

BIG DATA VALUE cPPP

ANNEX 3 to the Monitoring Report 2019-20

Implementation of the call for proposals evaluated in 2019 and 2020

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BDV BIG DATA VALUE
ASSOCIATION

ABOUT THIS DOCUMENT

This document is part of the Big Data Value contractual Public-Private Partnership (BDV cPPP) Monitoring report 2019-20 and complements the information provided in the main report and Annex 1 to the main report.

This annex provides detailed information on the implementation of the Call for proposals 2019-20.

Version control:

- **Version 1.0** (September 2021) Annex 3 to the first official version of the Big Data Value cPPP Annual Monitoring Report 2019-20.

1 IMPLEMENTATION OF THE CALL FOR PROPOSALS EVALUATED IN 2019-20

The Work Programme 2018-2020 published on 27th October 2017, called in 2019 for 3 topics dedicated to the Big Data Value cPPP (ICT-11, ICT-13 and DT-ICT-11) and for 2 topics in 2020 (ICT-51 and DT-ICT-05).

In 2019, three calls were evaluated covering the following topics:

- Call H2020-ICT-2018-3. Topic ICT-11b: HPC and Big Data enabled Large-scale Testbeds and Applications (Innovation Actions)
- Call H2020-ICT-2019-2. Topic ICT-13a: Supporting the emergence of data markets and the data economy (Innovation Actions)
- Call H2020-DT-2019-1. Topic DT-ICT-11: Big data solutions for energy (Innovation Actions)

In 2020 two calls were evaluated covering the following topics:

- Call H2020-DT-2018-20. Topic: DT-ICT-05-2020: Big Data Innovation Hubs, Innovation Action with 3 subtopics (Innovation actions, 3 subtopics)
- Call H2020-ICT-2018-20. Topic: ICT-51-2020: Big Data Technologies and extreme-scale analytics (Research and Innovation Actions)

The evaluation criteria were standard (no specific criteria applied) and they are described in the Chapter H of the general annexes to the H2020 WP2018-20¹. The evaluation committees involved:

- 14 experts (of which 7 women) for ICT-11b;
- 27 experts (of which 13 women) for ICT-13;
- 20 experts (of which 10 women) for DC ICT-11.
- 14 experts (of which 7 women) for DT-ICT-05;
- 35 experts (of which 18 women) for ICT-51.

¹ HORIZON 2020 WORK PROGRAMME 2018-2020 19. General Annexes, https://ec.europa.eu/research/participants/data/ref/h2020/other/wp/2018-2020/annexes/h2020-wp1820-annex-ga_en.pdf

The average time-to-grant (TTG) was of **215,6 days** for the three calls evaluated in **2019**, and of **196 days** for the 2 **calls evaluated in 2020** (205 days for the DT-ICT-05 topic and 187 days for the ICT-51 topic) compared to the maximum TTG of 245 days.

Table 1 provides quantitative information related to the duration of the evaluation period, the number of Grant Agreements signed, the outcome of the calls in terms of requested budget and funding from the European Commission for the calls evaluated in 2019 and 2020. **The total EC contribution to the 25 funded projects is 179,5 Million euros:**

- **15 projects** with a total EC contribution of **118,9 M€** for the calls evaluated in **2019**.
- **10 projects** with a total EC contribution of **60,6 M€** for the calls evaluated in **2020**.

Call Reference	Publication date	Evaluation period	Nr of topics	Nr of GAs signed	Indicative budget [max funding] (M€)	Outcome of the call ² (M€)	Funding	
							EU contribution (rounded figures)	Private/cPPP contribution (rounded figures)
H2020-ICT-2018-3 (ICT-11b)	26/7/2018	21-24/1/2019	1	2	40 M	246,2 M	32,3 M	8,8 M
H2020-ICT-2019-2 (ICT-13)	16/10/2018	3-7/6/2019	1	9	48 M	283,4 M	48,6 M	11,4 M
H2020-DT-2019-1 (DT-ICT-11)	16/10/2018	11-14/6/2019	1	4	30 M	174,5 M	38,0 M	8 M
H2020-DT-2018-20 (DT-ICT-05)	09/07/2019	13/11/2019	1	4	30.5 M	80.2 M	29.8 M	1.5 M
H2020-ICT-2018-20 (ICT-51)	09/07/2019	9-13/3/2020	2	6	31.5 M	291.6 M	30.8 M	0 M

Table 1 - cPPP calls for proposals evaluated in 2019 and 2020

² Total amount requested in all eligible proposals

Table 2 to Table 6 below further details the number of submitted proposal, eligible proposals and above threshold/selected for funding proposals for each of the abovementioned calls.

Call Reference	Submitted proposal			Evaluation results		Success rate%
	Submitted proposals	Eligible proposals	% of retained	Above threshold	Selected for funding	
H2020-ICT-2018-3 (ICT-11b)	18	18	100%	11	2	11.1%

Table 2 - Evaluation results ICT-11b

Call Reference	Submitted proposal			Evaluation results		Success rate%
	Submitted proposals	Eligible proposals	% of retained	Above threshold	Selected for funding	
H2020-ICT-2019-2 (ICT-13)	54	54	100%	34	9	16.6%

Table 3 - Evaluation results ICT-13

Call Reference	Submitted proposal			Evaluation results		Success rate%
	Submitted proposals	Eligible proposals	% of retained	Above threshold	Selected for funding	
H2020-DT-2019-1 (DT-ICT-11)	19	19	100%	10	4	21,05%

Table 4 - Evaluation results DT-ICT-11

Call Reference	Submitted proposal			Evaluation results		Success rate%
	Submitted proposals	Eligible proposals	% of retained	Above threshold	Selected for funding	
H2020-DT-2018-20 (DT-ICT-05)	11	11	100%	6	4	36.3 %

Table 5 - Evaluation DT-ICT-05

Call Reference	Submitted proposal			Evaluation results		Success rate%
	Submitted proposals	Eligible proposals	% of retained	Above threshold	Selected for funding	

H2020-ICT-2018-20 (ICT-51)	55	55	100%	20	6	10.9 %
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Table 6 - Evaluation results ICT-51

For the 2019 ICT-11b topic, a total of 458 organisations applied, amongst which 108 Small and Medium Enterprises. **Table 7** illustrates the number of participants in the ICT-11b proposals, funded projects per type of organisations and related success rates.

Type participant	Nr of participants in the Proposals	Nr of participants in the funded Projects	Participants' success rate	% per participant type
Public Bodies	14	0	0%	0%
Research organisations	81	10	12,3%	14,9%
Higher or secondary education	75	8	10,7%	11,9%
Private for profit (excl. education)	208	35	16,8%	52,2%
Others	80	14	17,5%	20,9%
Total	458	67	14,6%	-
SMEs	108	12	11,1%	17,9%

Table 7 - ICT-11b

For the 2019 ICT-13 topic, the total number of participants in the proposals was of 724, including 222 SMEs. **Table 8** indicates the success rate per type of participants for this call.

Type participant	Nr of participants in the Proposals	Nr of participants in the funded Projects	Participants' success rate	% per participant type
Public Bodies	17	2	11,8%	1,8%
Research organisations	134	19	14,2%	16,7%
Higher or secondary education	99	18	18,2%	15,8%
Private for profit (excl. education)	371	57	15,4%	50,0%
Others	103	18	17,5%	15,8%
Total	724	114	15,7%	-
SMEs	222	35	15,8%	30,7%

Table 8 - ICT-13

For the DC-ICT-11 topic the number of participants amounted to 369, out of which 93 were SMEs. Their success rate and the distribution of participants in the funded projects is shown in **Table 9**.

Type participant	Nr of participants in the Proposals	Nr of participants in the funded Projects	Participants' success rate	% per participant type
Public Bodies	6	3	50,0%	3,5%
Research organisations	63	15	23,8%	17,4%
Higher or secondary education	54	9	16,7%	10,5%
Private for profit (excl. education)	183	50	27,3%	58,1%
Others	63	9	14,3%	10,5%
Total	369	86	23,3%	-
SMEs	93	18	19,4%	20,9%

Table 9- DT-ICT-11

For the 2020 DT-ICT-05 topic, a total of 163 organisations applied, amongst which 40 Small and Medium Enterprises. **Table 10** illustrates the number of participants in the DT-ICT-05 proposals, funded projects per type of organisations and related success rates.

Type participant	Nr of participants in the Proposals	Nr of participants in the funded Projects	Participants' success rate	% per participant type
Public Bodies	4	1	25,0%	1,9%
Research organisations	40	14	35,0%	26,4%
Higher or secondary education	24	10	41,7%	18,9%
Private for profit (excl. education)	70	18	25,7%	34,0%
Others	25	10	40,0%	18,9%
Total	163	53	32,5%	-
SMEs	40	9	22,5%	17,0%

Table 10 - DT-ICT-05

Finally for the topic ICT-51 the number of participants amounted to 646, out of which 147 were SMEs. Their success rate and the distribution of participants in the funded projects is shown in **Table 9**.

Type participant	Nr of participants in the Proposals	Nr of participants in the funded Projects	Participants' success rate	% per participant type
Public Bodies	22	2	9,1%	3,1%
Research organisations	154	16	10,4%	25,0%
Higher or secondary education	159	17	10,7%	26,6%
Private for profit (excl. education)	302	29	9,6%	45,3%

Others	9	0	0,0%	0,0%
Total	646	64	9,9%	-
SMEs	147	14	9,5%	21,9%

Table 11 - ICT-51

To illustrate participation and success rates for the calls evaluated in 2019 and 2020, **Table 12** presents the totals for the 5 topics (without considering multiple participation of the same organisation in multiple proposals and topics). The **% of for-profit organisations in funded projects is 49,2%** highlighting the industry-driven nature of the partnership. Their initial committed co-funding in the 25 projects funded under these 5 topics is **29,7 M€**.

SMEs represent 23% of all participants (without considering any cascade funding).

The **average success rate is of 16,3%**, being a bit lower for public bodies (success rate of 12,7%) and a bit higher under the category others (18,2%).

Type participant	Nr of participants in the Proposals	Nr of participants in the funded Projects	Participants' success rate	% per participant type
Public Bodies	63	8	12,7%	2,1%
Research organisations	472	74	15,7%	19,3%
Higher or secondary education	411	62	15,1%	16,1%
Private for profit (excl. education)	1134	189	16,7%	49,2%
Others	280	51	18,2%	13,3%
Total	2360	384	16,3%	-
SMEs	610	88	14,4%	22,9%

Table 12 - Totals of calls evaluated in 2019-20 BDV cPPP topics

From the total contribution of the EC to the calls 2019-20 (**179,5 Million €**), 42,0 % goes to private for-profit organisations, 18,2 % to High Education Institutions, 26,6 % to research institutions, 1,3 % to Public bodies, and 11,9% to others. **19,06 %** of the original EU allocated budget in total goes to SMEs (32,3 Million €). Funding allocated for FSTP or Cascade funding to third parties is not included in these calculations. **Table 13** provides the details per type of participant considering the 5 topics evaluated in 2019 and 2020.

Table 14 to **Table 18** below provide a breakdown of the percentage of EU contribution per type of participants and per call. The tables don't consider funding allocated for financial support to 3rd parties or cascade funding, initially allocated to one of the consortia partners (normally a non-profit or research organisation) and distributed to SMEs. Notably topic DT-ICT-05 (Incubators), the initial allocation of budget is very limited (only 7,1%), but this is compensated by the amount of FSTP funded allocated to these projects to support SMEs and Start-ups.

Type participant	EU contribution	% EU Contribution
Public Bodies	2.419.563 €	1,3%
Research organisations	47.392.197 €	26,4%
Higher or secondary education	32.440.318 €	18,1%
Private for profit (excl. education)	77.995.038 €	43,5%
Others	19.195.629 €	10,7%
Total	179.442.743,79 €	
SMEs	34.012.258,88 €	18,95%

Table 13 - Distribution of funding per type of participant - All topics in 2019-20 BDV cPPP

Type participant	EU contribution	% EU Contribution
Public Bodies	0 €	0%
Research organisations	6 749 597,50 €	20,9%
Higher or secondary education	3 861 965,63 €	11,9%
Private for profit (excl. education)	20 377 094,51 €	63,1%
Others	1 304 375 €	4,0%
Total	32 293 032,64 €	
SMEs	3 861 375 €	11,9%

Table 14 - ICT-11b - funded proposals

Type participant	EU contribution	% EU Contribution
Public Bodies	422 500 €	0,8%
Research organisations	10762810,5 €	22,1%
Higher or secondary education	9.286.812,50 €	19,1%
Private for profit (excl. education)	22567909,9 €	46,4%
Others	5.515.325,00 €	11,3%
Total	48 555 357,9 €	
SMEs	13 618 746,38 €	28,0%

Table 15 - ICT-13 funded proposals

DT	EU contribution	% EU Contribution
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Public Bodies	911.500 €	2,4%
Research organisations	7.796.772,50 €	20,5%
Higher or secondary education	5.147.843 €	13,6%
Private for profit (excl. education)	18.802.902,25 €	49,5%
Others	5.289.441,25 €	13,9%
Total	37.948.459 €	
SMEs	9.153.288,25 €	24,1%

Table 16 - DT-ICT-11 funded proposals

Type participant	EU contribution	% EU Contribution
Public Bodies	53.750,00 €	0,18%
Research organisations	13.451.055,00 €	45,10%
Higher or secondary education	5.800.070,00 €	19,45%
Private for profit (excl. education)	3.435.524,75 €	11,52%
Others	7.086.487,50 €	23,76%
Total	29.826.887,25 €	-
SMEs	2.116.386,75 €	7,10%

Table 17 - DT-ICT-05 funded proposals

Type participant	EU contribution	% EU Contribution
Public Bodies	1.031.812,50 €	3,3%
Research organisations	8.631.961,25 €	28,0%
Higher or secondary education	8.343.627,50 €	27,1%
Private for profit (excl. education)	12.811.606,25 €	41,6%
Others	0,00 €	0,0%
Total	30.819.007,50 €	-
SMEs	5.262.462,50 €	17,1%

Table 18 - ICT.51 funded proposals

The ratio of BDVA members participating in the calls funded in 2019-20 was around 31,1% in the number of organisations and 38,5% in the funding. Participation of BDVA members was higher in the ICT13, DT-ICT-05 and ICT-51 topics in all cases over 30%. Over 50% of the funding of DT-ICT-05 was distributed

among BDVA members, and in all topics over 30% was distributed among BDVA members. **Table 19** presents details topic by topic.

Topic	Total number Org funded	BDVA members	% BDVA members	Total Funding	Funding to BDVA members	% Funding to BDVA members
H2020-ICT-2018-3 (ICT-11b)	67	14	20,9%	32.293.032,64 €	9.887.686,38 €	30,6%
H2020-ICT-2019-2 (ICT-13)	114	42	36,8%	48.555.357,90 €	21.221.376,76 €	43,7%
1H2020-DT-2019-1 (DT-ICT-11)	56	13	23,2%	27.951.758,50 €	7.599.552,75 €	27,2%
H2020-DT-2018-20 (DT-ICT-05)	53	19	35,8%	29.826.887,25 €	15.252.905,00 €	51,1%
H2020-ICT-2018-20 (ICT-51)	64	22	34,4%	30.819.007,50 €	11.221.176,25 €	36,4%
Total	354	110	31,1%	169.446.043,79 €	65.182.697,14 €	38,5%

Table 19 - Participation and funding % to BDVA members

When comparing the results of the 2019-20 calls with what happened in the previous years it emerged that:

- The level of investments of the European Commission reached a record in 2019 (from 69,9 M€ in 2016, 88,9 M€ in 2017, to 42,5 M€ in 2018 and 118,9 M€ in 2019 and 60,6 M€ in 2020) with **total of public investments by end of 2020 of 380,8 M€**.
- **SMEs proportion of participants and proportion of funding remained quite stable**. SMEs represented 21% of all participants in 2017, 25,3% in 2018 and 22,9% in 2019-20. They obtained 22,5% of the funding in 2017, 25,3% in 2018 and 18,95% in 2019-20.³

³ These numbers do not include the cascade funding allocated to SMEs through the Data incubators Data-Pitch and EDI.



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