



# European Clean Hydrogen Alliance



The European Clean Hydrogen Alliance was set up in July 2020 by the European Commission.

One of the Alliance's main objectives is to facilitate investments in clean hydrogen. To this end, the alliance prepared a pipeline of viable investment projects. The project pipeline provides an overview of hydrogen projects, helps create integrated European hydrogen value chains, and profiles projects, including with investors.

The pipeline, unveiled at the third Hydrogen Forum in November 2021, included over 750 projects from all parts of the value chain, including

- hydrogen production
- transmission and distribution
- application in industry, transport, energy systems and buildings

Many pipeline projects cover hydrogen production and its use in industries such as chemicals, refining, steel, or transport, particularly heavy-duty road transport and maritime transport.

The projects are located across Europe, with 80% set to enter into operation by the end of 2025.

The projects in the 2021 pipeline total a capacity of 50 GW by 2030. Following the 2022 update, the pipeline now counts more than 840 projects, with capacity that could reach 67 GW by 2030.

The Commission services assessed these projects against a set of criteria including project scope, project size, project maturity and emission reductions. Inclusion in the alliance project pipeline does not entail any direct financial or regulatory advantage. The alliance does not award any financing to projects.

Since the publication of the pipeline, the Commission entered agreements with the EIB and EIT InnoEnergy to advise project promoters individually on bankability and de-risking strategies, investment readiness, and due diligence preparations.

The EBRD launched a call for projects within the Alliance in September 2022.

## Projects per archetype\*: 2021 pipeline

\*one single project may include several archetypes

Energy sector; 143

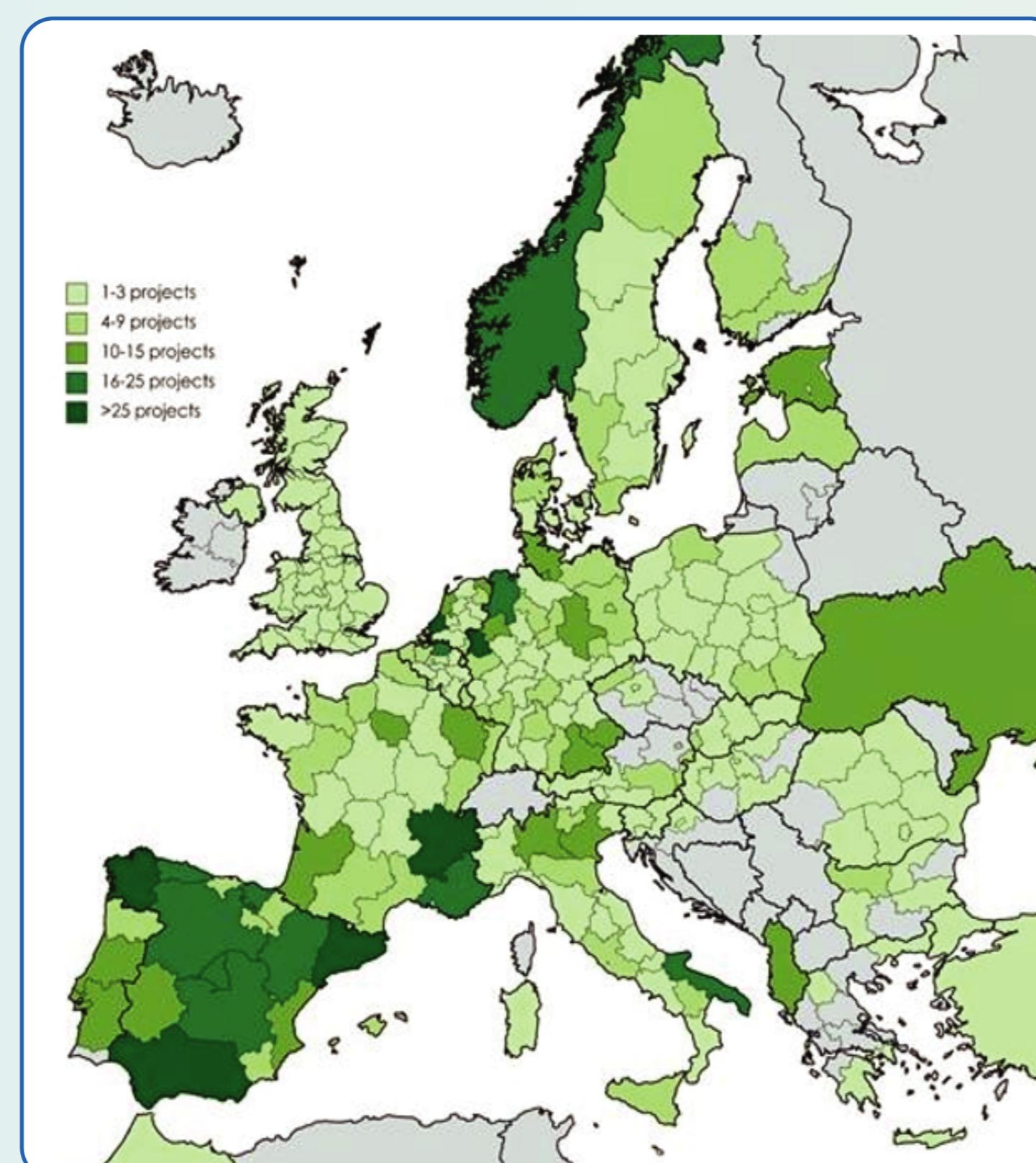
Buildings; 77

Mobility; 240

Industrial applications; 172

Hydrogen Production; 446

Transmission distribution; 163



## Locations of the pipeline projects (2021)

## Projects per archetype\*: 2022 update of the pipeline

\*one single project may include several archetypes

Energy sector; 18

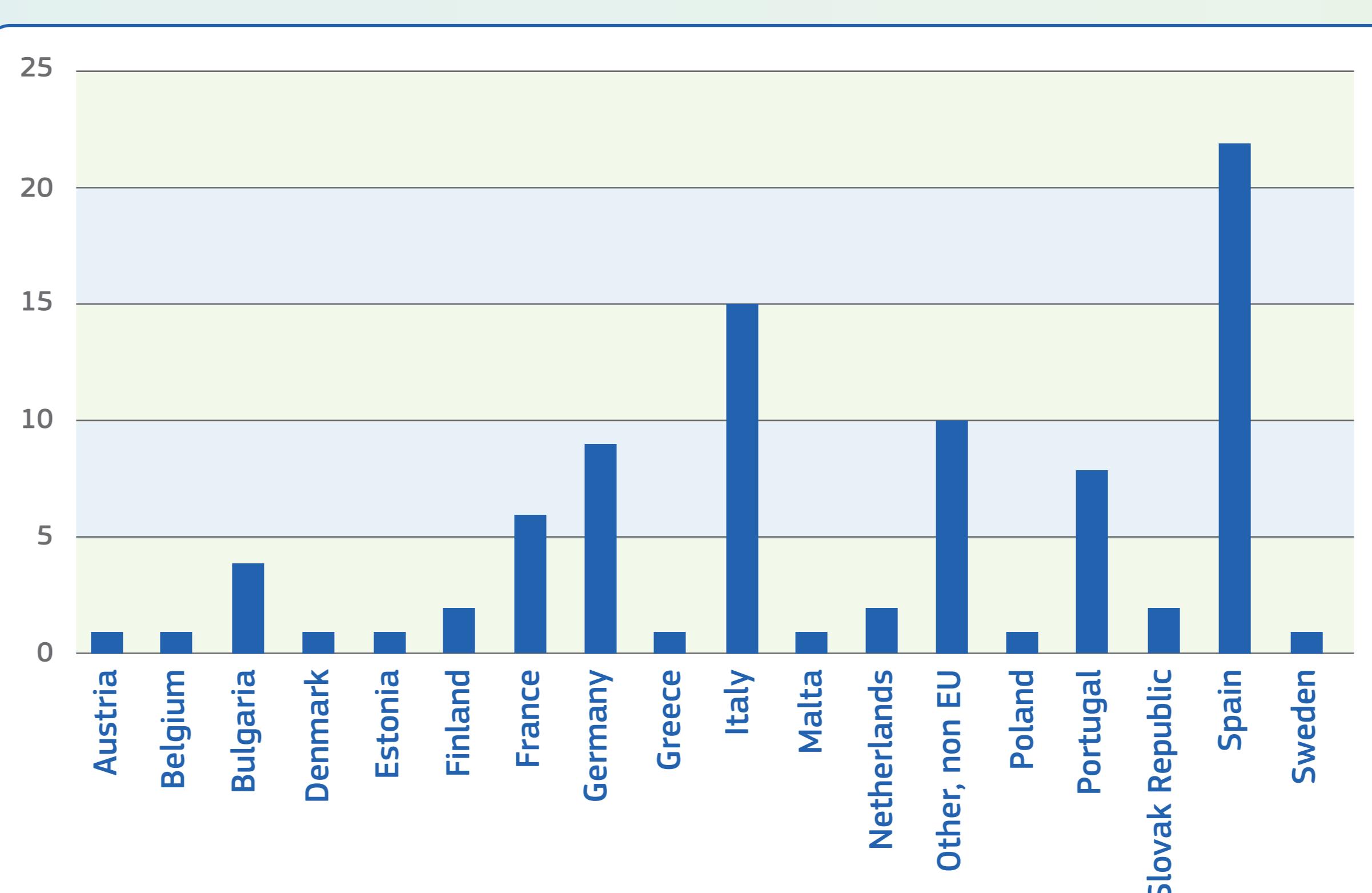
Buildings; 3

Mobility; 16

Industrial applications; 11

Hydrogen Production; 48

Transmission distribution; 23



2022 pipeline update:  
80 projects,  
geographical distribution per country

