



European  
Commission



*Quick Guide*

# HORIZON DASHBOARD

EU Research  
and Innovation data  
at your fingertips

*Research and  
Innovation*

## Quick Guide to Horizon Dashboard – EU Research and Innovation data at your fingertips

European Commission  
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EUROPEAN COMMISSION

*Quick Guide to*

# **HORIZON** DASHBOARD

EU Research and Innovation data at your fingertips

# ABOUT HORIZON 2020

**Horizon 2020 (H2020)** is the biggest EU Research and Innovation programme with €77 billion of funding available over seven years (2014-2020). By coupling research and innovation, H2020 is placing an emphasis on **excellent science**, **industrial leadership** and **tackling societal challenges**. H2020 helps Europe to produce world-class science, removes barriers to innovation and makes it easier for the public and private sectors to work together in deploying innovation on the market.

H2020 is open to everyone, with a simple structure that reduces red tape and time so participants can focus on what matters. This approach helps the projects to get off the ground quickly – and achieve results faster. Consequently, H2020 promises more breakthroughs, discoveries and world-firsts by taking great ideas from the lab to the market.



# HORIZON DASHBOARD: TAKE DATA ON BOARD

The [Horizon Dashboard](#) is an intuitive and interactive reporting platform, composed of a set of sheets that allows series of views to discover and filter the Horizon 2020 data.

The aim of the Horizon Dashboard is to facilitate data sharing, providing public access to real-time programme data in an easy, flexible and user-friendly manner.

This guide will help you to easily navigate through the Horizon Dashboard easily and make use of its interactive functionalities. It will show you how to search and extract your own statistics and analyses on the research topics, countries, regions, organisations, sectors and even individual projects and beneficiaries.

# WHAT IS IN IT FOR YOU?

## The Horizon Dashboard offers:

- An accessible, user friendly, open to the public reference for the H2020 implementation data
- Regularly updated data on H2020 proposals, projects and participants
- Fit-for-purpose filter options including thematic, geographical and regional views
- Powerful analytical functions
- Rich and instant data visualisation with multiple attractive maps and graphs which can be extracted for re-use
- Tailor-made statistics according to your needs



## In this way, the Horizon dashboard may contribute to:

Preparing your future research and innovation project(s) through an easier identification of possible research topics and partners

- The facilitation of monitoring, statistical and evaluation tasks
- Supporting your communication and dissemination activities by providing input for informative material
- Reinforcing and facilitating knowledge sharing and support for the evidence-based policy making

Data visualisations that are publicly available:

### 1. H2020 Projects – full details

- Detailed data on funded projects
- Participation and geographical distribution, including regional data

### 2. H2020 Projects – summary

### 3. H2020 Proposals – summary:

- Aggregated data on proposals
- Participation in proposals

# QUICK TIPS

## 1. How to Filter?

### Select from predefined filters

The dashboard offers a series of **predefined filters**. These are available in the upper part of each sheet.

To apply one of the filters, simply **select it** and choose an option from the **drill-down list**.

The filter gives the possibility to select one or more, or all options among the values, or to exclude certain options from the selection. Your current selection is indicated in green, while the non-selected options are shown in light grey.

The image shows two side-by-side panels from the HORIZON dashboard. The left panel is titled 'Call ID' and the right panel is titled '1. Pillar'. Both panels have a filter icon (three dots) highlighted with a red box. Below the filter icon, there are four options: 'Select all', 'Select possible', 'Select alternative', and 'Select excluded'. The 'Select excluded' option is also highlighted with a red box. Below these options, there is a list of call IDs: H2020-ECSEL-2015-2-IA-two-stage, H2020-ECSEL-2016-1-RIA-two-stage, H2020-ECSEL-2016-2-IA-two-stage, and H2020-ECSEL-2017-1-IA-two-stage. The right panel shows a search bar and a list of pillars: Cross-theme, Euratom Research and Training Progr... (highlighted in green), Excellent Science (highlighted in green), Industrial Leadership, Science with and for Society, Societal Challenges, and Spreading excellence and widening p...



To exclude a value from the selection, select first the dimension that you want to exclude then perform an [alternate selection](#).

For example, to exclude a specific organisation from the statistics on a country, follow the steps below:

### 1. *Select country*

### 2. *Select Filter, Organisation you wish to exclude.*

Green: Current selection

Grey: Alternative

### 3. *Alternate Selection*

The image shows three sequential screenshots of the dashboard's filter interface:

- First Screenshot:** A search bar with 'Search' text. Below it is a list of countries. 'Belgium' is highlighted in green, indicating it is the current selection. Other countries listed include Netherlands, Albania, Australia, Austria, Benin, Brazil, and Bulgaria.
- Second Screenshot:** The search bar is empty. Below it is a list of organisations. 'A.S.T.R.I.D. SA' is highlighted in green, indicating it is the current selection. Other organisations listed include (UN)MANNED, 1-TECH, 3B-FIBREGLASS, 3E NV, A.SPIRE, ABB OF ASEA BROWN BOVERI, and ABIS - THE ACADEMY OF BUSINESS...
- Third Screenshot:** A dropdown menu is open, showing several options: 'Clear selection', 'Select all', 'Select possible', 'Select alternative', and 'Select excluded'. The 'Select alternative' option is highlighted with a red box, indicating it is the next step in the process.

Please note that the same steps apply to exclude any other value available on the dashboard filters.

## Use of the Smart Search

Another useful functionality is the **smart search** – based on an engine that performs a search in the entire database and extracts results for the sheets where the specified keyword is present.

The smart search is available in the right top corner of every sheet by clicking on the **magnifying glass icon**. After typing the keyword or a phrase in the **search field**, your data becomes available.

For example, searching for a project number 700339:

The screenshot shows the Horizon Dashboard interface. At the top, a search bar contains the text "700339". Below the search bar, a table titled "Top Funded Projects" is displayed. The table has four columns: "Project Title", "Project Acronym", "Thema", and "H202". The table lists several projects, including "Implementation of activities described in the Roadmap to Fusion", "COST at a turning point: A unique framework for pan-European ST", "Engine ITD - GAM 2018", and "Laroe Passenger Aircraft". The project number "700339" is highlighted in a yellow box at the bottom left of the table. Below the table, there is a section titled "Apply a selection" which shows the project number "700339" and the corresponding URL: "http://cordis.europa.eu/project/id/700339".

No selections applied

Q 700339

Explore

**Top Funded Projects**

Project Title	Project Acronym	Thema	H202
<b>Totals</b>			
Implementation of activities described in the Roadmap to Fusion	EUROfusion	Euratom	
COST at a turning point: A unique framework for pan-European ST	H2020	Supporting access to international networks	
Engine ITD - GAM 2018	ENG GAM 2018	Smart, green and integrated transport	
Laroe Passenger Aircraft	LPA GAM 2018	Smart, green and	

700339

Apply a selection

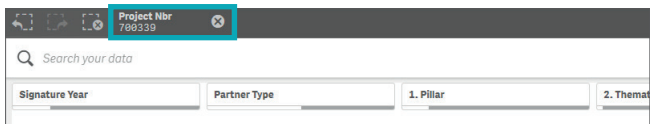
Project Nbr  
700339

= <http://cordis.europa.eu/project/id/700339>  
<http://cordis.europa.eu/project/id/700339>

The **smart search** suggests possible selections depending on the introduced phrase.

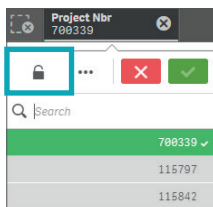
Choosing the above mentioned project number, will result in an entire report, i.e. all of its graphs, tables and sheets to visualize the figures for this specific filter.

Please note that all applied filters and specific selections are always visible in the grey ribbon in the upper part of the screen.



## Locking a filter

You might want to **lock a filter** that you applied. This means it will not change while performing other selections in one of the visualisation sheets.



For the regional statistics, you can use the [Nomenclature of Territorial Units for Statistics \(NUTS\)](#)<sup>1</sup> to focus your search to a specific region.

If not visible, a NUTS filter is available by clicking on the three dots on the right side of H2020 Participations sheet.

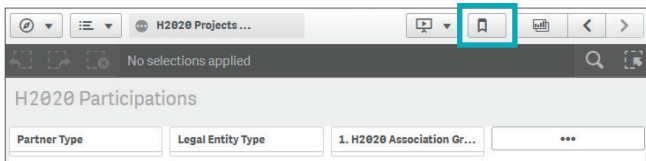


Q NUTS1	Q NUTS2	Q NUTS3
-	-	-
AT1 - OSTÖSTERREICH	AT11 - Burgenland	AT112 - Nordburgenland
AT2 - SÜDÖSTERREICH	AT12 - Niederösterreich	AT113 - Südburgenland
AT3 - WESTÖSTERREICH	AT13 - Wien	AT121 - Mostviertel-Eisenw...
BE1 - RÉGION DE BRUXELL...	AT21 - Kärnten	AT122 - Niederösterreich-S...

<sup>1</sup> NUTS 1: major socio-economic regions;  
NUTS 2: basic regions for the application of regional policies;  
NUTS 3: small regions for specific diagnoses.

## Bookmarks:

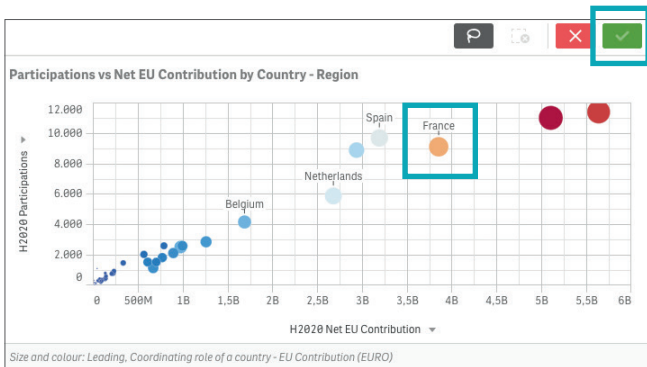
Bookmarks help you save your filters and selected sheets. This is an easy way to keep track of specific statistics. You can access saved bookmarks at any time to restore the previous selection.



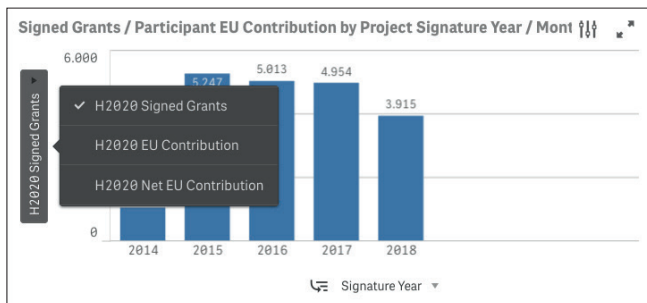
## 2. How to navigate through the graphs?

All graphs, tables and maps are interactive, which means that a selection on a field will apply as a filter instantly and automatically.

For example, selecting France on the scatter plot on **Participations vs Net EU Contribution by Country** will return **all** the information related to participations from France.



Some of the graphs offer additional functionalities by providing **alternative selection options** and they can be adapted based on the dimension visible on the graph. You can do this by **switching the label name** of the axis to the other available values.



In some cases, the tables are only partially visible on the screen (containing hidden columns). You can expand the whole table by [clicking on the arrows at the right side](#) of the table:

Top Funded Projects			
Project Title	Project Acronym	Thema	H2020 Pa
<b>Totals</b>			
Strengthening International Research Capacity in Wales	SIRCIW	Marie-Sklodowska-Curie Actions	
SCIENTIA-FELLOWS II: International Postdoctoral Fellowship	SCIENTIA-FELLOWS II	Marie-Sklodowska-Curie Actions	
Beatriu de Pinos-3 Postdoctoral Programme	BP3	Marie-Sklodowska-Curie Actions	
Extended University Alliance Doctoral Training	DTA3	Marie-Sklodowska-Curie Actions	



### 3. How to select?

#### Selecting a country

The dashboard proposes a wide variety of selections through filters, such as “drop down” and smart search”, or directly interacting with the maps and graphs.

You can select one country among the filters or directly click on the chosen country on the map. This will automatically adjust the visualisations to reflect the number of projects and participations in the selection.

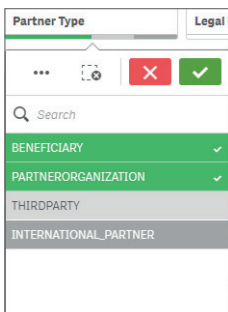


## Selecting an organisation

To produce figures for a specific organisation, use [the free search field](#) and [type the name](#) of the organisation or [click on the legal name available](#) in the graphs and tables.

## Selecting a partner type

To filter the data for a different partner type, meaning its role in the consortium participating in the grant agreement, use the free search option or click on the predefined filter [Partner Type](#). You can choose one or more options and compare the different amounts allocated to beneficiaries or third party participants.



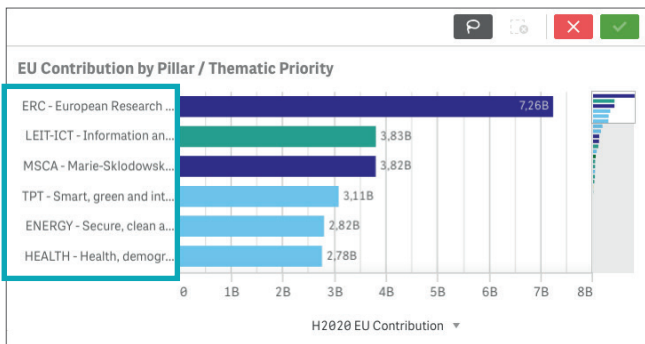
The image shows a dropdown menu for the 'Partner Type' filter. The menu is open, displaying a search bar and a list of options. The 'BENEFICIARY' and 'PARTNERORGANIZATION' options are highlighted in green and have a checkmark in a green box to their right. The 'THIRDPARTY' and 'INTERNATIONAL\_PARTNER' options are highlighted in grey and do not have a checkmark. Above the search bar, there are three dots, a refresh icon, a red 'X' button, and a green checkmark button. The 'Partner Type' label is in the top left corner of the dropdown, and a 'Legal' label is visible in the top right corner of the parent menu.

Partner Type	Legal
...	
Search	
BENEFICIARY	✓
PARTNERORGANIZATION	✓
THIRDPARTY	
INTERNATIONAL_PARTNER	

## Selecting a research thematic priority

You can select one of the H2020 pillars or a programme to see the statistics in a given research thematic priority, e.g. ICT, Energy, Health or Space.

Note that you can expand any graphics or table by clicking on the [full-screen](#) button.



For example, you can access [detailed information on the funded projects](#) by expanding the Top Funded Projects list.

Top Funded Projects			
Project Title	Project Acronym	Thema	H2020 Participations
<b>Totals</b>			<b>24</b>
Strengthening International Research Capacity in Wales	SIRCIW	Marie-Sklodowska-Curie Actions	
SCIENTIA-FELLOWS II: International Postdoctoral Fellowship	SCIENTIA-FELLOWS II	Marie-Sklodowska-Curie Actions	

On this list you will find a direct link to [CORDIS<sup>2</sup>](#) for more details.

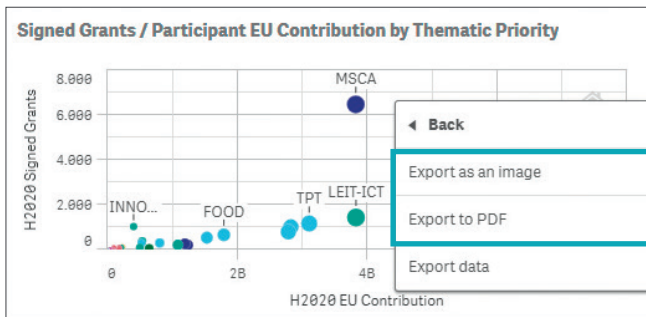
Top Funded Projects									
Project Title	Project Acronym	Thema	H2020 Participations	H2020 EU Contrib. ToA	H2020 Net EU Contribution	Project Nbr	CORDIS link		
<b>Totals</b>			<b>33.177</b>	<b>14.144...</b>	<b>€ 14.144.692.065,98</b>				
CN4-1 Research and Education Networking - GEANT	CN4-1	Research Infrastructures	40	€ 25.00...	€ 25.000.000,00	60156	<a href="#">CORDIS link</a>		
Interactive Computing E-Infrastructure for the Human Brain Project	ICEI	Research Infrastructures	127	€ 24.00...	€ 24.999.873,00	898858	<a href="#">CORDIS link</a>		
breakThrough innovation programme for a pan-European Co-designed Innovation and System for Resilient Economic Competitiveness	ATTRACT	Research Infrastructures	9	€ 19.00...	€ 19.999.872,58	777222	<a href="#">CORDIS link</a>		
	EuroEXA	Future and Emerging Technologies (FET)	18	€ 19.04...	€ 19.949.922,58	754337	<a href="#">CORDIS link</a>		

<sup>2</sup> CORDIS is the Community Research and Development Information Service. It is the European Commission's primary public repository and portal to disseminate information on all EU-funded research projects and their results in the broadest sense.  
<https://cordis.europa.eu>

## 4. How to export?

The dashboard allows you to export the content and, therefore, reuse the graphics. Furthermore, it is possible to extract the **underlying data** for your own statistical analyses.

To export the graphs, right-click on the image, then select one of the two options **Export as an image** or **Export to PDF**, as shown below:



To export the raw data, choose the option **Export data**, which will generate an Excel (xlsx) file.

**EU Contribution by Type of Action**

Simplified Type of Action ▾

Others

Marie Skłodowska-Curie Individual Fellowships, SME Instrument phase 2

Coordination and support action

Marie Skłodowska-Curie Innovative...

Advanced Grant

Starting Grant

Consolidator Grant

Innovation action

Research and Innovation action

11,818

6,988

1 2

- Take snapshot
- Open snapshot library
- Open exploration menu
- Export

3

Back

- Export as an image
- Export to PDF
- Export data

4

	A	B	C	D	E
1	Simplified Type of Action	H2020 EU Contribution			
2	Research and Inn	12811482218			
3	Innovation action	6961253143			
4	Consolidator Grant	2514011940			
5	Starting Grant	2406548065			
6	Advanced Grant	2243591864			
7	Marie Skłodowski	2195498270			
8	Coordination and	2085685349			

You can also export an entire report sheet as a PDF document.

H2020 Projects - full details

Export sheet to PDF

Help

About

1. Pillar

H2020 Signed Grants

20.167 <sup>100,00%</sup> <sub>of H2020</sub>

H2020 EU Contribution

35,56B <sup>100,00%</sup> <sub>of H2020</sub>

Signed Grants / Participant EU Contribution by Project Signature Year /...

Year	Signed Grants
2014	1.458
2016	5.247
2016	5.013
2017	4.954
2018	3.915

## GLOSSARY

**Applicant:** Applicant is a legal entity submitting or being part of the proposal application for funding.

**Participant:** Any legal entity carrying out an action or part of an action under Regulation (EU) No1290/2013 [Horizon 2020] having rights and obligations with regard to the EU or another funding body under the terms of the H2020 Rules for Participation (Regulation 1290/2013).

**Beneficiary:** Legal person, other than the European Commission, who is a party in the grant agreement. The beneficiaries are the participants signing the grant agreement and therefore eligible to receive EU contribution.

It is important to note that the Horizon Dashboard provides information for all consortia of participants, including the details of third party, and other non-beneficiary participants, i.e. consortia partners that are not directly remunerated for their work.

**Eligible proposal:** Eligible proposal : Proposal that meets the requirements to become eligible for a grant. Statistics for the eligible proposals exclude the following proposals having their evaluation results: "INELIGIBLE", "INADMISSIBLE", "DUPLICATE", "WITHDRAWN".

**Retained proposal:** Proposal selected for funding in the result of the evaluation process, or in other words, eligible proposal whose final evaluation status = "MAIN", meaning it was short-listed or MAINLISTED for funding.

**Project Type or Type of Action:** Project funded within FP7 framework programmes can be financed under different schemes – called respectively typed of actions, funding schemes or instruments.

**Participant Activity Type:** The information on participant's legal status (activity type) is the primary information, which defines participant rights and obligations towards funding. This information is collected through the Unique Registration Facility, which is transferred to the Participant Data Management system (PDM/URF) and validated by the relevant services,

primarily during the negotiation stage. A central validation process allows providing each legal entity with a validated registration number, called PIC: Participant Identification Code.

**Research Thematic Priority:** Framework Programme structure such as that of FP7 or H2020 is organized in thematic sections aligned hierarchically in a tree-like taxonomy, called Legal Basis Division. This taxonomy maps the structure of the research thematic areas within a given FP. The definition of the research thematic priority within the framework programme differs according to its level and infers the degree of detail of the research area/ subject or theme:

- Pillar/ Specific Programme
- Objective/ Research Programmes
- Research Theme/ Activity
- Research Topic

## **Countries code convention and names**

The names of the Member States of the European Union must be written and abbreviated according to the following rules:

- The two-letter ISO code should be used (ISO 3166 alpha-2), except for Greece and the United Kingdom, for which the abbreviations EL and UK are recommended.
- The order of protocol for the Member States is alphabetical, based on the original written form of the short name of each country.

### **1. Country Group Classification Codes**

MEMBER: European Union countries. EU Member States

CANDIDATE: Currently recognised as candidates for future accession, excl. EU potential candidates

ASSOCIATED: Science and technology cooperation agreements that involved contributing to the framework programme budget

THIRD (TIERS): Countries not being Member States, candidates or associated countries.





## Country Status and International Cooperation Partner Codes (INCO)

### **2. Country Group in relation with respect to EU regional policies:**

MEMBER-NEW: New EU Member State (joined after the year 2004)

MEMBER-OLD: Old EU Member State (joined before the year 2004)

CANDIDATE: Candidate countries (Enlargement Countries)

EAST: East Neighbourhood Countries

SOUTH: South Neighbourhood Countries

OCT: Overseas Countries and Territories

### **3. Country Group – other political communities:**

CELAC: Community of Latin American and Caribbean States

AFRICAN UNION: African Union

ASEAN: Association of Southeast Asian Nations

EFTA: European Free Trade Association

WESTERN BALKAN: Western Balkan Countries

### **4. Nomenclature of Territorial Units for Statistics (NUTS<sup>3</sup>): The NUTS classification is a hierarchical system for dividing the territory of the EU for the purpose of:**

- Collection, development and harmonisation of EU regional statistics;
- Socio-economic analysis of the regions;
- Framing of EU regional policies.

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<sup>3</sup> NUTS 1: major socio-economic regions;

NUTS 2: basic regions for the application of regional policies;

NUTS 3: small regions for specific diagnoses. The NUTS classification is a hierarchical system for dividing up the economic territory of the EU. More information about NUTS history and characteristics is available at the EUROSTAT website.

To access the dashboard:

<https://europa.eu/!DF83FM>



Want to give us your feedback  
and suggestions?

[rtd-horizon-dashboard@ec.europa.eu](mailto:rtd-horizon-dashboard@ec.europa.eu)

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(certain operators may charge for these calls),
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**<http://eur-lex.europa.eu>**

### OPEN DATA FROM THE EU

The EU Open Data Portal (**<http://data.europa.eu/euodp/en/data>**) provides access to datasets from the EU. Data can be downloaded and reused for free, both for commercial and non-commercial purposes.

Horizon 2020 (H2020) is the biggest EU Research and Innovation programme with €77 billion of funding available over seven years (2014–2020). By coupling research and innovation, H2020 is placing an emphasis on excellent science, industrial leadership and tackling societal challenges.

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**MORE INFORMATION:**

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