

A person in a grey dress is pointing at a laptop screen in a meeting room. The table is covered with documents, sticky notes, and a pen holder. The background is blurred, showing other people and office furniture.

# INNOVATION FUND

Lessons learnt from the applications  
to the 2020 calls

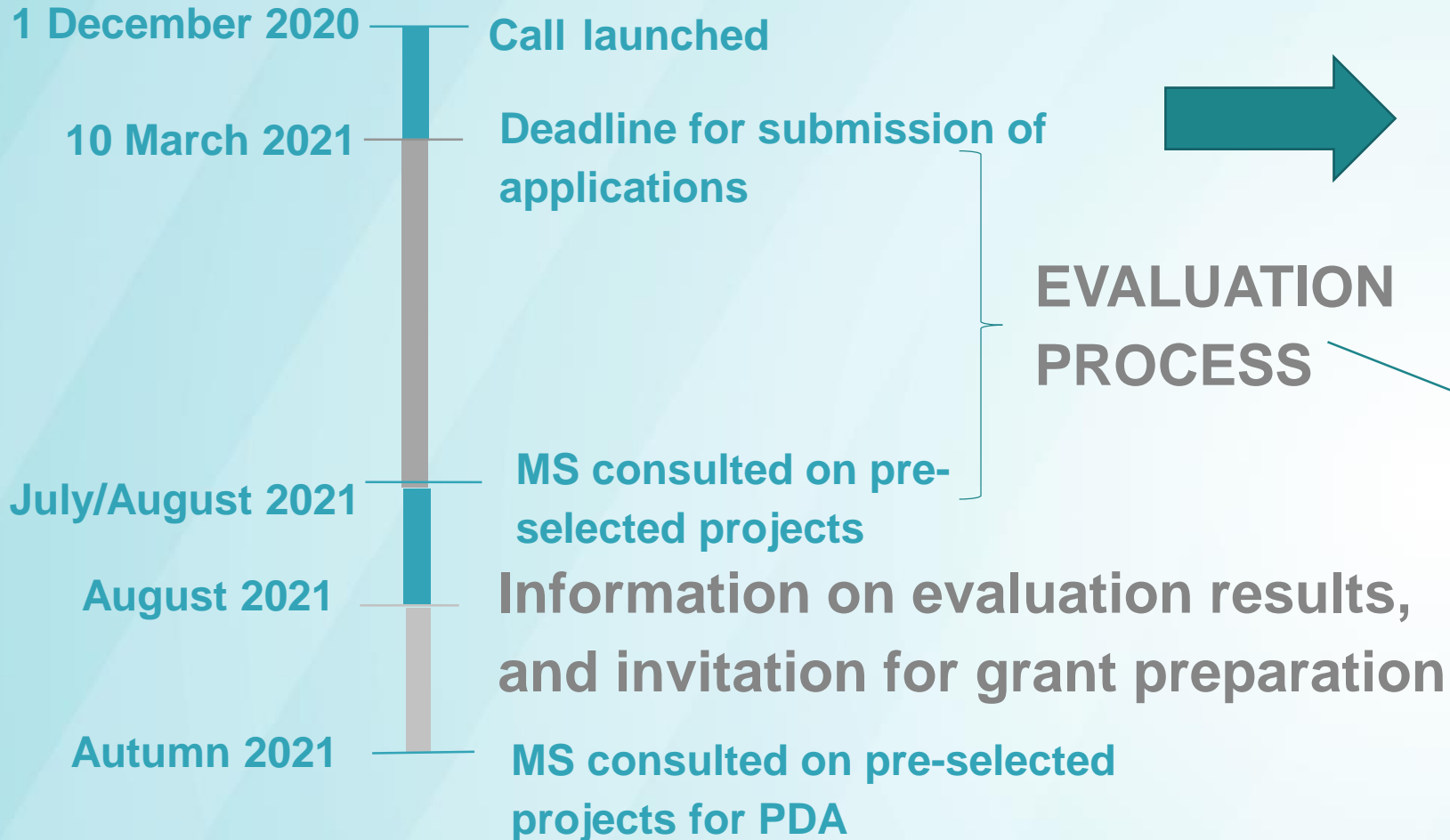
28 April - 10.00 CEST

# First call for small-scale projects

## Project overview

# Call for small-scale projects

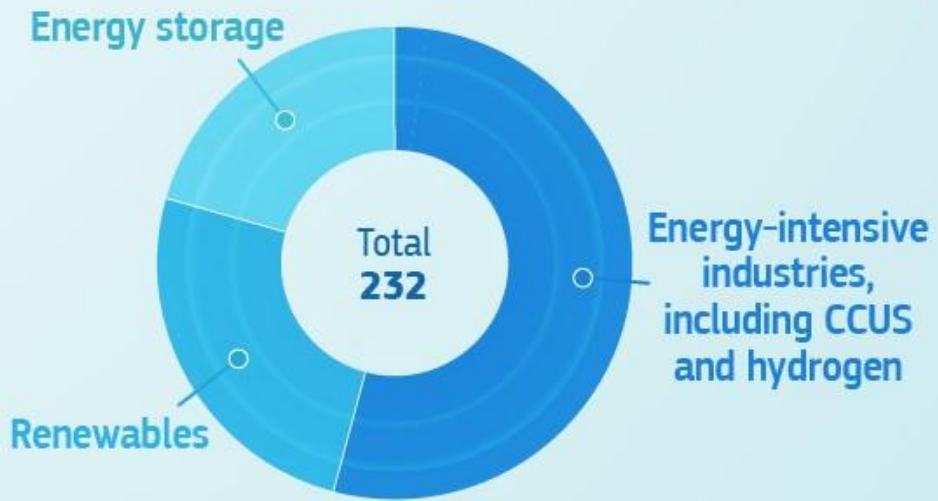
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First call for small-scale projects



*232 project proposals requesting EUR 1bn (10 times more than the available EUR 100m)*

**We are here!**

# Applications to first Innovation Fund small-scale call



**Applications per activity**  
of which some are cross-sectoral applications



# Applications received per sector

## 7 sectors with more than 10 applications

Biofuels and bio-refineries

Glass, ceramics & construction material

Hydrogen

Intra-day electricity storage

Other energy storage

Solar energy

Other

## 12 sectors with 10 or less applications

Bio-electricity

Cement & lime

Chemicals

CO2 transport and storage

Geothermal energy

Hydro/Ocean energy

Iron & steel

Non-ferrous Metals

Pulp & paper

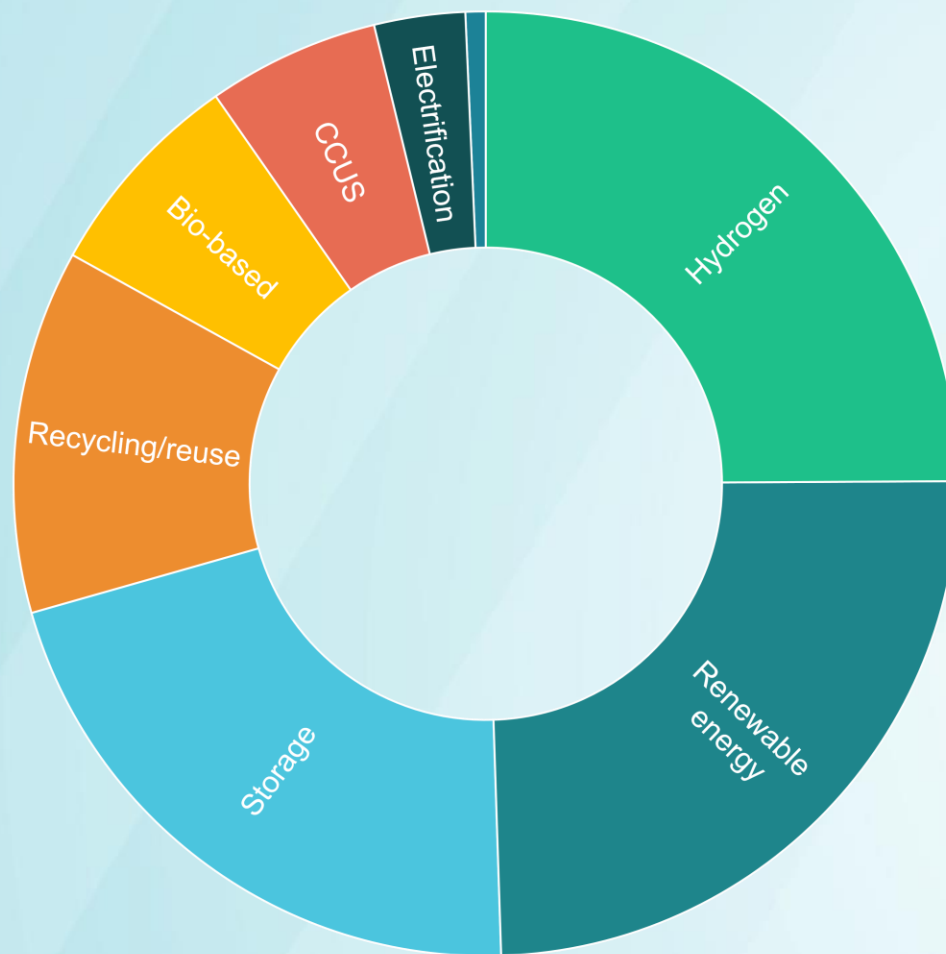
Refineries

Renewable heating

Wind energy

**Most proposals received for Hydrogen followed by Solar energy!**

# Breakdown by technology pathways

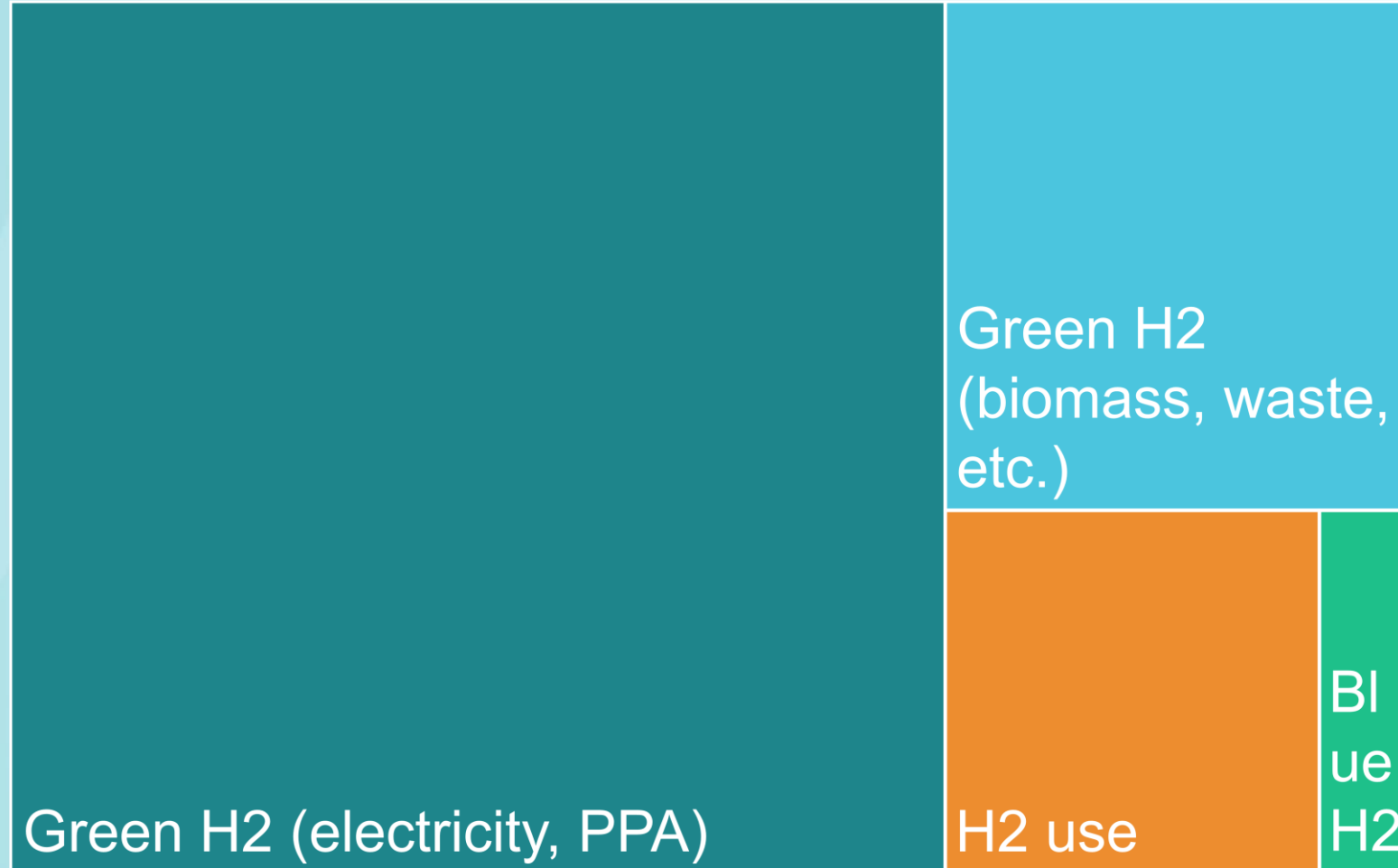


Many „out of the box“ solutions

- In particular recycling or renewables
- Including digital solutions and services

Legend: High-level screening of applied technological pathways. Classification of projects can be overlapping.

# Zoom-in on technology pathways: Hydrogen

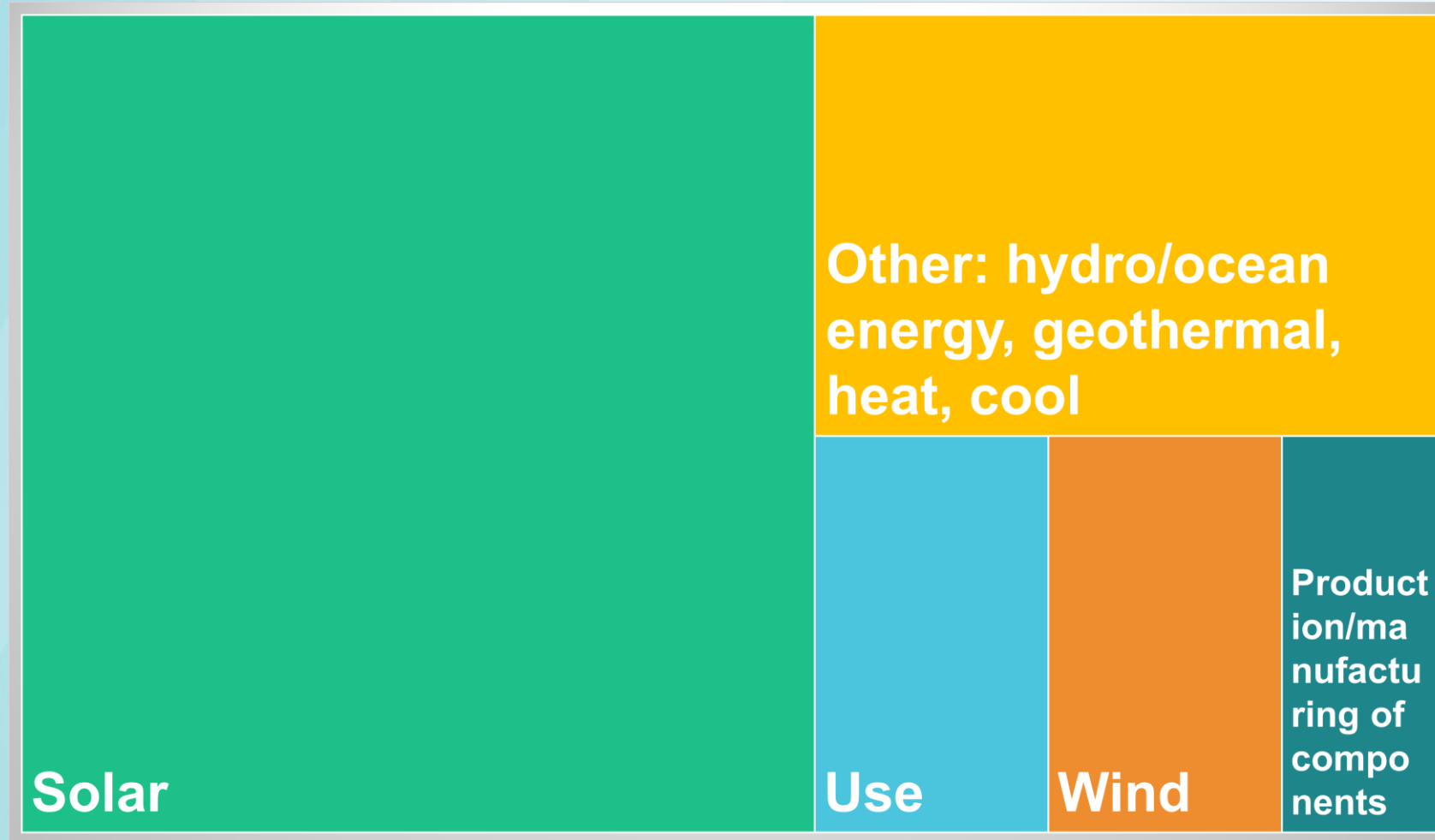


Legend: High-level screening of technological pathways. Classification of projects can be overlapping.

- Majority of green H2 projects for self-consumption and for further distribution (especially related to transport modes, but also industrial processes).
- More than 40% of H2 proposals plan to integrate H2 in transport applications.
- Some of the proposals producing green H2 have also a **storage component** (see Energy storage)

# Zoom-in on technology pathways: Renewable energy

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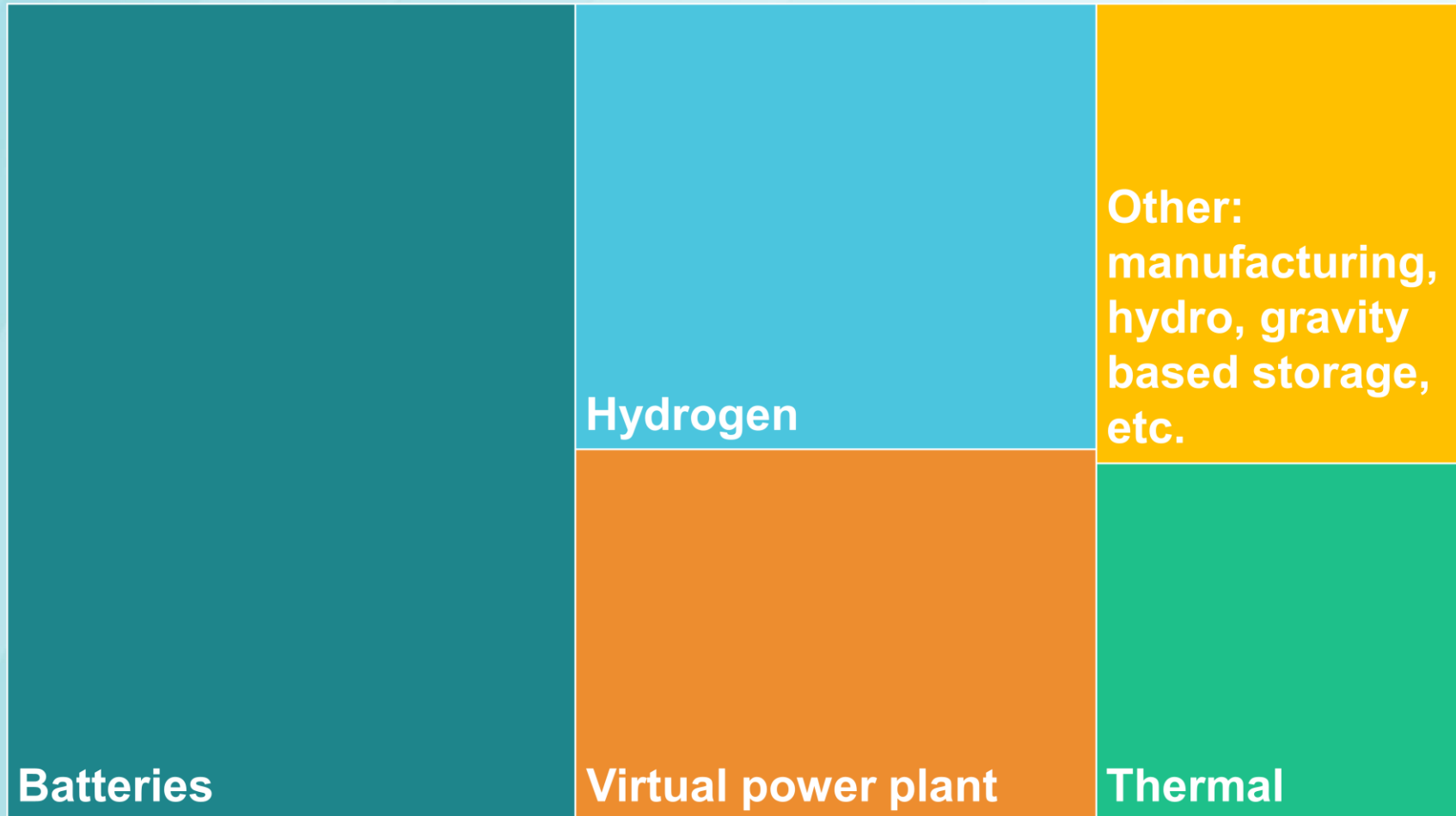
- Solar energy is most common, with onshore **PV plants** prevailing
- **Offshore projects** are also present, both solar and wind
- Overall there is a good variety of pathways across all renewable energy technologies.

Legend: High-level screening of technological pathways. Classification of projects can be overlapping.



# Zoom-in on technology pathways: Energy storage

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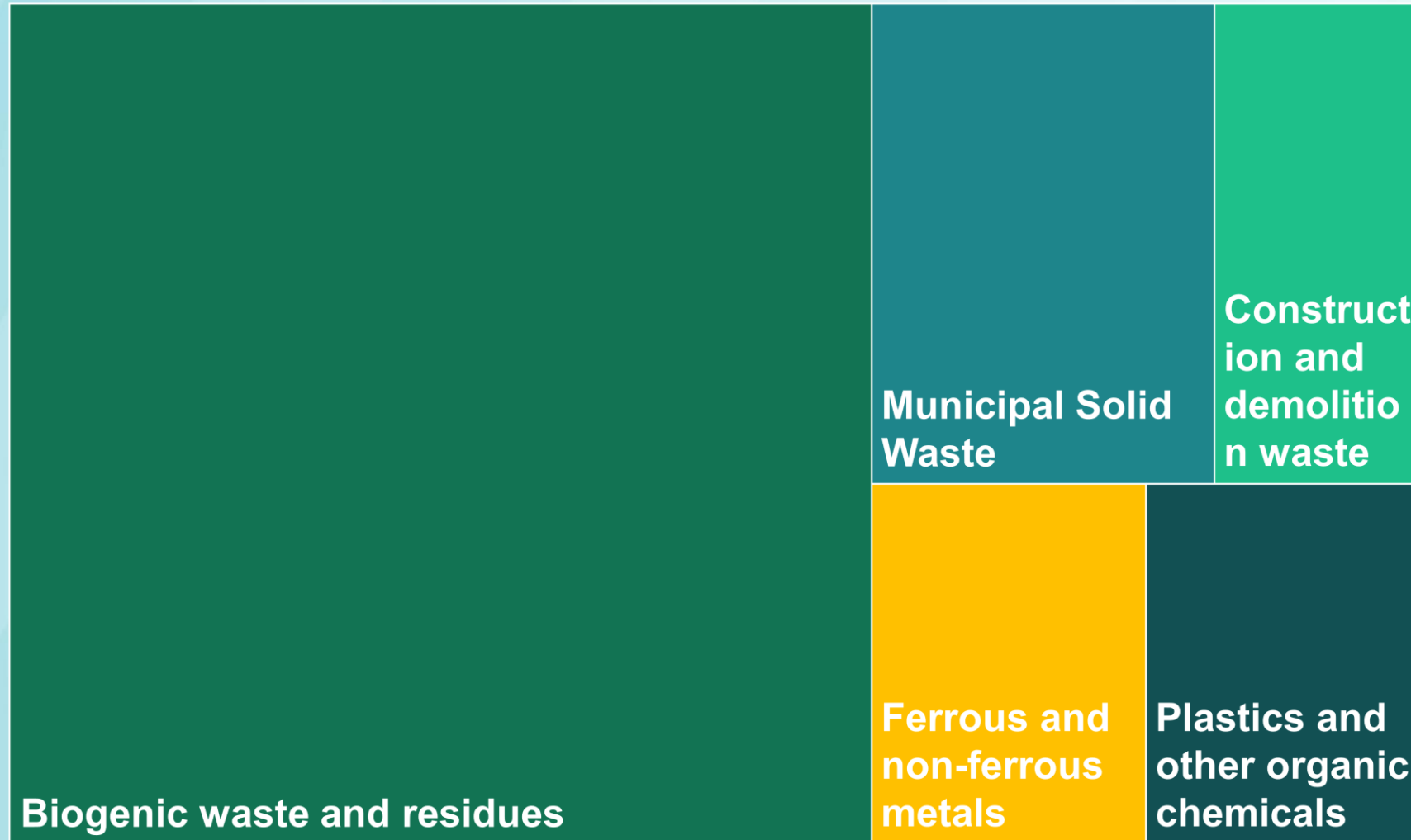


- Storage projects involve batteries, but also hydrogen storage
- A number of proposals integrate a **storage component with a renewable energy production** to reduce the fluctuations of renewable energy supply to the grid

Legend: High-level screening of technological pathways. Classification of projects can be overlapping.

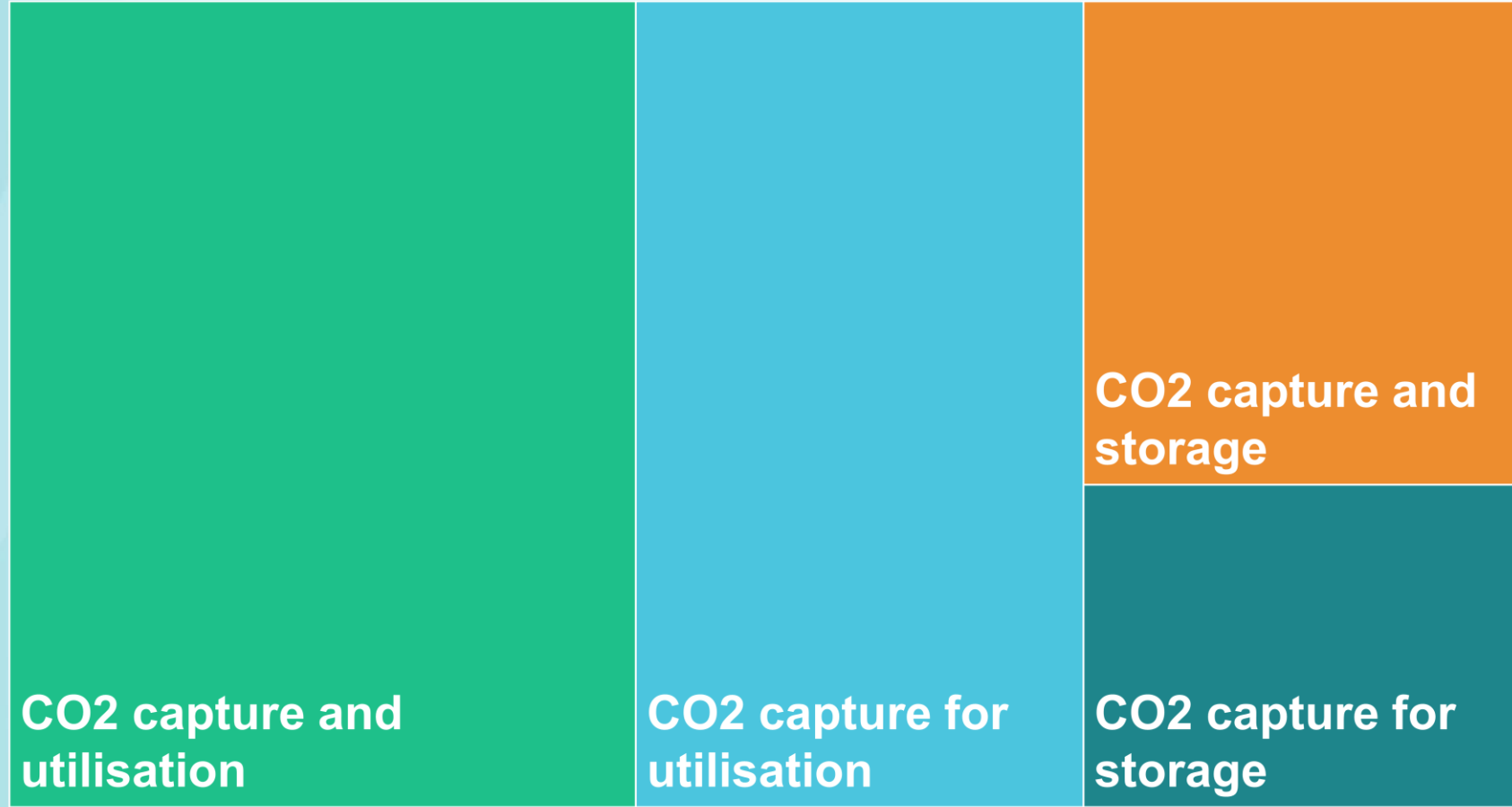
# Zoom-in on technology pathways: Recycling / Reuse

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- More than 10% of total proposals include a form of recycling or reuse, mostly biogenic waste and residues
- This makes recycling/reuse the 4<sup>th</sup> technology pathway in the small-scale call

# Zoom-in on technology pathways: CCUS



- 1/3 of CCUS proposals have potential for net carbon removals

Legend: High-level screening of technological pathways. Classification of projects can be overlapping.

# Thank you



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