



## KEY HIGHLIGHTS

Denmark has participated in a number of partnerships in Horizon 2020. It is the intention under Horizon Europe to continue giving high priority to partnerships, with a focus on partnerships supporting the national strategy to focus on green research and innovation. Danish participation in partnerships has been very successful in a number of areas and Danish scientists and companies have benefitted from the increased internationalisation the partnerships have opened up for them.

**61** H2020 public partnerships (\*)

Or **61.6%** of total (99 partnerships)

**73** H2020 public partnerships (\*) participations

Or **3.4%** of total

**2** H2020 public partnerships (\*) coordinations

Or **2%** of total

Source: ERA-LEARN database (cut-off date June 2021), H2020 period (2014-2020) excluding EIT-KICs, EuroHPC and ECSEL

(\*) Horizon 2020 public-public partnerships include ERA-NET Cofund, EJPs, Art 185 initiatives and JPIs. Partnership participations: number of partnerships a specific country takes part as participant – for certain countries more than one national organisation may take part. Thus the participations may be more than the number of partnerships a country is part of. Total partnership participations: number of partners from a specific country participating with any role (i.e. coordinator, participant, observer, other) in partnerships. Partnership coordinations: number of partnerships a specific country coordinates.

**€83 million**

in actual national contributions in public partnerships during H2020 (2014-2020)

Or **3.8%** of total

**€1 869**

per researcher FTE (average between 2014-2019 based on EUROSTAT data)

Source: ERA-LEARN database (cut-off date June 2021), H2020 period (2014-2020)

Actual national contributions is the funding given by each country to cover the participation of national science and technology groups in the funded projects of the joint transnational calls launched by the public partnerships. Actual contributions for each researcher are the total actual contributions by a country divided by the number of researchers in the country estimated in full-time equivalents (FTE) average between 2014-2019 based on EUROSTAT data.

## KEY INTENTIONS FOR THE FUTURE

In 2020, the Danish government introduced a new research strategy focusing on green science and innovation. This means that national funding of science and innovation will focus on green areas such as climate, energy, environment, recycling, and transportation. In addition, Denmark will continue to prioritise Danish positions of strength like health, ICT, and food/bio.

The new strategy will set the direction for Danish prioritisation of its engagement in future partnerships. Denmark has committed to participate in all 14 partnerships from the first wave of Horizon Europe partnerships starting in 2021/22.

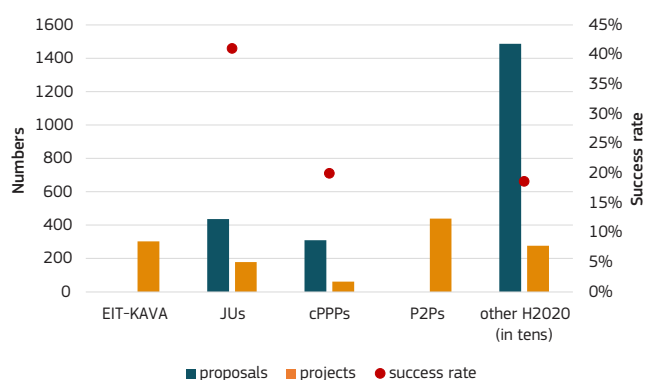


**TABLE 1: Distribution of funding under the different H2020 instruments (P2Ps, JUs, cPPPs and other H2020 projects, i.e. CSAs, RIAs, IAs, etc.) across thematic priorities**

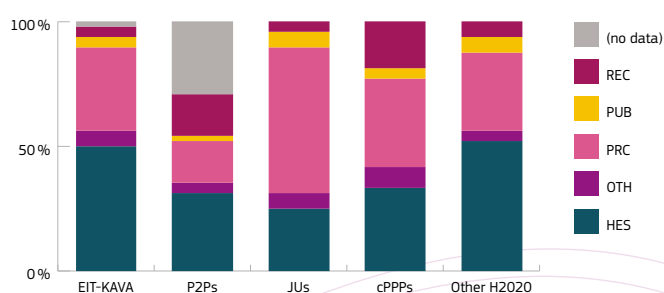
THEMATIC PRIORITIES	P2Ps PROJECTS	JUs PROJECTS	cPPPs PROJECTS	OTHER H2020 PROJECTS
Nanotechnologies, Advanced Materials, Advanced Manufacturing and Processing, Biotechnology	0.00 %	2.28 %	0.25 %	9.53 %
Climate action, environment, resource efficiency and raw materials	18.99 %	0.28 %	2.08 %	7.53 %
Europe in a changing world - inclusive, innovative and reflective Societies	3.96 %		0.73 %	4.58 %
Food security, sustainable agriculture and forestry, marine and maritime and inland water research	26.19 %	18.24 %		14.09 %
Future and Emerging Technologies	2.52 %		0.72 %	6.65 %
Health, demographic change and wellbeing	29.87 %	28.40 %		16.44 %
Information and Communication Technologies		4.77 %	83.99 %	10.83 %
Secure, clean and efficient energy	10.73 %	16.21 %	12.23 %	21.58 %
Smart, green and integrated transport	7.73 %	29.81 %		8.76 %
	100,00 %	100,00 %	100,00 %	100,00 %

Source: ERA-LEARN database (cut-off date June 2021) based on actual national contributions for P2Ps; eCORDA based on net EU contribution; values are calculated as the share of investments of the specific instrument in the specific theme in the total investments under the specific instrument.

**FIGURE 1: Eligible proposals, projects and success rates**



**FIGURE 2: Types of project beneficiaries (%)**



Source: ERA-LEARN database for P2Ps (cut-off date June 2021); eCORDA for EIT-KAVA, JUs, cPPPs, other H2020 projects (RIAs, CSAs, etc.)

No proposal data for P2Ps, EIT-KICs (Figure 1). EIT-KAVA: KIC Added Value Activities; HES: higher education; OTH: other; PRC: private for-profit companies; PUB: public bodies; REC: research organisations (Figure 2)



### ADDITIONAL INVESTMENTS TRIGGERED

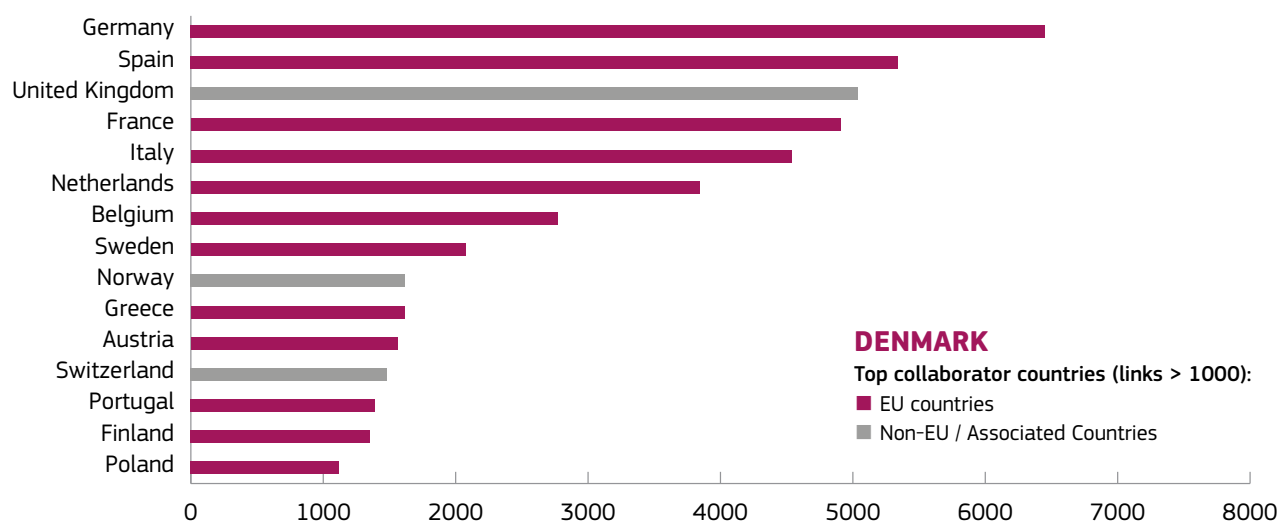
With a more strategic approach to partnerships, it is expected that partnerships will play a stronger role in some areas (especially green research and innovation) and will attract participation – both in-cash and in-kind – from both public and private partners.

### COMPLEMENTARY AND CUMULATIVE FUNDING

The main financial supporter of Danish participation in partnerships is the Innovation Fund Denmark. Other ministries (environment, transportation, health, etc.) primarily participate in partnerships on an in-kind basis.

An element in the Danish strategy for green science and innovation is a mapping of European funding sources for green science and innovation. The purpose is to secure Danish knowledge and access to international funding that can boost Danish (and European) implementation of green solutions, for instance through partnerships.

**FIGURE 3: Top collaborators of Danish researchers under Horizon 2020 projects (including JUs, cPPPs, P2Ps and other H2020 projects)**



Source: eCorda; Showing countries where links >1 000



### SUCCESS STORIES

- ✦ In 2020 the Danish government launched a new strategy for a green science and innovation strategy. An element of this strategy is to establish a number of national partnerships focusing on green research and innovation. The new green strategy emphasises that national partnerships should seek international collaborations, and partnerships in Horizon Europe are mentioned as important potential partners.
- ✦ In general, partnerships have become more visible and effective instruments for Danish researchers. The interest for partnerships among universities, companies etc. has increased – especially for participating in the planning and implementation of new Horizon Europe partnerships.