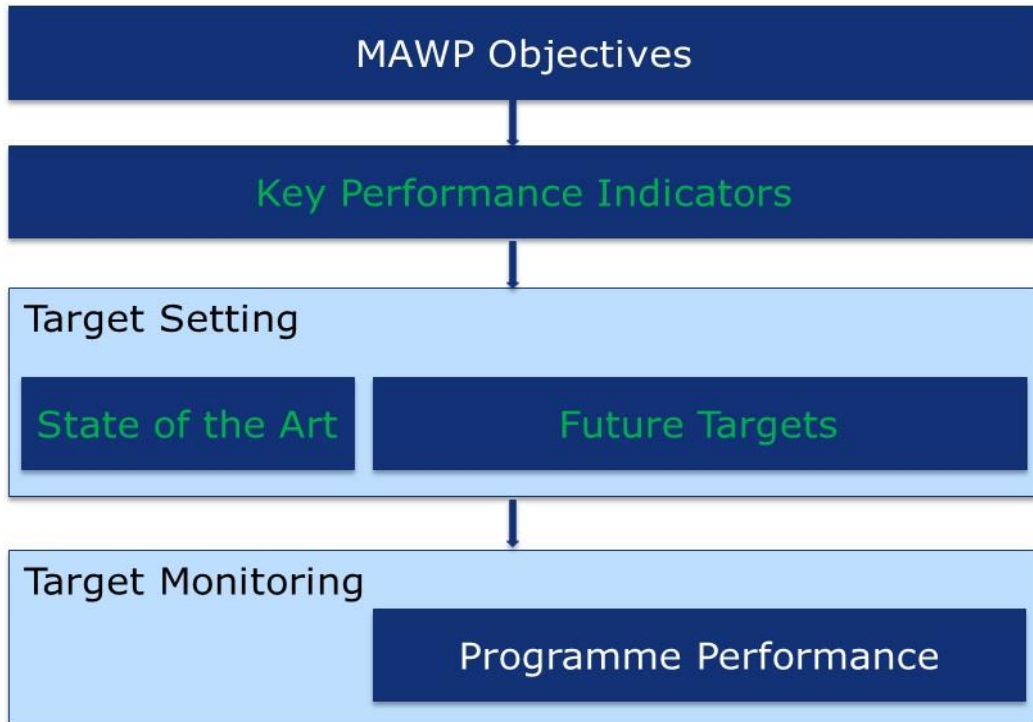
EHSP Databases

TIM Tool for Innovation Monitoring

Datasets

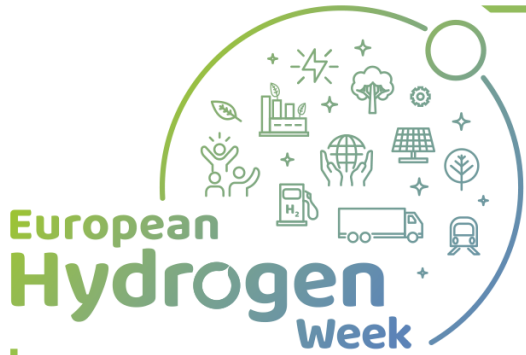


Knowledge Management



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Knowledge Management

MAWP KPI and targets

CLEAN HYDROGEN FOR EUROPE JOINT UNDERTAKING

- State of the Art
- scientific literature
 - experts assessment
 - industry

Multi - Annual Work Plan 2021 - 2027

No	Parameter	Unit	SoA		Targets	
			2017	2020	2024	2030

Technology Key
Indicators, measurable

ambitious, achievable
targets

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Testing Harmonisation

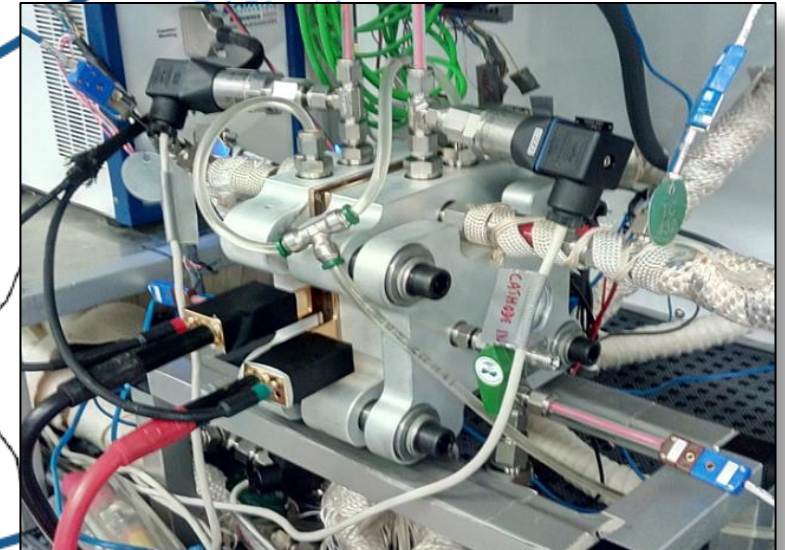
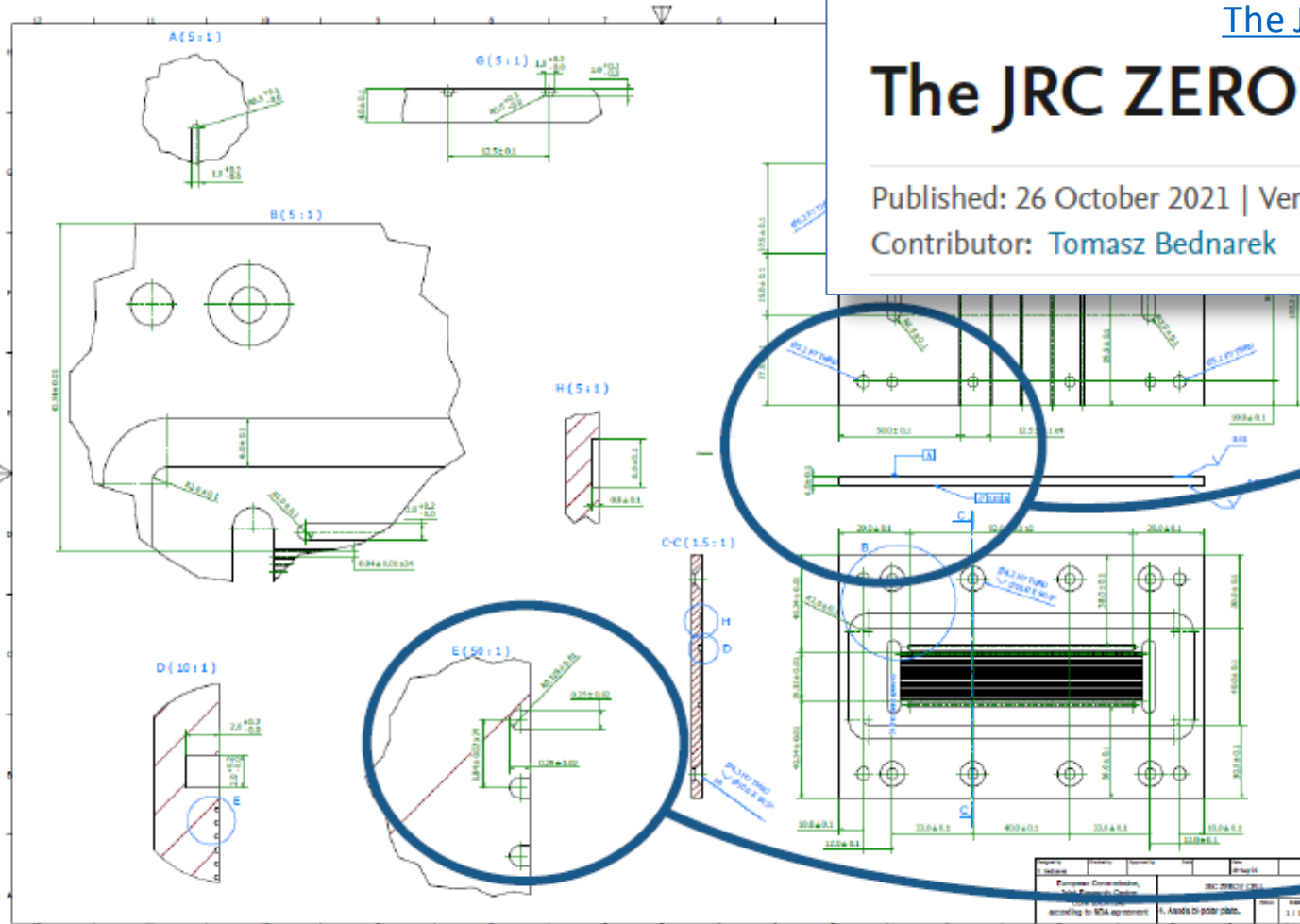
Mendeley Data

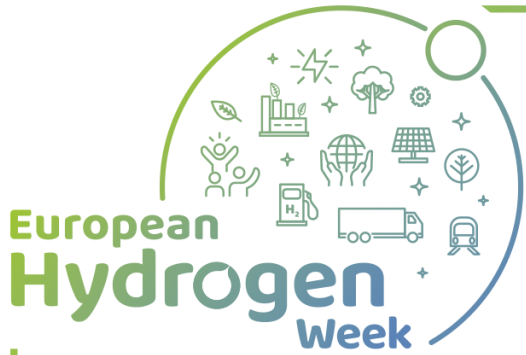
[The JRC ZERO \$\nabla\$ CELL design documentation - Mendeley Data](#)

The JRC ZERO ∇ CELL design documentation

Published: 26 October 2021 | Version 1 | DOI: 10.17632/c7bffdv7yb.1

Contributor: Tomasz Bednarek





Sustainability

ETS Innovation fund calls
TEN-E calls and the PCI
IPCEI – hydrogen

We need:

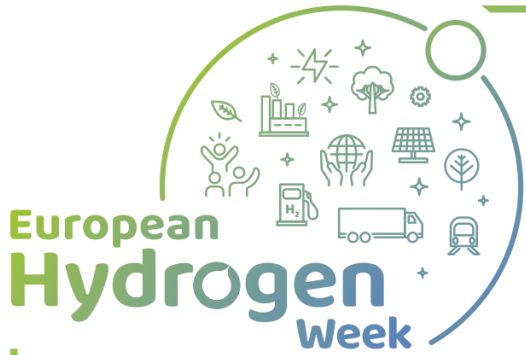
- Assessment criteria
- A methodology for measurements

Not all technologically viable hydrogen systems will contribute significantly to decarbonise targets.

The screenshot shows the 'EU Taxonomy Compass' interface. The breadcrumb trail is 'Home > Sectors > Manufacturing > Manufacture of hydrogen'. The main heading is 'Manufacture of hydrogen'. Underneath, there is a section 'Contributing to climate mitigation ^' with three expandable menu items: 'Description v', 'Substantial contribution criteria v' (highlighted in green), and 'Do no significant harm criteria v' (highlighted in blue).

$$\Delta\text{GHG}_{\text{abs}} = \sum_{y=1}^{10} (\text{Ref}_y - \text{Proj}_y)$$

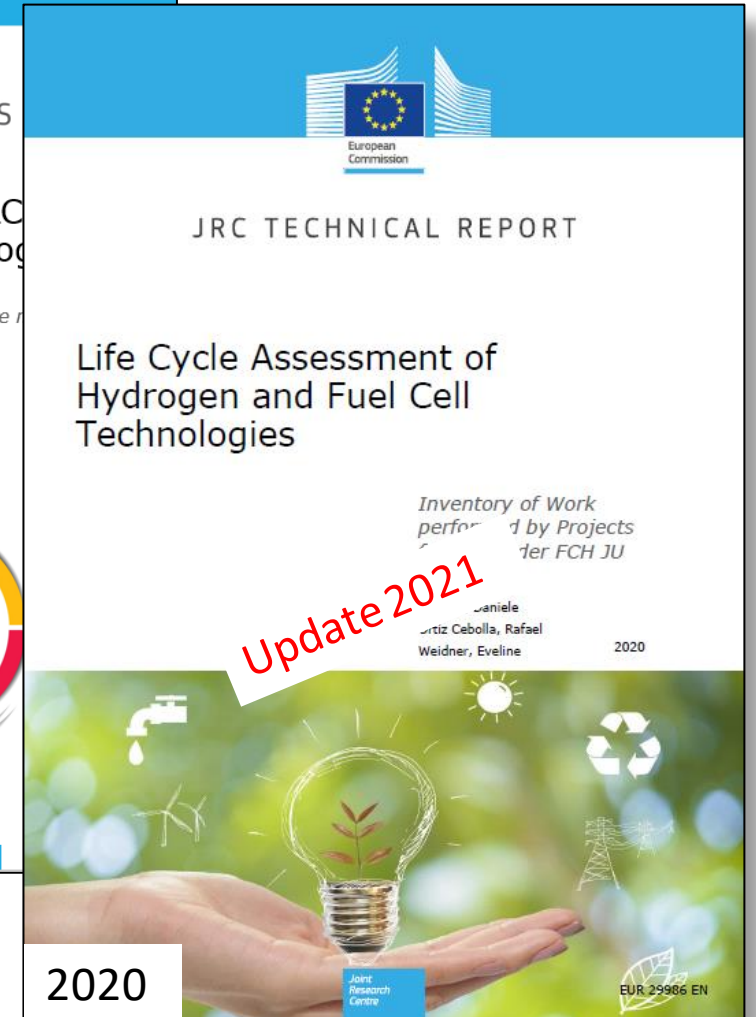
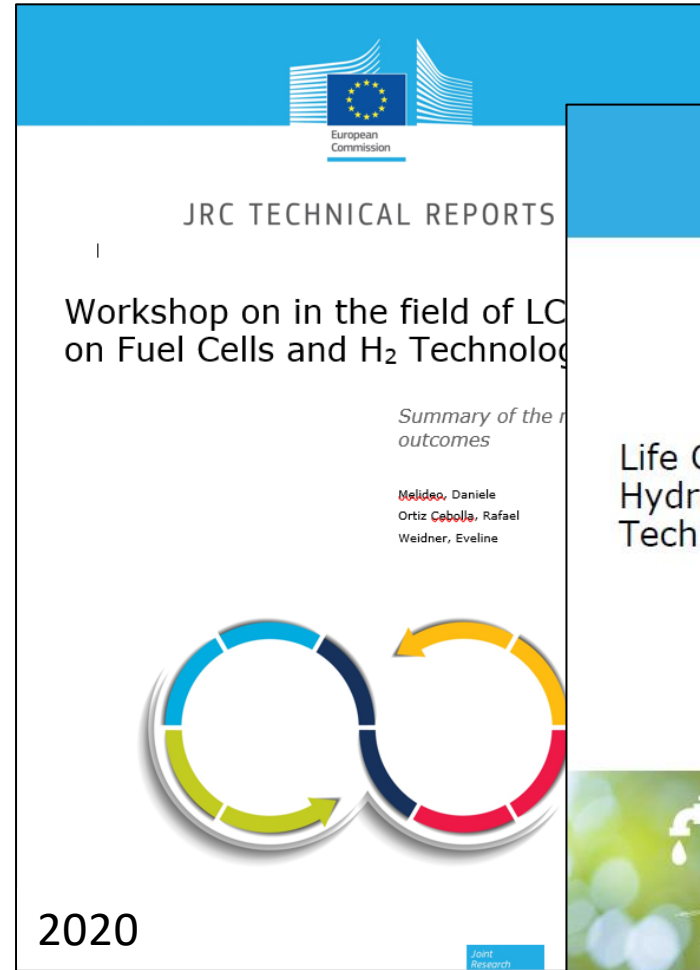
$$\Delta\text{GHG}_{\text{rel}} = \frac{\Delta\text{GHG}_{\text{abs}}}{\sum_{y=1}^{10} (\text{Ref}_y)}$$



Sustainability

JRC experts involved in the FCH 2 JU sustainability reference projects.

- SH2E: LCA guidelines
- BEST4HY: Recycling of end-of-life
- eGHOST: Eco-design



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Safety-supporting activities

European safety databases

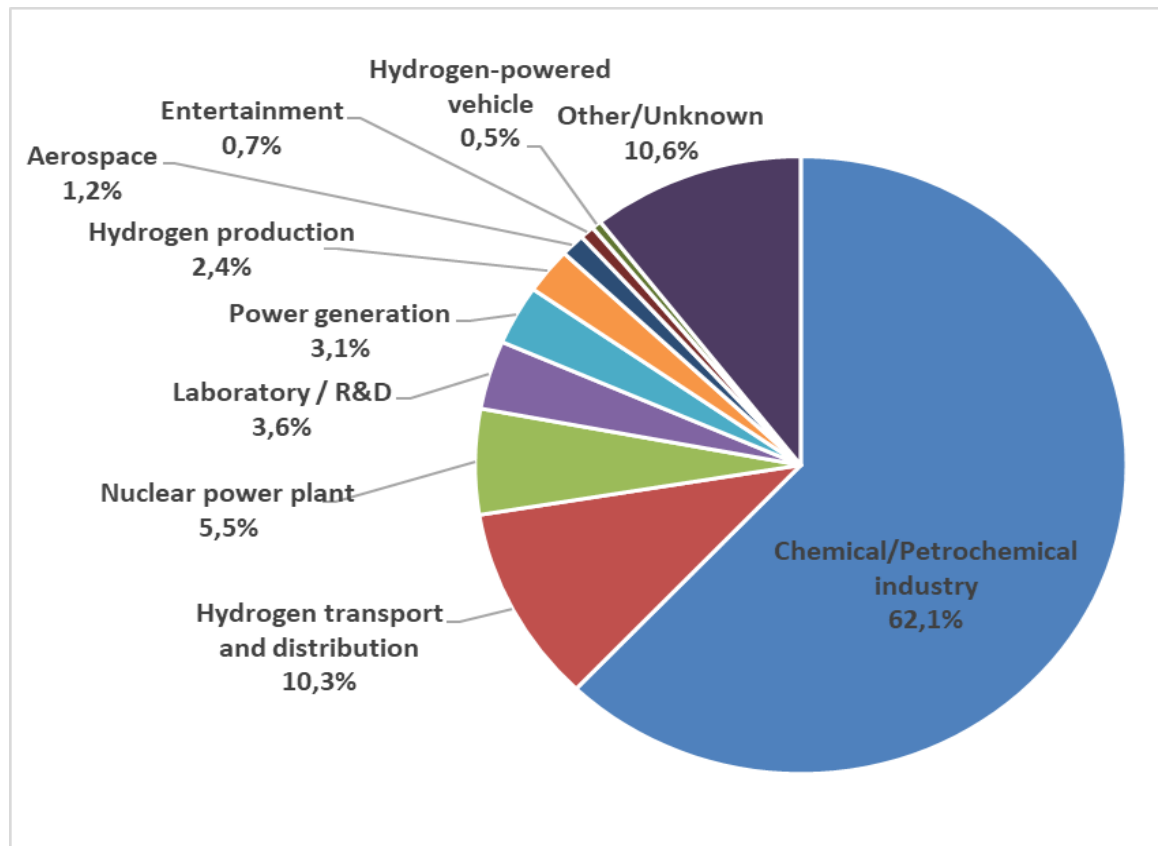
HIAD 2.0 & HELLEN temporary offline

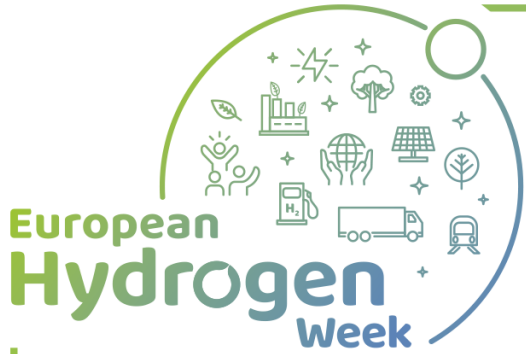
Datasets distributed upon request:

pietro.moretto@ec.europa.eu

👉 Second upgrade ongoing

👉 online access soon





Safety-supporting activities



We need to know what happens, to continuously improve reliability:

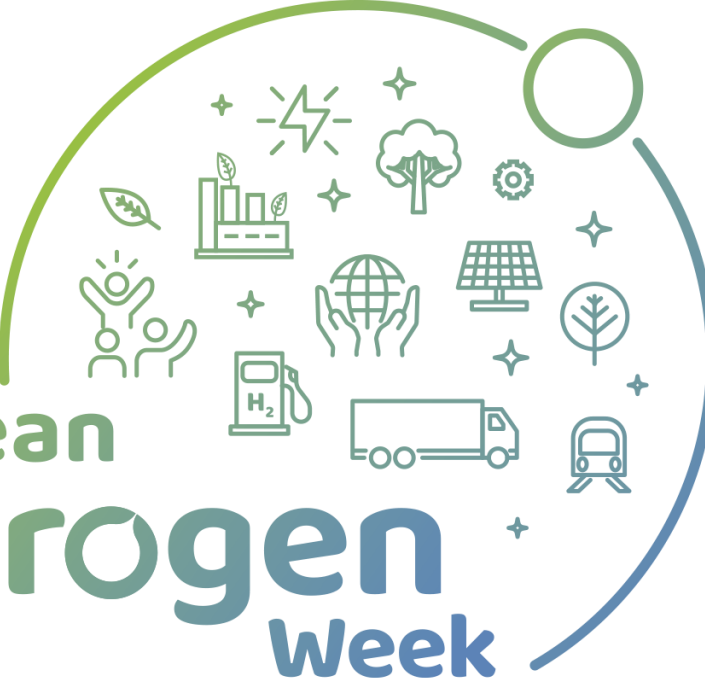
Database statistics is important (se EHSP)...

...we need also real stories, to complement knowledge from statistics.

We need your help, as experts in the field, to share stories helping improving the future

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**European
Hydrogen
Week**

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