

# German-Dutch cooperation in the Framework Programmes for Research and Technological Development of the European Community

Innovation Attaché Network – Berlin



Kingdom of the Netherlands



Federal Republic of Germany

## **German-Dutch cooperation in the *Framework Programmes for Research and Technological Development of the European Community***

The Framework Programmes for Research and Technological Development are funding programmes created by the European Commission to support and foster research in the European Research Area (ERA). The specific objectives and actions vary between funding periods. Currently, seven Framework Programmes (FP1 till FP7) have run. The current program FP8 has been named '*Horizon 2020*' and runs from 2014 till 2020.

Cordis (*Community Research and Development Information Service*) is the Commission's primary public repository and portal to disseminate information on all EU-funded research projects and their results. At the time of writing, this database contains information on 98.413 EU-funded projects, dating back to 1990. New projects are continuously added over time.

In Cordis, every project has exactly one project coordinator, but can have a multitude of project participants. A project can have multiple participants from the same country and has a start- and end date.

The Dutch Innovation Attaches in Berlin have analyzed the Cordis database to quantify the amounts of German, Dutch and joint German-Dutch scientific activity within the FPs. The results below allow for monitoring such scientific activity over a prolonged period of time. For these statistics the amount of projects started in a year were counted. The end date, total costs and EU contribution of the project are ignored in this analysis.

<http://cordis.europa.eu/>

EU-funded research projects (since 1990)	
Number of projects in database:	98.413
Amount of projects in which DL participated:	36.017
Amount of projects in which NL participated:	19.253
Amount of projects with joint participation of NL and DL:	10.562
Amount of projects coordinated by DL:	14.190
Amount of projects coordinated by NL:	6.919
Amount of projects with DL coordination, NL participation:	2.385
Amount of projects with NL coordination, DL participation:	2.234

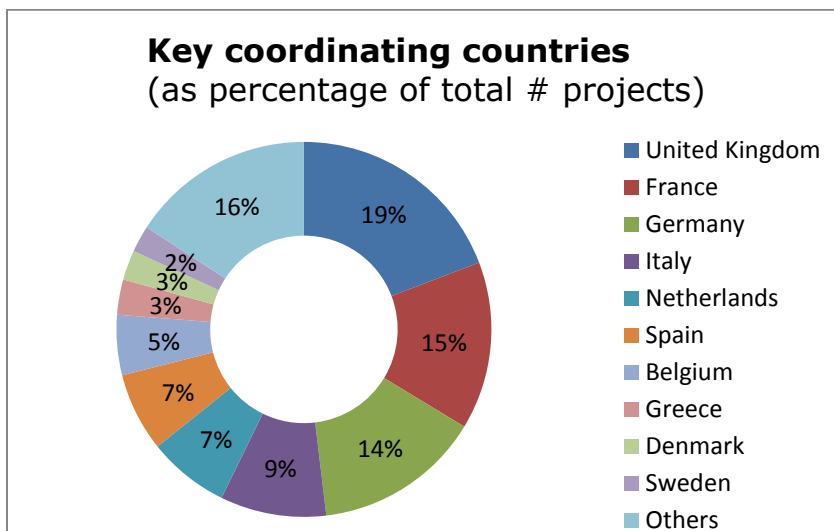
## Overview of project coordination since 1990

Key coordinating countries	Amount of coordinated projects <sup>1</sup>	As % <sup>2</sup>
1. United Kingdom	18.895	19,2
2. France	14.245	14,5
<b>3. Germany</b>	<b>14.190</b>	<b>14,4</b>
4. Italy	9.001	9,1
<b>5. Netherlands</b>	<b>6.919</b>	<b>7,0</b>
6. Spain	6.686	6,8
7. Belgium	5.105	5,2
8. Greece	2.993	3,0
9. Denmark	2.533	2,6
10. Sweden	2.255	2,3
11. Other	15.591	15,8
Sum	82.822	84,2

Total #98.413

<sup>1</sup> Amount of projects coordinated by the aforementioned country in database.

<sup>2</sup> Amount of projects coordinated by the aforementioned country expressed as the percentage of the total amount of projects in database.



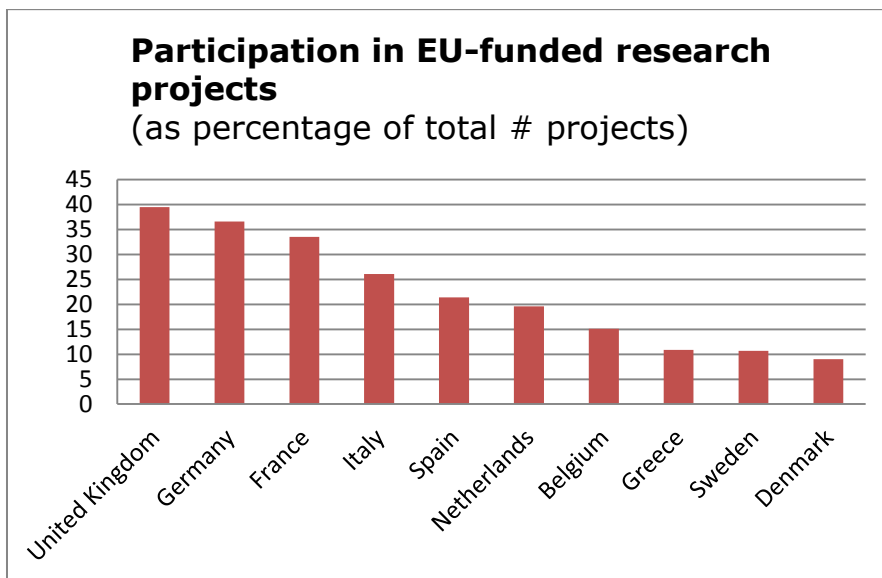
## Overview of project participation since 1990

Key participating countries	Amount of projects participated in <sup>1</sup>	As % <sup>2</sup>
1. United Kingdom	38.855	39,5
<b>2. Germany</b>	<b>36.046</b>	<b>36,6</b>
3. France	32.974	33,5
4. Italy	25.723	26,1
5. Spain	21.041	21,4
<b>6. Netherlands</b>	<b>19.272</b>	<b>19,6</b>
7. Belgium	14.891	15,1
8. Greece	10.742	10,9
9. Sweden	10.541	10,7
10. Denmark	8.853	9,0

Total #98.413

<sup>1</sup>Total amount of projects participated in by the aforementioned country.

<sup>2</sup>Total amount of projects participated in by the aforementioned country, expressed as the percentage of the total amount of projects in database.



### Participation in projects coordinated by Germany since 1990

Key countries participating	Amount of projects <sup>1</sup>	As % <sup>2</sup>
1. United Kingdom	3.790	26,7
2. France	3.667	25,9
3. Italy	2.982	21,0
<b>4. Netherlands</b>	<b>2.385</b>	<b>16,8</b>
5. Spain	2.364	16,7
6. Belgium	1.563	11,0
7. Sweden	1.554	11,0
8. Austria	1.448	10,2
9. Switzerland	1.371	9,7
10. Greece	1.273	9,0

Total #14.183

<sup>1</sup> Amount of German coordinated projects in which the aforementioned country participated.

<sup>2</sup> Amount of German coordinated projects in which the aforementioned country participated, expressed as the percentage of the total amount of German coordinated projects.

### Participation in projects coordinated by the Netherlands since 1990

Key countries participating	Amount of projects <sup>1</sup>	As % <sup>2</sup>
<b>1. Germany</b>	<b>2.234</b>	<b>32,3</b>
2. United Kingdom	2.154	31,2
3. France	1.643	23,8
4. Italy	1.262	18,3
5. Belgium	1.116	16,1
6. Spain	1.041	15,1
7. Sweden	766	11,1
8. Denmark	763	11,0
9. Greece	532	7,7
10. Switzerland	477	6,9

Total #6.913

<sup>1</sup> Amount of Dutch coordinated projects in which the aforementioned country participated.

<sup>2</sup> Amount of Dutch coordinated projects in which the aforementioned country participated, expressed as the percentage of the total Dutch coordinated projects.

**Subjects of projects in which NL and DL jointly participated since 1990:**

<b>Key subjects</b>	<b>Amount of projects<sup>1</sup></b>	<b>As %<sup>2</sup></b>
1. Scientific Research	2.985	28,3
2. Social Aspects	1.942	18,4
3. Environmental Protection	1.774	16,8
4. Information Processing, Information Systems	1.736	16,4
5. Coordination, Cooperation	1.662	15,7
6. Innovation, Technology Transfer	1.502	14,2
7. Education, Training	1.465	13,9
8. Economic Aspects	1.373	13,0
9. Policies	1.272	12,0
10. Industrial Manufacture	1.259	11,9
11. Life Sciences	1.218	11,5
12. Medicine, Health	1.167	11,0
13. Electronics, Microelectronics	1.123	10,6
14. Safety	1.029	9,7
15. Transport	1.012	9,6
16. Telecommunications	876	8,3
17. Biotechnology	861	8,2
18. Materials Technology	703	6,7
19. Information Media	688	6,5
20. Meteorology	654	6,2
21. Renewable Sources of Energy	638	6,0
22. Evaluation	625	5,9
23. Energy Saving	621	5,9
24. Resources of the Sea, Fisheries	606	5,7
25. Agriculture	584	5,5
26. Standards	552	5,2
27. Measurement Methods	528	5,0
28. Legislature, Regulations	470	4,4
29. Aerospace Technology	440	4,2
30. Waste Management	404	3,8
31. Other Energy Topics	400	3,8
32. Reference Materials	371	3,5
33. Food	361	3,4
34. Fossil Fuels	348	3,3
35. Forecasting	317	3,0
36. Regional Development	308	2,9
37. Energy Storage, Energy Transport	293	2,8
38. Nuclear Fission	262	2,5
39. Radiation Protection	178	1,7
40. Earth Sciences	167	1,6

Total #10.562

<sup>1</sup> Total amount of projects with aforementioned subject in which Germany and the Netherlands jointly participated.

<sup>2</sup> Total amount of projects with aforementioned subject in which Germany and the Netherlands jointly participated, expressed as the percentage of all projects in which Germany and the Netherlands jointly participated.

## Development of Dutch, German and joint participation since 1999

Year	Projects started <sup>1</sup>	NL Participation <sup>2</sup>	As % <sup>3</sup>	DL Participation <sup>4</sup>	As % <sup>5</sup>	Joint participation <sup>6</sup>	As % <sup>7</sup>
1999	2382	450	18,9	954	40,1	229	9,6
2000	6307	1207	19,1	2505	39,7	504	8,0
2001	6124	1211	19,8	2379	38,8	650	10,6
2002	5548	1208	21,8	2247	40,5	702	12,7
2003	2032	562	27,7	968	47,6	373	18,4
2004	3358	884	26,3	1703	50,7	646	19,2
2005	3564	800	22,4	1503	42,2	527	14,8
2006	3763	975	25,9	1808	48,0	681	18,1
2007	2020	461	22,8	844	41,8	310	15,3
2008	3290	803	24,4	1425	43,3	555	16,9
2009	3427	728	21,2	1327	38,7	485	14,2
2010	4057	824	20,3	1513	37,3	525	12,9
2011	4512	931	20,6	1627	36,1	573	12,7
2012	4856	984	20,3	1685	34,7	567	11,7
2013	4834	979	20,3	1693	35,0	579	12,0

<sup>1</sup> Amount of projects with start date in aforementioned year.

<sup>2</sup> Amount of projects that the Netherlands participated in and with start date in aforementioned year.

<sup>3</sup> Amount of projects that the Netherlands participated in and with start date in aforementioned year, expressed as the percentage of the total amount of projects started in this year.

<sup>4</sup> Amount of projects that Germany participated in and with start date in aforementioned year.

<sup>5</sup> Amount of projects that Germany participated in and with start date in aforementioned year, expressed as the percentage of the total amount of projects started in this year.

<sup>6</sup> Amount of projects that the Netherlands and Germany jointly participated in and with start date in aforementioned year.

<sup>7</sup> Amount of projects that the Netherlands and Germany jointly participated in and with start date in aforementioned year expressed as the percentage of the total amount of projects started in this year.

## Development of Dutch, German coordination and participation over time

Year	Projects started <sup>1</sup>	NL Coordination <sup>2</sup>	As % <sup>3</sup>	NL Coordination + DL Participation <sup>4</sup>	As % of total NL coordination <sup>5</sup>
1999	2382	191	8,0	76	39,8
2000	6307	435	6,9	156	35,9
2001	6124	396	6,5	119	30,1
2002	5548	405	7,3	141	34,8
2003	2032	144	7,1	62	43,1
2004	3358	207	6,2	104	50,2
2005	3564	217	6,1	79	36,4
2006	3763	271	7,2	129	47,6
2007	2020	127	6,3	55	43,3
2008	3290	206	6,3	85	41,3
2009	3427	194	5,7	67	34,5
2010	4057	234	5,8	85	36,3
2011	4512	293	6,5	102	34,8
2012	4856	348	7,2	114	32,8
2013	4834	349	7,2	116	33,2

<sup>1</sup> Amount of projects with start date in aforementioned year.

<sup>2</sup> Amount of projects coordinated by the Netherlands with start date in aforementioned year.

<sup>3</sup> Amount of projects coordinated by the Netherlands with start date in aforementioned year, expressed as the percentage of the total amount of projects started in this year.

<sup>4</sup> Amount of projects coordinated by the Netherlands in which Germany participated with start date in aforementioned year.

<sup>5</sup> Amount of projects coordinated by the Netherlands in which Germany participated with start date in aforementioned year, expressed as the percentage of the total amount of projects started in this year.

Year	Projects started <sup>1</sup>	DL Coordination <sup>2</sup>	As % <sup>3</sup>	DL Coordination + NL Participation <sup>4</sup>	As % of total DL coordination <sup>5</sup>
1999	2382	386	16,2	44	11,4
2000	6307	643	10,2	142	22,1
2001	6124	945	15,4	172	18,2
2002	5548	830	15,0	159	19,2
2003	2032	302	14,9	77	25,5
2004	3358	567	16,9	145	25,6
2005	3564	521	14,6	118	22,6
2006	3763	580	15,4	131	22,6
2007	2020	284	14,1	65	22,9
2008	3290	415	12,6	133	32
2009	3427	434	12,7	103	23,7
2010	4057	541	13,3	116	21,4
2011	4512	577	12,8	118	20,5
2012	4856	600	12,4	135	22,5
2013	4834	581	12,0	126	21,7

<sup>1</sup> Amount of projects with start date in aforementioned year.

<sup>2</sup> Amount of projects coordinated by Germany with start date in aforementioned year.

<sup>3</sup> Amount of projects coordinated by Germany with start date in aforementioned year, expressed as the percentage of the total amount of projects started in this year.

<sup>4</sup> Amount of projects coordinated by Germany in which the Netherlands participated with start date in aforementioned year.

<sup>5</sup> Amount of projects coordinated by Germany in which the Netherlands participated with start date in aforementioned year, expressed as the percentage of the total amount of projects started in this year.