

**IMPLEMENTATION REPORT FOR THE EUROPEAN TERRITORIAL
COOPERATION GOAL
PART A**

IDENTIFICATION OF THE ANNUAL IMPLEMENTATION REPORT

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2. OVERVIEW OF THE IMPLEMENTATION OF THE COOPERATION PROGRAMME (Article 50(2) of Regulation (EU) No 1303/2013 and Article 14(3)(a) of Regulation (EU) No 1299/2013)

Key information on the implementation of the cooperation programme for the year concerned, including on financial instruments, with relation to the financial and indicator data.

2020 was an intensive year for implementation of the NWE programme marked by events related to the Covid-19 pandemic. Despite the challenges brought by the global situation, the Programme continued to operate in an efficient and effective manner.

The Programme authorities pursued their efforts to complete the funding allocation process and simultaneously provide support to the implemented projects. In 2020, the NWE Monitoring Committee met 3 times (MC 18 – 12th February 2020, MC19 – 2nd - 3rd April 2020 and MC 20 – 23rd September 2020). The Committee discussed the step 2 applications of the 9th call for proposals, the launch of capitalisation calls and the selection of projects, but also the more routine aspects of Programme implementation related to project implementation, Programme monitoring (both financial and thematic) as well as the Brexit challenge. The MC also tackled the impact of the global pandemics on the Programme and funded projects. In order to support the projects and partner organisations in solving Covid-related difficulties, NWE took a two-fold approach. First of all, the Programme authorities granted time extensions to all projects that requested it and provided additional ERDF funding if necessary. In order to prevent solvency issues of partner organisations directly touched by Covid-19, JS, MA and CA accelerated the processing of the project claims in 2020 to prevent cashflow issues (further elaborated on in section 5 of this report).

By end 2020, 102 projects have officially been approved by the NWE Monitoring Committee via 9 calls for proposals and 1 targeted call (renewable energy). Projects of the 9th call were approved by the MC 18 held in April 2020 and resulted in 7 additional projects in the Programme portfolio (6 projects in Priority 1 and 1 projects in Priority 3). In total and by end 2020, the Programme Monitoring Committee allocated EUR 375,708,271 ERDF for 44 projects in Priority 1, 35 projects in Priority 2 and 23 projects in Priority 3.

The year 2020 also brought two calls for capitalisation, boosting the expected project results even further and confirming the NWE dedication to result orientation implemented in the 2014-2020 programming period. Consequently, 8 projects received additional funding and delivery time for their capitalisation activities in call 1 and 25 projects in call 2 (entirely finalised in the first trimester of 2021 though). The capitalisation calls followed the framework of the NWE capitalisation strategy aiming to maximise the impact of project results achieved up to date. The calls were developed around two main objectives. Thematic content-wise, they aimed to support project results that showed a particularly strong potential to be rolled-out or taken up beyond the initial project idea, substantially enhancing the programme's impact in a cost-efficient way. Procedure-wise, the capitalisation calls offered an open, fair and transparent procedure for project partnerships expressing an interest to obtain an ERDF extension.

By end 2020, 8 projects approved in the initial calls of the Programme had been officially closed, with further 4 pending administrative closure. Furthermore, also by end 2020 all 12 closing projects had undergone the final quality appraisals and 41 running projects mid-term quality appraisals, delivered jointly by the JS and the Contact Points. These were valid developments as they breached the gap of the regular programme monitoring related to processing of progress reports received from projects and provided valuable information for the NWE impact evaluation, which will be carried out at the Programme end.

Moreover, the programme communication efforts continued in 2020 despite the challenges linked to the necessary switch to digital media imposed by the pandemic. As an example, in November 2020 the Programme held a webinar focusing on the second call for capitalisation. The event looked into all key documents for the call, detailing the requirements and sharing tips for successful application. Participants

also had the opportunity to ask questions live via sli.do and were provided with information about the support provided by the programme in the application process. Successful projects from the first call shared their experience with and provided inspiration for the audience.

Furthermore, it should be noted that the year 2020 brought European awards for NWE projects. In June 2020 project cVPP received the EU Sustainable Energy Week award. The EU Sustainable Energy Awards' competition recognises the year's top sustainable energy projects in the categories of Engagement, Innovation and Youth. Nine projects were shortlisted in 2020 to compete for the Citizens' Award, with the cVPP (smart solutions for renewable energy management by the community and for the community) being the final winner. In addition, the SHICC project won the 2020's edition of the RegioStars competition in the category "Citizens' engagement for cohesive cities", beating 105 other participants in the competition. The project addresses the issue of housing affordability crisis and the role of Community Land Trusts in the development of innovative solutions and cohesive neighbourhoods.

Last but not least, in April 2020 the Programme released the first online issue of the seasonal newsletter of the Interreg North-West Europe. The newsletter provides information about the most recent activities of the programme, impact stories from projects, videos, and the NWE media presence.

3. IMPLEMENTATION OF THE PRIORITY AXIS

3.1 Overview of the implementation

ID	Priority axis	Key information on the implementation of the priority axis with reference to key developments, significant problems and steps taken to address these problems
1	INNOVATION	<p>The year 2020 led to the approval of further 6 projects under Priority 1 (Specific Objective 1), resulting in the complete pipeline of 44 projects.</p> <p>The 2020 portfolio relates to the two Types of Action of Priority 1, namely:</p> <ol style="list-style-type: none"> 1. “Building the capacity of regions and territories to improve their innovation performance and boosting SME competitiveness”: <ul style="list-style-type: none"> • CURCOL – valorisation of biobased colorants in biodegradable packaging and identification of new supply chains. • HI-ECOWIRE - developing a more sustainable and competitive production process for enamel copper wire, improving its energy performance and efficiency in electrical motors. • MegaAWE - Airborne Wind Energy Systems (AWES) endurance demonstration, strengthening innovation capacity of SMEs involved. • RIGHTWEIGHT supports 50+ manufacturing SMEs in auto & aero value chains to deliver lightweight components meeting car/aircraft makers’ needs. • STEPS focuses on energy e-storage solutions and helping SMEs pursuing the path of this new market. 2. “Social innovation”: <ul style="list-style-type: none"> • EnterToTransform – increasing capacity of recognised refugees to create businesses. <p>In addition, the first Call for Capitalisation resulted in 5 projects from Priority 1 having their action plans extended. The capitalisation extensions related to projects (B4H, BE-GOOD, eMEN, SHICC and UV-ROBOT) and focused on expanding the most successful project outcomes to new geographical areas. In addition and amongst other benefits, the capitalization initiative allowed the projects to working more efficiently to strengthen the NWE life science ecosystem and give the involved SMEs access to foreign markets, also by interactions with other projects already funded by the Programme.</p>
2	LOW CARBON	<p>The call 9 led to no new projects approved in 2020 under Priority 2.</p> <p>Two projects from previous calls were however successful in securing their capitalisation activities, cVPP and ECCO.</p> <p>cVPP is the award winner of the 2020 EU Sustainable Energy Awards' competition, category “Citizens’ engagement for cohesive cities”. The project addresses the issue of housing affordability crisis and the role of Community Land Trusts in the development of innovative solutions and cohesive neighbourhoods. Within the capitalisation initiative, cVPP model builds on 3 operating cVPPs in Belgium, The Netherlands and Ireland and supports their replication, taking the project one step</p>

ID	Priority axis	Key information on the implementation of the priority axis with reference to key developments, significant problems and steps taken to address these problems
		<p>further in the decarbonisation process. This will be achieved by socio-technical upscaling of the operating cVPPs to new target groups and territorial upscaling of the cVPP concept to new territories in Belgium, The Netherlands and Ireland.</p> <p>ECCO project began their activities in 2017. The project works with the growth of local Energy Community Co-Operatives (ECCOs) and aims to boost their effectiveness and numbers. By bringing them together and linking them up with relevant sources of knowledge, the project helps ECCOs overcome the barriers they face. The capitalization call gave the project an opportunity to enter the new commercial renewable energy (RE) market that will be created by the new EU RE Directives, enabling ECCOs not just to produce, store and self-consume, but also trade renewable energy, improving their long-term viability.</p>
3	RESOURCE MATERIALS EFFICIENCY AND	<p>Call 9 finalised in 2020 resulted in one project approved under Priority 3, CIRMAP. Similarly to the previous years and in line with the requirements of this Priority, the project focuses on a resource intensive sector and contributes to the Priority result and result indicator (an optimised use of material resources and a reduction in the use of natural resources in NWE, measured with the use of uptake of eco-innovation in NWE and the resource savings and waste recycling rates).</p> <p>CIRMAP re-uses the Recycled Fine Aggregates (RFA) generated yearly from the crushing of Concrete Construction and Demolition Wastes disposed in landfills or banks. Even though RFAs are not suitable for mass production, they can be reused in concrete, on a smaller scale, to manufacture products needing neither to comply with construction standards nor to possess high performance. The project will lead to the recycling of 25 tonnes of RFA into concrete Urban, Memorial or Garden (UMG) furniture, being the starting point of a new circular economy loop.</p> <p>The first Capitalisation Call led to an extension of one project, ALG-AD. The capitalization activities will allow the partners to develop opportunities in the aquaculture industry by proving that microalgae grown on digestate is a viable, sustainable feed for this market and increasing the rollout potential of anaerobic digestion technologies in the UK, France and Belgium.</p>
4	TECHNICAL ASSISTANCE	<p>The CP network activities entered a new phase in 2020. With regular call promotion and project development finished, their activities focused on capitalization and support to project implementation. The network continued to inform and showcase project achievements and Programme results and promoted the second call for capitalization in NWE. They also provided advice in the CAP application process and played an active role in the preparation of the 2021 publication “NWE making an impact”.</p> <p>The JS Project Unit focused on the continuous monitoring of the project implementation and processed two rounds of progress reports and payment claims submitted by beneficiaries. The Unit also continued to perform mid-term and final project appraisals and processed the Call 9 and Capitalisation Call applications.</p> <p>The JS Programme and Support Unit focused on Programme monitoring and management, ensuring successful Second Level Controls for the funded projects. Preparations for the new programming period were a big part of the unit operations on 2020, including the SWOT analysis of the Programme territory as a solid basis for new NWE Programme and active participation in the preparation of the Interact HIT and JEMS system (Joint Electronic Monitoring System) operating on the basis of the agile methodology and extensive user testing and feedback.</p>

ID	Priority axis	Key information on the implementation of the priority axis with reference to key developments, significant problems and steps taken to address these problems
		<p>The Communication Unit ensured the Programme visibility in external events, resulting in two projects being winners of the 2020 editions of RegioStars (SHICC) and EU Sustainable Energy Week Award (cVPP), updates of the Programme website and provision of communication guidance to projects.</p> <p>It should also be noted that in 2020 the JS welcomed the new Programme Director, Mathieu Mori.</p>

3.2 Common and programme specific indicators (Article 50(2) of Regulation (EU) No 1303/2013)

Priority axes other than technical assistance

Priority axis	1 - INNOVATION
Investment priority	1b - Promoting business investment in R&I, developing links and synergies between enterprises, research and development centres and the higher education sector, in particular promoting investment in product and service development, technology transfer, social innovation, eco-innovation, public service applications, demand stimulation, networking, clusters and open innovation through smart specialisation, and supporting technological and applied research, pilot lines, early product validation actions, advanced manufacturing capabilities and first production, in particular in key enabling technologies and diffusion of general purpose technologies, as well as fostering investment necessary for strengthening the crisis response capacities in health services

Table 2: Common and programme specific output indicators - 1.1b

(1)	ID	Indicator	Measurement unit	Target value	2020	Observations
F	CO01	Productive investment: Number of enterprises receiving support	Enterprises	540.00	683.00	Total output indicator contributions for ongoing (not completed) operations: 683 (partially achieved output values). The high value for this indicator is due to several projects focusing on generic business support and hence involving many companies through generic type of support provided than initially anticipated (nevertheless aligned with the definition for CO01 provided by the European Commission and applied by the Programme). The Programme initially estimated 20 companies supported per project approved, some projects however provide support to more than 20 enterprises, which leads to high output values and an overachievement.
S	CO01	Productive investment: Number of enterprises receiving support	Enterprises	540.00	2,786.00	Total project pipeline value: 2,786. The high value for this indicator is due to several projects focusing on generic business support and involving many companies through more generic type of support than initially anticipated (still aligned with the definition for CO01 provided by the European Commission and applied by the Programme). The Programme initially estimated 20 companies supported per project approved, some projects however provide support to more, which leads to high output values. 2020 project values: 175, 2019 projects: 215, 2018 projects: 1,432, 2017 projects:360, 2016 projects: 604
F	CO26	Research, Innovation: Number of enterprises cooperating with research institutions	Enterprises	540.00	404.00	Total output indicator contributions for ongoing (not completed) operations: 404 (partially achieved output values). VR4REHAB contributed 290 - the project develops rehabilitation protocols for patients with musculoskeletal system and neurodisability, requiring high involvement of and co-creation between SMEs, rehabilitation clinics and universities.
S	CO26	Research, Innovation: Number of enterprises cooperating with research institutions	Enterprises	540.00	705.00	Total project pipeline value : 630 2020 project values: 55, 2019 projects: 84, 2018 projects: 105, 2017 projects: 450, 2016 projects:11 In the programming phase the NWE authorities counted 20 companies per project (x27 projects=540). The value for the selected projects is higher than the target due to the high value of VR4REHAB explained above.
F	CO28	Research, Innovation: Number of enterprises supported to introduce new to the market products	Enterprises	340.00	546.00	Total output indicator contributions for ongoing (not completed) operations: 546 (partially achieved output values). B4H contributed 440, due to delivered generic business support. The high value for this indicator is due to several projects focusing on generic business support and hence involve many companies through generic type of support provided than initially anticipated (nevertheless aligned with the definition for CO01 provided by the European Commission and applied by the Programme). The Programme initially estimated 20 companies supported per project approved, some projects however provide support to more than 20 enterprises, which lead s to high output values and an overachievement.
S	CO28	Research, Innovation: Number of enterprises supported to introduce new to the market products	Enterprises	340.00	795.00	Total project pipeline value :795 2020 project values: 52, 2019 projects: 104, 2018 projects: 137, 2017 projects: 30, 2016 projects:472 Changes to 2018 projects values were due to additional technical requirements concerning project outputs and modification requests. The high value for this indicator is due to several projects focusing on generic business support projects, which involve many companies through more generic type of support provided.
F	CO29	Research, Innovation: Number of enterprises supported to introduce new to the firm products	Enterprises	200.00	176.00	Total output indicator contributions for ongoing (not completed) operations: 176 (partially achieved output values). VR4REHAB has delivered 155. The project develops rehabilitation protocols for patients with musculoskeletal system and neurodisability, requiring high involvement of and co-creation between SMEs, rehabilitation clinics and universities. In the programming phase the NWE authorities counted 20 companies per project (x27 projects=540). The value for the selected projects is higher than the target due to the high value of VR4REHAB explained above.
S	CO29	Research, Innovation: Number of enterprises supported to introduce new to the firm products	Enterprises	200.00	784.00	Total project pipeline value: 784 2020 project values: 4, 2019 projects: 103, 2018 projects: 462, 2017 projects: 206, 2016 projects: 9. The high value for this indicator is due to several projects focusing on generic business support.
F	1.01	Number of new or enhanced transnational clusters or innovation networks	No. of clusters and innovation networks	27.00	8.00	Total output indicator contributions for ongoing (not completed) operations: 8 (partially achieved output values).
S	1.01	Number of new or enhanced transnational clusters or innovation networks	No. of clusters and innovation networks	27.00	71.00	Total project pipeline value: 71 In the programming phase, the Programme authorities did not realise that SO1 projects could contribute to this indicator and CO01 simultaneously (indicator related to the enterprises receiving support). When setting the Programme targets, the projects creating networks only (soft projects) were counted under 1.01 and not the projects contributing to CO01 as a principle, also setting up business support networks. This is why the initial target has been exceeded by the Programme. 2020 project values: 5, 2019 projects:21, 2018 projects: 28, 2017 projects: 15, 2016 projects: 2
F	1.02	Number of technologies, products, services and processes developed and tested in real life conditions	No. of solutions tested	68.00	73.00	Total output indicator contributions for ongoing (not completed) operations: 73. Projects BioBase4SME and ASPECT delivered 18 and 14 respectively, BE:GOOD:11
S	1.02	Number of technologies, products, services and processes developed and tested in real life conditions	No. of solutions tested	68.00	463.00	Total project pipeline value 463. In the programming period, the NWE authorities counted 17 projects x 4 technologies/products/services/processes per project =68. However, some of the approved projects exceeded the value of 4. Those are projects focusing on value chain development or waste stream valorization and/or development and testing of several processes and/or products simultaneously. 2020 project values: 71, 2019 projects: 154, 2018 projects: 159, 2017 projects: 32, 2016 projects: 47.
F	1.03	Number of pilot actions implemented, focusing on social innovation	No. of actions	30.00	6.00	Total output indicator contributions for ongoing (not completed) operations:6 (partially achieved output values). At the end of 2020 the social innovation projects were still too early in their implementation phase to deliver outputs (only the IMAGINE project delivering outputs so far).
S	1.03	Number of pilot actions implemented, focusing on social innovation	No. of actions	30.00	207.00	Total project pipeline: 207 2020 project values: 4, 2019 projects: 23, 2018 projects: 139, 2017 projects:12, 2016 projects: 29.

(1)	ID	Indicator	Measurement unit	Target value	2020	Observations
						In the programming phase, the NWE authorities counted 10 projects leading to 3 pilot actions each (=30). mANY approved projects exceeded this value. In particular UNEET has a high value, due to 126 microinitiatives benefiting 750 individual end-users – people not in training, education or employment.
F	1.04	Number of jobs created in all economic sectors	No. of jobs	860.00	551.00	Total output indicator contributions for ongoing (not completed) operations: 551 (partially achieved output values). A particularly high contribution has been noted from the B4H project.
S	1.04	Number of jobs created in all economic sectors	No. of jobs	860.00	599.00	Total project pipeline :599. 2020 project values: 81, 2019 projects: 245, 2018 projects: 158, 2017 projects: 0, 2016 projects:115. The project contribution to job creation and maintenance will not be as significant as initially anticipated. It is not a primary goal of the projects or the Programme.
F	1.05	Number of jobs maintained in all economic sectors	No. of jobs	860.00	5.00	Total output indicator contributions for ongoing (not completed) operations: 5. Output contributions from individual projects are expected at their end.
S	1.05	Number of jobs maintained in all economic sectors	No. of jobs	860.00	1,448.00	Total project pipeline value:1448 2020 project values: 107, 2019 projects: 11, 2018 projects: 1,280, 2017 projects: 0, 2016 projects: 50. The value is higher than originally anticipated. In the programming phase the NWE authorities counted 43 projects x 20 jobs (=860). Only 4 social innovation projects have been approved to date, two of three representing values that are lower than expected. However the project COTEMACO (leading to 1250 jobs maintained) is working with many SMEs to avoid relocation and subsequent loss of jobs as well as an increase of turnover and revenues due to flexible and more efficient production processes being delivered (assessed in at least 10% increase of an average of €10M turnover/SME, equal to €1M/SME).
F	1.06	Amount of funding leveraged by the project (in €)	EUR	222,000,000.00	0.00	Total output indicator contributions for ongoing (not completed) operations: 0 (partially achieved output values). The amount of funding leveraged by the projects will not be as significant as initially anticipated and will be achieved upon the completion of projects.
S	1.06	Amount of funding leveraged by the project (in €)	EUR	222,000,000.00	45,732,000.00	Total project pipeline value: 45,732,000 2020 project values: 21,000,000, 2019 projects: 11,732,000, 2018 projects: 13,000,000, 2017 projects: 0, 2016 projects: 0. The amount of funding leveraged by the projects will not be as significant as initially anticipated.
F	1.07	Number of end-users benefitting from social innovation	No. of end-users	600.00	172.00	Total output indicator contributions for ongoing (not completed) operations: 172 (partially achieved output values). At the end of 2020 the social innovation projects were early in their implementation phase, which is reflected in the low level of outputs delivered in 2019 (as expected).
S	1.07	Number of end-users benefitting from social innovation	No. of end-users	600.00	55,080.00	Total project pipeline value: 55,080 2020 project values: 0, 2019 projects:300, 2018 projects: 2,050, 2017 projects: 730, 2016 projects: 52,000. In the programming phase, the NWE authorities counted 10 projects leading to 3 pilot actions each, having an impact on 20 end-users each. All approved projects exceeded this value. eMEN has a very high contribution (2016 project).

(1)	ID	Indicator	2019	2018	2017	2016	2015	2014
F	CO01	Productive investment: Number of enterprises receiving support	562.00	472.00	0.00	0.00	0.00	0.00
S	CO01	Productive investment: Number of enterprises receiving support	2,611.00	2,396.00	964.00	604.00	0.00	0.00
F	CO26	Research, Innovation: Number of enterprises cooperating with research institutions	362.00	295.00	0.00	0.00	0.00	0.00
S	CO26	Research, Innovation: Number of enterprises cooperating with research institutions	650.00	566.00	461.00	11.00	0.00	0.00
F	CO28	Research, Innovation: Number of enterprises supported to introduce new to the market products	465.00	367.00	0.00	0.00	0.00	0.00
S	CO28	Research, Innovation: Number of enterprises supported to introduce new to the market products	743.00	639.00	502.00	472.00	0.00	0.00
F	CO29	Research, Innovation: Number of enterprises supported to introduce new to the firm products	170.00	33.00	0.00	0.00	0.00	0.00
S	CO29	Research, Innovation: Number of enterprises supported to introduce new to the firm products	780.00	677.00	215.00	9.00	0.00	0.00
F	1.01	Number of new or enhanced transnational clusters or innovation networks	8.00	3.00	0.00	0.00	0.00	0.00
S	1.01	Number of new or enhanced transnational clusters or innovation networks	66.00	45.00	17.00	2.00	0.00	0.00
F	1.02	Number of technologies, products, services and processes developed and tested in real life conditions	46.00	33.00	0.00	0.00	0.00	0.00
S	1.02	Number of technologies, products, services and processes developed and tested in real life conditions	392.00	238.00	79.00	47.00	0.00	0.00
F	1.03	Number of pilot actions implemented, focusing on social innovation	0.00	0.00	0.00	0.00	0.00	0.00
S	1.03	Number of pilot actions implemented, focusing on social innovation	203.00	180.00	41.00	29.00	0.00	0.00
F	1.04	Number of jobs created in all economic sectors	243.00	133.00	0.00	0.00	0.00	0.00
S	1.04	Number of jobs created in all economic sectors	518.00	273.00	115.00	115.00	0.00	0.00
F	1.05	Number of jobs maintained in all economic sectors	5.00	1.00	0.00	0.00	0.00	0.00
S	1.05	Number of jobs maintained in all economic sectors	1,341.00	1,330.00	50.00	50.00	0.00	0.00
F	1.06	Amount of funding leveraged by the project (in €)	0.00	0.00	0.00	0.00	0.00	0.00
S	1.06	Amount of funding leveraged by the project (in €)	24,732,000.00	13,000,000.00	0.00	0.00	0.00	0.00
F	1.07	Number of end-users benefitting from social innovation	48.00	31.00	0.00	0.00	0.00	0.00
S	1.07	Number of end-users benefitting from social innovation	55,080.00	54,780.00	52,730.00	52,000.00	0.00	0.00

(1) S=Cumulative value - outputs to be delivered by selected operations [forecast provided by beneficiaries], F=Cumulative value - outputs delivered by operations [actual achievement]

Priority axis	1 - INNOVATION
Investment priority	1b - Promoting business investment in R&I, developing links and synergies between enterprises, research and development centres and the higher education sector, in particular promoting investment in product and service development, technology transfer, social innovation, eco-innovation, public service applications, demand stimulation, networking, clusters and open innovation through smart specialisation, and supporting technological and applied research, pilot lines, early product validation actions, advanced manufacturing capabilities and first production, in particular in key enabling technologies and diffusion of general purpose technologies, as well as fostering investment necessary for strengthening the crisis response capacities in health services
Specific objective	SO1 - To enhance innovation performance of enterprises throughout NWE regions

Table 1: Result indicators - 1.1b.SO1

ID	Indicator	Measurement unit	Baseline value	Baseline year	Target value (2023) Total	2020 Total	2020 Qualitative	Observations
R1	Degree of SME involvement in collaboration with other institutions (including R&D)	Percentage	15.00	2014	20.00	15.00		The implementation evaluation carried out by the Programme in 2018 did not include progress of the result indicators. It will however be part of the impact evaluation planned for 2022.

ID	Indicator	2019 Total	2019 Qualitative	2018 Total	2018 Qualitative	2017 Total	2017 Qualitative	2016 Total	2016 Qualitative
R1	Degree of SME involvement in collaboration with other institutions (including R&D)	15.00		15.00		15.00		15.00	

ID	Indicator	2015 Total	2015 Qualitative	2014 Total	2014 Qualitative
R1	Degree of SME involvement in collaboration with other institutions (including R&D)	15.00		15.00	

Priority axis	2 - LOW CARBON
Investment priority	4e - Promoting low-carbon strategies for all types of territories, in particular for urban areas, including the promotion of sustainable multimodal urban mobility and mitigation-relevant adaptation measures

Table 2: Common and programme specific output indicators - 2.4e

(1)	ID	Indicator	Measurement unit	Target value	2020	Observations
F	CO31	Energy efficiency: Number of households with improved energy consumption classification	Households	450.00	7,414.00	Total output indicator contributions for ongoing (not completed) operations: 7,414 (partially achieved output values, ACE-Retrofitting: 5,879, CAN:1,491, E=0:44 – all 2016 approved projects). Values for projects ACE-Retrofitting and CAN are particularly high due to large investments and large-scale retrofits of condominiums and social housing and private homes. Their output contributions to the Programme indicator CO31 are therefore much more substantial than anticipated by the Programme. They are however aligned with the European Commission's definition for CO31.
S	CO31	Energy efficiency: Number of households with improved energy consumption classification	Households	450.00	7,639.00	Total project pipeline value:7,639 2020 project value: 0, 2019 project pipeline: 415, 2018 project pipeline: 0, 2017 project pipeline:0, 2016 project pipeline 7224. Several values are high due to large investments and large-scale retrofits of condominiums and social housing and private homes. Their output contributions to the Programme indicator CO31 are therefore much more substantial than anticipated by the Programme. They are however aligned with the European Commission's definition for CO31. Selected project value is higher than the target value due to the high contribution of ACE-Retrofitting project, explained above. E=0 underwent a modification request and their value changed.
F	CO32	Energy efficiency: Decrease of annual primary energy consumption of public buildings	kWh/year	300,000.00	979.95	Only two projects contribute to this indicator (E=0 and ENERGIE). The programme initially anticipated 10 projects contributing to this indicator.
S	CO32	Energy efficiency: Decrease of annual primary energy consumption of public buildings	kWh/year	300,000.00	23,124.00	Total project pipeline value: 23,124.40. Only two projects contribute to this indicator (E=0:624.40 and ENERGIE:22,500 - 2019 project). The programme initially anticipated 10 projects.
F	CO34	GHG reduction: Estimated annual decrease of GHG	Tonnes of CO2eq	450.00	14,415.13	Total output indicator contributions for ongoing (not completed) operations: 14,415.13 The main contributors are ACE-Retrofitting (9,564 – substantial large-scale retrofits), CAN (3,056 - energy saving measures on neighborhood level), E=0:180 - all 2016 approved projects.
S	CO34	GHG reduction: Estimated annual decrease of GHG	Tonnes of CO2eq	450.00	97,018.20	Total value: 97,018.20 2020 project value: 0, 2019 project pipeline: 9,221.40, 2018 value: 44,200, 2017 values: 18,504.30, 2016 value 25,092.50 Several values are high due to large investments and retrofits delivered by projects, for instance RegEnergy due to large scale energy investments (off-grid supply-demand chain). The Programme targets were set on the basis of the IVB NWE portfolio. The type of VB incoming projects could not be defined with a top-down approach, one common NWE method for a calculation of a project target value could not be defined and then used for a correction. NWE projects work with various energy sources generating varied input to this indicator and also apply different scales of piloting, with an effect on contributions. This is the reason for a high selected value when compared to target.
F	2.01	Number of solutions facilitating the delivery of existing or emerging low-carbon, energy or climate-protection strategies	No. of solutions	18.00	22.00	Total output indicator contributions for ongoing (not completed) operations: 22 (partially achieved output values: CAN:3, E=0:8, ACE-Retrofitting:5)
S	2.01	Number of solutions facilitating the delivery of existing or emerging low-carbon, energy or climate-protection strategies	No. of solutions	18.00	79.00	Total project pipeline value : 79 2019 project pipeline: 12, 2018 project pipeline value:24,2017 project pipeline value:27, 2016 project pipeline value: 16. Values higher than expected are due to projects delivering many solutions, not as initially anticipated 3 solutions per project.
F	2.02	Number of combined mitigation-relevant adaptation solutions implemented	No. of solutions	15.00	0.00	Total output indicator contributions for ongoing (not completed) operations: 0.
S	2.02	Number of combined mitigation-relevant adaptation solutions implemented	No. of solutions	15.00	17.00	Total project pipeline value : 17 2020 project value: 0, 2019 project pipeline: 9, 2018 project pipeline value:8, 2017 project pipeline value:0, 2016 project pipeline value: 0
F	2.03	Number of jobs created in all economic sectors	No. of jobs	200.00	49.00	Total output indicator contributions for ongoing (not completed) operations: 49 (E=0)
S	2.03	Number of jobs created in all economic sectors	No. of jobs	200.00	48.00	Total project pipeline :48. 2020 project value: 0, 2019 project pipeline: 0, 2018 project pipeline value:35, 2017 project pipeline value:0, 2016 project pipeline value:13. The project contribution to job creation and maintenance will not be as significant as initially anticipated. It is not a primary goal of the projects or the Programme.
F	2.04	Number of jobs maintained in all economic sectors	No. of jobs	200.00	20.00	Total output indicator contributions for ongoing (not completed) operations: 20 (E=0).
S	2.04	Number of jobs maintained in all economic sectors	No. of jobs	200.00	55.00	Total project pipeline value :55 2020 project value: 0, 2019 project pipeline value:0, 2018 project pipeline value:35, 2017 project pipeline value: 0, 2016 project pipeline value:20. The project contribution to job creation and maintenance will not be as significant as initially anticipated. It is not a primary goal of the projects or the Programme.
F	2.05	Amount of funding leveraged by the project	EUR	80,811,405.00	17,694,515.00	Total output indicator contributions for ongoing (not completed) operations: 17,694,515
S	2.05	Amount of funding leveraged by the project	EUR	80,811,405.00	54,000,000.00	Total project pipeline value: 54,000,000 2020 project value: 0, 2019 project value: 0, 2018 project pipeline value: 44,200, 2017 project pipeline value: 5,500,000, 2016 project pipeline value:22,000,000 The amount of funding leveraged by the projects will not be as significant as initially anticipated.

(1)	ID	Indicator	2019	2018	2017	2016	2015	2014
F	CO31	Energy efficiency: Number of households with improved energy consumption classification	5,282.00	5,191.00	0.00	0.00	0.00	0.00
S	CO31	Energy efficiency: Number of households with improved energy consumption classification	7,639.00	7,224.00	7,224.00	7,224.00	0.00	0.00
F	CO32	Energy efficiency: Decrease of annual primary energy consumption of public buildings	979.95	312.00	0.00	0.00	0.00	0.00
S	CO32	Energy efficiency: Decrease of annual primary energy consumption of public buildings	23,124.00	624.40	0.00	0.00	0.00	0.00
F	CO34	GHG reduction: Estimated annual decrease of GHG	7,235.63	6,946.00	0.00	0.00	0.00	0.00
S	CO34	GHG reduction: Estimated annual decrease of GHG	97,018.20	87,796.80	43,597.00	25,092.50	0.00	0.00
F	2.01	Number of solutions facilitating the delivery of existing or emerging low-carbon, energy or climate-protection strategies	13.00	4.00	0.00	0.00	0.00	0.00
S	2.01	Number of solutions facilitating the delivery of existing or emerging low-carbon, energy or climate-protection strategies	79.00	67.00	43.00	16.00	0.00	0.00
F	2.02	Number of combined mitigation-relevant adaptation solutions implemented	0.00	0.00	0.00	0.00	0.00	0.00
S	2.02	Number of combined mitigation-relevant adaptation solutions implemented	17.00	8.00	0.00	0.00	0.00	0.00
F	2.03	Number of jobs created in all economic sectors	10.00	10.00	0.00	0.00	0.00	0.00
S	2.03	Number of jobs created in all economic sectors	48.00	48.00	13.00	13.00	0.00	0.00

(1)	ID	Indicator	2019	2018	2017	2016	2015	2014
F	2.04	Number of jobs maintained in all economic sectors	10.00	10.00	0.00	0.00	0.00	0.00
S	2.04	Number of jobs maintained in all economic sectors	55.00	55.00	20.00	20.00	0.00	0.00
F	2.05	Amount of funding leveraged by the project	5,652,999.00	5,652,999.00	0.00	0.00	0.00	0.00
S	2.05	Amount of funding leveraged by the project	54,000,000.00	54,000,000.00	27,500,000.00	22,000,000.00	0.00	0.00

(1) S=Cumulative value - outputs to be delivered by selected operations [forecast provided by beneficiaries], F=Cumulative value - outputs delivered by operations [actual achievement]

Priority axis	2 - LOW CARBON
Investment priority	4e - Promoting low-carbon strategies for all types of territories, in particular for urban areas, including the promotion of sustainable multimodal urban mobility and mitigation-relevant adaptation measures
Specific objective	SO2 - To facilitate the implementation of low-carbon, energy and climate protection strategies to reduce GHG emissions in NWE

Table 1: Result indicators - 2.4e.SO2

ID	Indicator	Measurement unit	Baseline value	Baseline year	Target value (2023) Total	2020 Total	2020 Qualitative	Observations
R2	Effectiveness of the NWE public sector organisations in the implementation of low carbon strategies	Percentage	31.00	2014	18.00	31.00		<p>Given the negative annual growth rate of -15% and the estimate of 9% for 2022, the Programme target value will double the 2022 estimate.</p> <p>The implementation evaluation carried out by the Programme in 2018 did not include progress of the result indicators. It will however be part of the impact evaluation planned for 2022.</p>

ID	Indicator	2019 Total	2019 Qualitative	2018 Total	2018 Qualitative	2017 Total	2017 Qualitative	2016 Total	2016 Qualitative
R2	Effectiveness of the NWE public sector organisations in the implementation of low carbon strategies	31.00		31.00		31.00		31.00	

ID	Indicator	2015 Total	2015 Qualitative	2014 Total	2014 Qualitative
R2	Effectiveness of the NWE public sector organisations in the implementation of low carbon strategies	31.00		31.00	

Priority axis	2 - LOW CARBON
Investment priority	4f - Promoting research and innovation in, and adoption of, low-carbon technologies

Table 2: Common and programme specific output indicators - 2.4f

(I)	ID	Indicator	Measurement unit	Target value	2020	Observations
F	CO26	Research, Innovation: Number of enterprises cooperating with research institutions	Enterprises	220.00	175.00	Total output indicator contributions for ongoing (not completed) operations: 175 (partially achieved output values). Examples: FORESEA:33, PowerVIBES:73
S	CO26	Research, Innovation: Number of enterprises cooperating with research institutions	Enterprises	220.00	178.00	Total project pipeline value: 178 2020 project pipeline value: 0, 2019 project pipeline value: 11, 2018 project pipeline value: 5, 2017 project pipeline value: 136, 2016 project pipeline value 26 In the programming process the NWE authorities counted 20 enterprises per SO3 project. Some of the 2017 and 2018 projects were above and below this value, leading to unequal spread over the years.
F	CO28	Research, Innovation: Number of enterprises supported to introduce new to the market products	Enterprises	220.00	77.00	Total output indicator contributions for ongoing (not completed) operations: 77 (partially achieved output values), FORESEA:65, GenComm:4, UP STRAW:6
S	CO28	Research, Innovation: Number of enterprises supported to introduce new to the market products	Enterprises	220.00	138.00	Total project pipeline value 138. In the programming phase, the Programme envisaged 20 enterprises per funded project. The approved projects however either represent either high or low output contribution. The goal of the Specific Objective 3 is not to drive the market directly. 2020 project pipeline value:0, 2019 project pipeline value: 0, 2018 project pipeline value: 2, 2017 project pipeline value 80, 2016 project pipeline value 56
F	CO29	Research, Innovation: Number of enterprises supported to introduce new to the firm products	Enterprises	220.00	0.00	The values will be reported only for fully implemented operations (not partially achieved output values).
S	CO29	Research, Innovation: Number of enterprises supported to introduce new to the firm products	Enterprises	220.00	50.00	Total project pipeline value: 50 2020 project pipeline value: 0, 2019 project pipeline value: 40, 2018 project pipeline value:0, 2017 project pipeline 10, 2016 project pipeline value:0
F	CO30	Renewables: Additional capacity of renewable energy production	MW	120.00	1.94	Total output indicator contributions for ongoing (not completed) operations: 1.94
S	CO30	Renewables: Additional capacity of renewable energy production	MW	120.00	38.03	Total project pipeline value 38.03 2020 project pipeline value: 0, 2019 project pipeline value: 1.30, 2018 project pipeline value 16,10, 2017 project pipeline value 20.63, 2016 project pipeline value:0 The Programme initially calculated the target for this indicator as for 10 projects and 5 renewable energy investments =50 investments and counted half(25)with PVs and 25 with biomass boilers (expected pipeline) (25x1,2MW +25x3,5MW = circa 120MW target). NWE projects work with various energy sources generating varied input to this indicator and also apply different scales of piloting with an effect on contributions.
F	CO31	Energy efficiency: Number of households with improved energy consumption classification	Households	660.00	0.00	No projects contribute to this indicator. Even though one of the funded projects initially envisaged a contribution, in the course of time the JS realised that the project did not apply the definition of the European Commission (and consequently the Programme), which meant that the value was irrelevant to the indicator. When the Programme was approved, the NWE authorities envisaged 11 projects x 2 solutions per project x 30 households per solution (=660)
S	CO31	Energy efficiency: Number of households with improved energy consumption classification	Households	660.00	0.00	No projects contribute to this indicator. Even though one of the funded projects initially envisaged a contribution, in the course of time the JS realised that the project did not apply the definition of the European Commission (and consequently the Programme), which meant that the value was irrelevant to the indicator. When the Programme was approved, the NWE authorities envisaged 11 projects x 2 solutions per project x 30 households per solution (=660)
F	CO34	GHG reduction: Estimated annual decrease of GHG	Tonnes of CO2eq	500.00	1,856.00	Total output indicator contributions for ongoing (not completed) operations: 1,856 (CleanMobilEnergy:1,606, LOGiC:250)
S	CO34	GHG reduction: Estimated annual decrease of GHG	Tonnes of CO2eq	500.00	12,924.79	Total pipeline value 12,924.79. 2020 project pipeline value:0, 2019 project pipeline value: 325, 2018 pipeline value:4,849.79, 2017 pipeline value 7,750. The Programme targets were set based on the IVB NWE portfolio. The type of VB incoming projects could not be defined with a top-down approach, one common NWE method for a calculation of a project target value/used for a correction. NWE projects work with various energy sources generating varied input to this indicator and also apply different scales of piloting with an effect on contributions.
F	3.01	Number of adopted or applied low carbon technologies	Number of adopted or applied low carbon technologies	44.00	56.00	Total output indicator contributions for ongoing (not completed) operations: 56 (partially achieved output values). FORESEA:33, PowerVIBES:18 as main contributors.
S	3.01	Number of adopted or applied low carbon technologies	Number of adopted or applied low carbon technologies	44.00	84.00	Total project pipeline value: 84. 2020 project pipeline value: 0, 2019 project pipeline value: 2, 2018 project pipeline value: 26, 2017 project pipeline value: 28, 2016 project pipeline value: 28.
F	3.02	Number of jobs created in all economic sectors	No. of jobs	220.00	100.00	Total output indicator contributions for ongoing (not completed) operations: 100 (UP STRAW) Job creation is more likely to be a final project effect (reported in the final project reports rather than interim ones). All projects are ongoing.
S	3.02	Number of jobs created in all economic sectors	No. of jobs	220.00	227.00	Total project pipeline value 227 2019 project pipeline value: 0, 2018 project pipeline value:20, 2017 project pipeline vague: 207, 2016 project pipeline value:0 The 2017 are particularly high due to the UP STRAW project values (high due to high number of professional trainings carried out by the project).
F	3.03	Number of jobs maintained in all economic sectors	No. of jobs	220.00	561.00	Total output indicator contributions for ongoing (not completed) operations: 561 (UP STRAW – 500, ITEG - 61). The high value is due to the UP STRAW outreach - high number of professional trainings carried out by the project, enabling job maintenance.
S	3.03	Number of jobs maintained in all economic sectors	No. of jobs	220.00	560.00	Total project pipeline value :560 2020 project pipeline value: 0, 2019 project pipeline value: 0, 2018 project pipeline value :0, 2017 project pipeline value: 560, 2016 project pipeline value:0 The 2017 are particularly high due to the UP STRAW project values (high due to high number of professional trainings carried out by the project). Job creation is more likely to be a final project effect (reported in the final project reports rather than interim ones). All projects are ongoing.
F	3.04	Amount of funding leveraged by the project	EUR	87,545,688.00	74,234,000.00	Total output indicator contributions for ongoing (not completed) operations: 74,234,000 (FORESEA) Funding leveraged is more likely to be a final project effect (reported in the final project reports rather than interim ones). All projects are ongoing.
S	3.04	Amount of funding leveraged by the project	EUR	87,545,688.00	82,020,000.00	Total project pipeline value: 82,020,000 2020 project pipeline value:0, 2019 project pipeline value: 1,020,000, 2018 project pipeline value:35,000,000, 2017 project pipeline value 16,000,000, 2016 project pipeline value 30,000,000. The amount of funding leveraged by the projects will not be as significant as initially anticipated.

(I)	ID	Indicator	2019	2018	2017	2016	2015	2014
F	CO26	Research, Innovation: Number of enterprises cooperating with research institutions	55.00	19.00	0.00	0.00	0.00	0.00
S	CO26	Research, Innovation: Number of enterprises cooperating with research institutions	178.00	167.00	162.00	26.00	0.00	0.00
F	CO28	Research, Innovation: Number of enterprises supported to introduce new to the market products	47.00	13.00	0.00	0.00	0.00	0.00

(1)	ID	Indicator	2019	2018	2017	2016	2015	2014
S	CO28	Research, Innovation: Number of enterprises supported to introduce new to the market products	138.00	138.00	136.00	56.00	0.00	0.00
F	CO29	Research, Innovation: Number of enterprises supported to introduce new to the firm products	0.00	0.00	0.00	0.00	0.00	0.00
S	CO29	Research, Innovation: Number of enterprises supported to introduce new to the firm products	50.00	10.00	10.00	0.00	0.00	0.00
F	CO30	Renewables: Additional capacity of renewable energy production	1.87	0.25	0.00	0.00	0.00	0.00
S	CO30	Renewables: Additional capacity of renewable energy production	38.03	36.73	20.63	0.00	0.00	0.00
F	CO31	Energy efficiency: Number of households with improved energy consumption classification	0.00	0.00	0.00	0.00	0.00	0.00
S	CO31	Energy efficiency: Number of households with improved energy consumption classification	0.00	0.00	0.00	0.00	0.00	0.00
F	CO34	GHG reduction: Estimated annual decrease of GHG	275.00	25.00	0.00	0.00	0.00	0.00
S	CO34	GHG reduction: Estimated annual decrease of GHG	12,924.79	12,599.79	7,750.00	0.00	0.00	0.00
F	3.01	Number of adopted or applied low carbon technologies	45.00	14.00	0.00	0.00	0.00	0.00
S	3.01	Number of adopted or applied low carbon technologies	84.00	82.00	56.00	28.00	0.00	0.00
F	3.02	Number of jobs created in all economic sectors	100.00	0.00	0.00	0.00	0.00	0.00
S	3.02	Number of jobs created in all economic sectors	227.00	227.00	207.00	0.00	0.00	0.00
F	3.03	Number of jobs maintained in all economic sectors	505.00	1,027.00	0.00	0.00	0.00	0.00
S	3.03	Number of jobs maintained in all economic sectors	560.00	560.00	560.00	0.00	0.00	0.00
F	3.04	Amount of funding leveraged by the project	64,255,029.00	1,500.00	0.00	0.00	0.00	0.00
S	3.04	Amount of funding leveraged by the project	82,020,000.00	81,000,000.00	46,000,000.00	30,000,000.00	0.00	0.00

(1) S=Cumulative value - outputs to be delivered by selected operations [forecast provided by beneficiaries], F=Cumulative value - outputs delivered by operations [actual achievement]

Priority axis	2 - LOW CARBON
Investment priority	4f - Promoting research and innovation in, and adoption of, low-carbon technologies
Specific objective	SO3 - To facilitate the uptake of low carbon technologies, products, processes and services in sectors with high energy saving potential, to reduce GHG emissions in NWE

Table 1: Result indicators - 2.4f.SO3

ID	Indicator	Measurement unit	Baseline value	Baseline year	Target value (2023) Total	2020 Total	2020 Qualitative	Observations
R3	Status of conditions for low carbon technology deployment in NWE	Percentage	60.00	2014	70.00	60.00		The implementation evaluation carried out by the Programme in 2018 did not include progress of the result indicators. It will however be part of the impact evaluation planned for 2022.

ID	Indicator	2019 Total	2019 Qualitative	2018 Total	2018 Qualitative	2017 Total	2017 Qualitative	2016 Total	2016 Qualitative
R3	Status of conditions for low carbon technology deployment in NWE	60.00		60.00		60.00		60.00	

ID	Indicator	2015 Total	2015 Qualitative	2014 Total	2014 Qualitative
R3	Status of conditions for low carbon technology deployment in NWE	60.00		60.00	

Priority axis	2 - LOW CARBON
Investment priority	7c - Developing and improving environmentally-friendly (including low noise) and low-carbon transport systems, including inland waterways and maritime transport, ports, multimodal links and airport infrastructure, in order to promote sustainable regional and local mobility

Table 2: Common and programme specific output indicators - 2.7c

(1)	ID	Indicator	Measurement unit	Target value	2020	Observations
F	CO26	Research, Innovation: Number of enterprises cooperating with research institutions	Enterprises	200.00	106.00	Total output indicator contributions for ongoing (not completed) operations:106 (partially achieved output values - CHIPS, ST4W, H2Share, river, FCCPeHUBS, HECTOR). This reflects the limited involvement of the transport sector companies and the fact that the low carbon solutions and transport management systems are, to a large extent, applied by projects up to demonstration level only (the Programme does not support commercialisation).Despite interest in the Programme, transport operators have found the Programme rules too complex to get involved in projects.
S	CO26	Research, Innovation: Number of enterprises cooperating with research institutions	Enterprises	200.00	117.00	Total project pipeline value:117 2020 project pipeline value: 0. 2019 project pipeline value: 20. 2018 project pipeline value:5. 2017 project pipeline value 52. 2016 project pipeline value 40. Despite interest in the Programme, transport operators (enterprises) have found the Programme rules difficult to get involved in projects.
F	CO28	Research, Innovation: Number of enterprises supported to introduce new to the market products	Enterprises	200.00	6.00	Total output indicator contributions for ongoing (not completed) operations: 6. This reflects the limited involvement of the transport sector companies and the fact that the low carbon solutions and transport management systems are, to a large extent, applied by projects up to demonstration level only (the Programme does not support commercialisation).
S	CO28	Research, Innovation: Number of enterprises supported to introduce new to the market products	Enterprises	200.00	36.00	Total project pipeline value: 36 This reflects the limited involvement of the transport sector companies and the fact that the low carbon solutions and transport management systems are, to a large extent, applied by projects up to demonstration level only (the Programme does not support commercialisation). 2020 project pipeline value: 0. 2019 project pipeline value:30. 2018 project pipeline value:2. 2017 project pipeline value: 4. 2016 project pipeline value:0
F	CO29	Research, Innovation: Number of enterprises supported to introduce new to the firm products	Enterprises	200.00	0.00	This reflects the limited involvement of the transport sector companies and the fact that the low carbon solutions and transport management systems are, to a large extent, applied by projects up to demonstration level only (the Programme does not support commercialisation).
S	CO29	Research, Innovation: Number of enterprises supported to introduce new to the firm products	Enterprises	200.00	0.00	Total project pipeline value:0 This reflects the fact that the low carbon solutions and transport management systems are, to a large extent, applied by projects up to demonstration level only (the Programme does not support commercialisation).
F	CO34	GHG reduction: Estimated annual decrease of GHG	Tonnes of CO2eq	500.00	5,023.00	Total output indicator contributions for ongoing (not completed) operations: 5023 (CHIPS, achievements higher than initially estimated).
S	CO34	GHG reduction: Estimated annual decrease of GHG	Tonnes of CO2eq	500.00	2,199.60	Total project pipeline value: 2,199.60. 2020 project pipeline: 0, 2019: 2,090, 2018 :0, 2017 value: 100, 2016 project pipeline value: 9.6 The Programme targets were set on the basis of the IVB NWE portfolio. The type of VB incoming projects could not be defined with a top-down approach, one common NWE method for a calculation of a project target value could not be defined and then used for a correction. NWE projects work with various energy sources generating varied input to this indicator and also apply different scales of piloting with an effect on contributions.
F	4.01	Number of implemented low carbon solutions in transport	No. of solutions	20.00	17.00	Total output indicator contributions for ongoing (not completed) operations: 17. This reflects the limited involvement of the transport sector companies and the fact that the low carbon solutions and transport management systems are, to a large extent, applied by projects up to demonstration level only (the Programme does not support commercialisation).
S	4.01	Number of implemented low carbon solutions in transport	No. of solutions	20.00	23.00	Total project pipeline value: 23. 2020 project pipeline value: 0, 2019 project pipeline value: 3, 2018 project pipeline value:1, 2017 project pipeline value 8. 2016 project pipeline value 11.
F	4.02	Number of new or improved transport management systems leading to GHG reduction	No. of systems	10.00	2.00	Total output indicator contributions for ongoing (not completed) operations: 2. This reflects the limited involvement of the transport sector companies and the fact that the low carbon solutions and transport management systems are, to a large extent, applied by projects up to demonstration level only (the Programme does not support commercialisation).
S	4.02	Number of new or improved transport management systems leading to GHG reduction	No. of systems	10.00	6.00	Total project pipeline value: 6. 2020 project pipeline value: 0, 2019 project pipeline value: 0, 2018 project pipeline value: 1, 2017 project pipeline value 5, 2016 project pipeline value :0 Only a few SO4 have been approved, hence the low contribution.
F	4.03	Number of transport operators supported implementing low carbon solutions	No. of transport operators	200.00	11.00	Total output indicator contributions for ongoing (not completed) operations:11.
S	4.03	Number of transport operators supported implementing low carbon solutions	No. of transport operators	200.00	13.00	Total project pipeline value: 13. 2019 project pipeline value: 7, 2018 project pipeline value: 2, 2017 project pipeline value: 4, 2016 project pipeline value :0
F	4.04	Number of jobs created in all economic sectors	No. of jobs	200.00	0.00	Total output indicator contributions for ongoing (not completed) operations : 0 (partially achieved output values). The project contribution to job creation and maintenance will not be as significant as initially anticipated. It is not a primary goal of the projects or the Programme.
S	4.04	Number of jobs created in all economic sectors	No. of jobs	200.00	0.00	Total project pipeline value:0 The project contribution to job creation and maintenance will not be as significant as initially anticipated. It is not a primary goal of the projects or the Programme.
F	4.05	Number of jobs maintained in all economic sectors	No. of jobs	200.00	0.00	The project contribution to job creation and maintenance will not be as significant as initially anticipated. It is not a primary goal of the projects or the Programme.
S	4.05	Number of jobs maintained in all economic sectors	No. of jobs	200.00	0.00	Total project pipeline value:0 The project contribution to job creation and maintenance will not be as significant as initially anticipated. It is not a primary goal of the projects or the Programme.
F	4.06	Amount of funding leveraged by the project	EUR	80,811,405.00	200,000,000.00	Total output indicator contributions for ongoing (not completed) operations: CHIPS managed to leverage much more funding than initially anticipated.
S	4.06	Amount of funding leveraged by the project	EUR	80,811,405.00	54,702,090.00	Total output indicator contributions for ongoing (not completed) operations: eHUBS, H2SHIPS, CHIPS

(1)	ID	Indicator	2019	2018	2017	2016	2015	2014
F	CO26	Research, Innovation: Number of enterprises cooperating with research institutions	81.00	28.00	0.00	0.00	0.00	0.00
S	CO26	Research, Innovation: Number of enterprises cooperating with research institutions	117.00	97.00	92.00	40.00	0.00	0.00
F	CO28	Research, Innovation: Number of enterprises supported to introduce new to the market products	6.00	2.00	0.00	0.00	0.00	0.00
S	CO28	Research, Innovation: Number of enterprises supported to introduce new to the market products	36.00	6.00	4.00	0.00	0.00	0.00
F	CO29	Research, Innovation: Number of enterprises supported to introduce new to the firm products	0.00	0.00	0.00	0.00	0.00	0.00

(1)	ID	Indicator	2019	2018	2017	2016	2015	2014
S	CO29	Research, Innovation: Number of enterprises supported to introduce new to the firm products	0.00	0.00	0.00	0.00	0.00	0.00
F	CO34	GHG reduction: Estimated annual decrease of GHG	5,003.00	3.00	0.00	0.00	0.00	0.00
S	CO34	GHG reduction: Estimated annual decrease of GHG	2,199.60	109.60	109.60	9.60	0.00	0.00
F	4.01	Number of implemented low carbon solutions in transport	12.00	6.00	0.00	0.00	0.00	0.00
S	4.01	Number of implemented low carbon solutions in transport	23.00	20.00	19.00	11.00	0.00	0.00
F	4.02	Number of new or improved transport management systems leading to GHG reduction	2.00	0.00	0.00	0.00	0.00	0.00
S	4.02	Number of new or improved transport management systems leading to GHG reduction	6.00	6.00	5.00	0.00	0.00	0.00
F	4.03	Number of transport operators supported implementing low carbon solutions	9.00	2.00	0.00	0.00	0.00	0.00
S	4.03	Number of transport operators supported implementing low carbon solutions	13.00	6.00	4.00	0.00	0.00	0.00
F	4.04	Number of jobs created in all economic sectors	0.00	0.00	0.00	0.00	0.00	0.00
S	4.04	Number of jobs created in all economic sectors	0.00	0.00	0.00	0.00	0.00	0.00
F	4.05	Number of jobs maintained in all economic sectors	0.00	0.00	0.00	0.00	0.00	0.00
S	4.05	Number of jobs maintained in all economic sectors	0.00	0.00	0.00	0.00	0.00	0.00
F	4.06	Amount of funding leveraged by the project	200,000,000.00	55,000,000.00	0.00	0.00	0.00	0.00
S	4.06	Amount of funding leveraged by the project	54,702,090.00	54,700,000.00	54,700,000.00	54,700,000.00	0.00	0.00

(1) S=Cumulative value - outputs to be delivered by selected operations [forecast provided by beneficiaries], F=Cumulative value - outputs delivered by operations [actual achievement]

Priority axis	2 - LOW CARBON
Investment priority	7c - Developing and improving environmentally-friendly (including low noise) and low-carbon transport systems, including inland waterways and maritime transport, ports, multimodal links and airport infrastructure, in order to promote sustainable regional and local mobility
Specific objective	SO4 - To facilitate the implementation of transnational low-carbon solutions in transport systems to reduce GHG emissions in NWE

Table 1: Result indicators - 2.7c.SO4

ID	Indicator	Measurement unit	Baseline value	Baseline year	Target value (2023) Total	2020 Total	2020 Qualitative	Observations
R4	Status of competences of the transport sector in the use of low carbon solutions in the transport systems	Percentage	6.00	2014	15.00	6.00		The implementation evaluation carried out by the Programme in 2018 did not include progress of the result indicators. It will however be part of the impact evaluation planned for 2022.

ID	Indicator	2019 Total	2019 Qualitative	2018 Total	2018 Qualitative	2017 Total	2017 Qualitative	2016 Total	2016 Qualitative
R4	Status of competences of the transport sector in the use of low carbon solutions in the transport systems	6.00		6.00		6.00		6.00	

ID	Indicator	2015 Total	2015 Qualitative	2014 Total	2014 Qualitative
R4	Status of competences of the transport sector in the use of low carbon solutions in the transport systems	6.00		6.00	

Priority axis	3 - RESOURCE AND MATERIALS EFFICIENCY
Investment priority	6f - Promoting innovative technologies to improve environmental protection and resource efficiency in the waste sector, water sector and with regard to soil, or to reduce air pollution

Table 2: Common and programme specific output indicators - 3.6f

(1)	ID	Indicator	Measurement unit	Target value	2020	Observations
F	CO01	Productive investment: Number of enterprises receiving support	Enterprises	200.00	433.00	Total contributions for ongoing (not completed) operations: 433. In the programming phase, NWE envisaged 20 enterprises per project, significantly exceeded by a few projects (e.g. RAWFILL, ReNu2Farm, SeRaMCo). RAWFILL involves enterprises in studies and provides them with a tool applied by them (high outreach and effective application). ReNu2Farm provides expert guidance in product categorisation, enterprises receive training in demonstrations - recycling-fertilizer producers benefit from market strategies developed. Phos4You involves enterprises in the development and operation of phosphorus recovery from wastewater. SeRaMCo helps companies develop innovative concrete and cement mixes, involving them at various stages of the production process. Food Heroes allows proof of concept for companies and has a fairly high outreach as well.
S	CO01	Productive investment: Number of enterprises receiving support	Enterprises	200.00	1,145.00	Total project pipeline value: 1145. In the programming phase, NWE envisaged 20 enterprises per funded project. A few projects however exceeded this number, which explains the difference between the high achieved values for this indicator and the Programme target. 2020 project pipeline : 14, 2019 project pipeline: 498, 2018 project pipeline: 223, 2017 project pipeline value: 374, 2016 project pipeline value: 36.
F	CO26	Research, Innovation: Number of enterprises cooperating with research institutions	Enterprises	200.00	56.00	Total output indicator contributions for ongoing (not completed) operations:56 (partially achieved output values - Food Heroes: 32 as the biggest contributor. In the programming phase, the Programme envisaged 20 enterprises per funded project.
S	CO26	Research, Innovation: Number of enterprises cooperating with research institutions	Enterprises	200.00	148.00	Total project pipeline value: 148. In the programming phase, the Programme envisaged 20 enterprises per funded project, which is slightly different from the individual project contributions. 2020 project pipeline: 10, 2019 project pipeline:10, 2018 project pipeline value:22, 2017 project pipeline value: 60, 2016 project pipeline value: 46. SO5 of the Programme does not focus on the research element of projects as much as SO1, this is why the structure of project partnerships rarely requires an R&D institution.
F	CO28	Research, Innovation: Number of enterprises supported to introduce new to the market products	Enterprises	200.00	67.00	Total output indicator contributions for ongoing (not completed) operations: 67 (partially achieved output values) In the programming phase, the Programme envisaged 20 enterprises per funded project, which was an overestimate.
S	CO28	Research, Innovation: Number of enterprises supported to introduce new to the market products	Enterprises	200.00	109.00	Total project pipeline value: 109 In the programming phase, the Programme envisaged 20 enterprises per funded project, which was an overestimate. Experience shows that the path to eco-innovation diffusion is long and the testing of new approaches and technologies does not automatically result in the direct introduction of ecoinnovation in companies or market. The goal of the Specific Objective 5 is to increase the competences in the resource intensive sector, not to drive the market. 2020 project pipeline: 8, 2019 project pipeline:2, 2018 project pipeline value: 10, 2017 project pipeline value: 61, 2016 pipeline value: 44.
F	CO29	Research, Innovation: Number of enterprises supported to introduce new to the firm products	Enterprises	200.00	93.00	Total output indicator contributions for ongoing (not completed) operations: 93 (partially achieved output values). In the programming phase, the Programme envisaged 20 enterprises per funded project, which was an overestimate. Only 2016 projects have delivered contributions to this indicator so far.
S	CO29	Research, Innovation: Number of enterprises supported to introduce new to the firm products	Enterprises	200.00	52.00	Total project pipeline value: 52. In the programming phase, the Programme envisaged 20 enterprises per funded project, which was an overestimate. The Programme experience shows that the path to eco-innovation diffusion is long and the testing of new approaches and technologies facilitated by the Programme does not automatically result in the direct introduction of eco-innovation in companies or market. Also, the goal of the Specific Objective 5 is to increase the competences in the resource intensive sector, not to drive the market directly. 2020 project pipeline value: 0, 2019 project pipeline value: 12, 2018 project pipeline value: 16, 2017 project pipeline value: 0, 2016 project pipeline value 24
F	5.01	Number of efficient natural and material resources solutions implemented and tested	No. of solutions implemented	42.00	56.00	Total output indicator contributions for ongoing (not completed) operations:56 (partially achieved output values, Food Heroes: 17, RE-DIRECT:7). The solutions are only reported when fully applied in all the required scenarios.
S	5.01	Number of efficient natural and material resources solutions implemented and tested	No. of solutions implemented	42.00	110.00	Total project pipeline value :110 2020 project pipeline value: 0, 2019 project pipeline value: 16, 2018 project pipeline value:12, 2017 project pipeline value: 56, 2016 project pipeline value: 26. Several projects focus on multiple solutions, even though the Programme estimated that each funded project would result in one only per project. Therefore, the aggregated value for the selected projects is higher than the original Programme target. This also results in different project contributions and consequently different annual values.
F	5.02	Number of innovative uses of waste processes/products/services from waste materials	No. of solutions designed	18.00	56.00	Total output indicator contributions for ongoing (not completed) operations: 56 (e.g. ReNu2Farm:35) Projects often apply more than 1 solution/technology/product/service, which results in high output achievement figures. In the programming phase, the Programme counted 1 solution per project only. This explains the fairly high level of achievement of outputs to date.
S	5.02	Number of innovative uses of waste processes/products/services from waste materials	No. of solutions designed	18.00	101.00	Total project pipeline value:101. Projects often apply more than 1 solution/technology/product/service, which results in high output achievement figures. In the programming phase, the Programme counted 1 solution per project only. This explains the overachievement as well as the different annual values. 2020 project pipeline value:2, 2019 project pipeline value: 4, 2018 project pipeline value:17, 2017 project pipeline value 67, 2016 project pipeline value 11.
F	5.03	Amount of funding leveraged by the project	EUR	161,622,811.00	5,000,000.00	Total output indicator contributions for ongoing (not completed) operations:5,000,000 (partially achieved output values RE-DIRECT). The amount of funding leveraged by the projects will not be as significant as initially anticipated, as this is the next step in the industrial process application. NWE does not fund commercialisation of products/ processes, which would result in a more direct leverage.
S	5.03	Amount of funding leveraged by the project	EUR	161,622,811.00	2,000,000.00	Total project pipeline value:2,000,000 2019 project pipeline value:0, 2018 project pipeline value: 0, 2017 project pipeline value: 0 , 2016 project pipeline value :2,000,000 (RE:DIRECT) The amount of funding leveraged by the projects will not be as significant as initially anticipated, as this is the next step in the industrial process application. NWE does not fund commercialisation of products/ processes, which would result in a more direct leverage.
F	5.04	Amount of decreased raw material use	Tonnes	1,000,000.00	220,742.00	Total output indicator contributions for ongoing (not completed) operations:220,742 (SURICATES, Fibersort). The industrial validation and verification processes that are the goal of the funded project, focusing on piloting and demonstration of innovative processes and products do not immediately result in the tonnage of decreased raw material use and increased material recovery, re-use and recycling. Resource savings and waste recycling rates are likely to be the long-term effects of measures applied by projects rather than a direct outcome of their implementation. The value for this indicator is expected to be lower than initially anticipated.
S	5.04	Amount of decreased raw material use	Tonnes	1,000,000.00	476,184.00	Total project pipeline value : 476,184. 2020 project pipeline value: 0, 2019 project pipeline value: 155, 2018 project pipeline value : 6,029, 2017 project pipeline value : 220,000 (SURICATES), 2016 project pipeline value : 30,000. The industrial validation and verification processes (goal of the funded projects focusing on piloting and demonstration of innovative processes and products) do not immediately result in the tonnage of decreased raw material use and increased material recovery, re-use and recycling. Resource savings and waste recycling rates are likely to be the long-term effects of measures applied by projects rather than a direct outcome of their implementation. The value for this indicator is expected to be lower than initial anticipated.
F	5.05	Amount of increased material recovery, re-use and recycling	Tonnes	1,000,000.00	314,643.00	Total output indicator contributions for ongoing (not completed) operations: 314,643 (Fibersort:909, RAWFILL:4,175, SeRaMCo:51,500, SURICATES:255,314). The industrial validation and verification processes that are the goal of the funded project, focusing on piloting and demonstration of innovative processes and products do not immediately result in the tonnage of decreased raw material use and increased material recovery, re-use and recycling. Resource savings and waste recycling rates are likely to be the long-term effects of projects.

(1)	ID	Indicator	Measurement unit	Target value	2020	Observations
S	5.05	Amount of increased material recovery, re-use and recycling	Tonnes	1,000,000.00	546,992.27	Total project pipeline value: 546,992.27 2020 project pipeline value: 25, 2019 project pipeline value: 3,496.27, 2018 project pipeline value: 28,295, 2017 project pipeline value: 501,176, 2016 project pipeline value : 14,000. The industrial validation and verification processes that are the goal of the funded project, focusing on piloting and demonstration of innovative processes and products do not immediately result in the tonnage of decreased raw material use and increased material recovery, re-use and recycling. Resource savings and waste recycling rates are likely to be the long-term effects of projects.
F	5.06	Number of jobs created in all economic sectors	No. of jobs	400.00	43.00	Total output indicator contributions for ongoing (not completed) operations:43 (RE-DIRECT:24) The project contribution to job creation and maintenance will not be as significant as initially anticipated. It is not a primary goal of the projects or the Programme.
S	5.06	Number of jobs created in all economic sectors	No. of jobs	400.00	85.00	Total project pipeline value: 85 2020 project pipeline value: 7, 2019 project pipeline value: 0, 2018 project pipeline value: 5, 2017 project pipeline value: 8, 2016 project pipeline value : 65. The project contribution to job creation and maintenance will not be as significant as initially anticipated. It is not a primary goal of the projects or the Programme. Initially the Programme counted 20 jobs per project, however the approved pipeline shows different values, depending on the project.
F	5.07	Number of jobs maintained in all economic sectors	No. of jobs	400.00	28.00	Total output indicator contributions for ongoing (not completed) operations:28 (partially achieved output values, RE-DIRECT). The project contribution to job creation and maintenance will not be as significant as initially anticipated. It is not a primary goal of the projects or the Programme.
S	5.07	Number of jobs maintained in all economic sectors	No. of jobs	400.00	95.00	Total project pipeline value: 95. The project contribution to job creation and maintenance will not be as significant as initially anticipated. It is not a primary goal of the projects or the Programme. 2020 project pipeline: 0, 2019 project pipeline: 50, 2018 project pipeline value:0, 2017 project pipeline value: 20, 2016 project pipeline value : 25.

(1)	ID	Indicator	2019	2018	2017	2016	2015	2014
F	CO01	Productive investment: Number of enterprises receiving support	186.00	107.00	0.00	0.00	0.00	0.00
S	CO01	Productive investment: Number of enterprises receiving support	1,131.00	633.00	410.00	36.00	0.00	0.00
F	CO26	Research, Innovation: Number of enterprises cooperating with research institutions	41.00	24.00	0.00	0.00	0.00	0.00
S	CO26	Research, Innovation: Number of enterprises cooperating with research institutions	138.00	128.00	106.00	46.00	0.00	0.00
F	CO28	Research, Innovation: Number of enterprises supported to introduce new to the market products	24.00	2.00	0.00	0.00	0.00	0.00
S	CO28	Research, Innovation: Number of enterprises supported to introduce new to the market products	101.00	99.00	89.00	28.00	0.00	0.00
F	CO29	Research, Innovation: Number of enterprises supported to introduce new to the firm products	11.00	6.00	0.00	0.00	0.00	0.00
S	CO29	Research, Innovation: Number of enterprises supported to introduce new to the firm products	52.00	40.00	24.00	24.00	0.00	0.00
F	5.01	Number of efficient natural and material resources solutions implemented and tested	3.00	1.00	0.00	0.00	0.00	0.00
S	5.01	Number of efficient natural and material resources solutions implemented and tested	110.00	94.00	82.00	26.00	0.00	0.00
F	5.02	Number of innovative uses of waste processes/products/services from waste materials	27.00	12.00	0.00	0.00	0.00	0.00
S	5.02	Number of innovative uses of waste processes/products/services from waste materials	99.00	95.00	78.00	11.00	0.00	0.00
F	5.03	Amount of funding leveraged by the project	2,000,000.00	2,000,000.00	0.00	0.00	0.00	0.00
S	5.03	Amount of funding leveraged by the project	2,000,000.00	2,000,000.00	2,000,000.00	2,000,000.00	0.00	0.00
F	5.04	Amount of decreased raw material use	428.00	250.00	0.00	0.00	0.00	0.00
S	5.04	Amount of decreased raw material use	476,184.00	476,029.00	470,000.00	30,000.00	0.00	0.00
F	5.05	Amount of increased material recovery, re-use and recycling	44,058.00	3,500.00	0.00	0.00	0.00	0.00
S	5.05	Amount of increased material recovery, re-use and recycling	546,967.27	543,471.00	515,176.00	14,000.00	0.00	0.00
F	5.06	Number of jobs created in all economic sectors	23.00	12.00	0.00	0.00	0.00	0.00
S	5.06	Number of jobs created in all economic sectors	78.00	78.00	73.00	65.00	0.00	0.00
F	5.07	Number of jobs maintained in all economic sectors	10.00	4.00	0.00	0.00	0.00	0.00
S	5.07	Number of jobs maintained in all economic sectors	95.00	45.00	45.00	25.00	0.00	0.00

(1) S=Cumulative value - outputs to be delivered by selected operations [forecast provided by beneficiaries], F=Cumulative value - outputs delivered by operations [actual achievement]

Priority axis	3 - RESOURCE AND MATERIALS EFFICIENCY
Investment priority	6f - Promoting innovative technologies to improve environmental protection and resource efficiency in the waste sector, water sector and with regard to soil, or to reduce air pollution
Specific objective	SO5 - To optimise (re)use of material and natural resources in NWE

Table 1: Result indicators - 3.6f.SO5

ID	Indicator	Measurement unit	Baseline value	Baseline year	Target value (2023) Total	2020 Total	2020 Qualitative	Observations
R5	Status of competences in the resource intensive sectors in NWE for eco-innovation diffusion	Percentage	110.00	2014	112.00	110.00		<p>The baseline and target values represent 110% and 112% of the EU average respectively.</p> <p>The implementation evaluation carried out by the Programme in 2018 did not include progress of the result indicators. It will however be part of the impact evaluation planned for 2022.</p>

ID	Indicator	2019 Total	2019 Qualitative	2018 Total	2018 Qualitative	2017 Total	2017 Qualitative	2016 Total	2016 Qualitative
R5	Status of competences in the resource intensive sectors in NWE for eco-innovation diffusion	110.00		110.00		110.00		110.00	

ID	Indicator	2015 Total	2015 Qualitative	2014 Total	2014 Qualitative
R5	Status of competences in the resource intensive sectors in NWE for eco-innovation diffusion	110.00		110.00	

Priority axes for technical assistance

Priority axis	4 - TECHNICAL ASSISTANCE
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Table 2: Common and programme specific output indicators - 4. TECHNICAL ASSISTANCE

(1)	ID	Indicator	Measurement unit	Target value	2020	Observations
F	6.01	Number of Transnational Cooperation projects approved	Number		102.00	7 projects approved by the Programme in 2020, 25 projects approved by the Programme MCs in 2019, 30 projects approved by the Programme MCs in 2018, 23 projects approved by the Programme MCs in 2017, 17 projects approved by the Programme MCs in 2016 7 projects approved by the Programme in 2020, 25 projects approved by the Programme MCs in 2019, 30 projects approved by the Programme MCs in 2018, 23 projects approved by the Programme MCs in 2017, 17 projects approved by the Programme MCs in 2016
S	6.01	Number of Transnational Cooperation projects approved	Number		102.00	7 projects approved by the Programme in 2020, 25 projects approved by the Programme MCs in 2019, 30 projects approved by the Programme MCs in 2018, 23 projects approved by the Programme MCs in 2017, 17 projects approved by the Programme MCs in 2016
F	6.03	Average number of visits to the Programme website	Number/month		21,642.00	21,642 visits per month in average in 2020 18,090 visits in average per month in 2019 12,196 visits in average per month in 2018 9,037 visits in average per month in 2017 and 6590 in 2016
S	6.03	Average number of visits to the Programme website	Number/month		21,642.00	21,642 visits per month in average in 2020 18,090 visits in average per month in 2019 12,196 visits in average per month in 2018 9,037 visits in average per month in 2017 and 6590 in 2016
F	6.04	Number of Monitoring Committee meetings	Number		20.00	2020 3 MCs: 12 February 2020, 2-3 April 2020, 23 September 2020 2019 4 MCs: 10 January 2019, 6-7 February 2019, 12-13 June 2019, 25-26 Sept 2019 2018 5 MCs: 31 January-1 February 2018, 7 March 2018, 29 May 2018, 26-27 June 2018, 25-26 October 2018 2017 3 MCs: 14-15 March 2017, 11 May and 19-20 September 2017; 2016 3 MCs: 23-25 February 2016; 25 May 2016; 13-15 September 2016
S	6.04	Number of Monitoring Committee meetings	Number		20.00	2020 3 MCs: 12 February 2020, 2-3 April 2020, 23 September 2020 2019 4 MCs: 10 January 2019, 6-7 February 2019, 12-13 June 2019, 25-26 Sept 2019 2018 5 MCs: 31 January-1 February 2018, 7 March 2018, 29 May 2018, 26-27 June 2018, 25-26 October 2018 2017 3 MCs: 14-15 March 2017, 11 May and 19-20 September 2017; 2016 3 MCs: 23-25 February 2016; 25 May 2016; 13-15 September 2016
F	6.05	Duration of reimbursement of expenditure to final beneficiaries	Weeks		6.10	2020: 6.1 weeks; 2019: 6.8 weeks; 2018 : 7.7 weeks; 2017: 8.7 weeks ; 2016: 8.1 weeks
S	6.05	Duration of reimbursement of expenditure to final beneficiaries	Weeks		6.10	2020: 6.1 weeks; 2019: 6.8 weeks; 2018 : 7.7 weeks; 2017: 8.7 weeks ; 2016: 8.1 weeks
F	6.06	Number of appeals to calls for proposals	Number		0.00	2020 value: 0 2019 value 4: CLASH, InclusiveFieldLabs, SmartCircularBridge, EcopPan 2018 value 1: Homes4All (21/06/2018); 2017 value 1: Urban Farming Now (23/10/2017); 2016 value 2: Greening Brownfields (14/01/2016), H2SME (07/10/2016)
S	6.06	Number of appeals to calls for proposals	Number		0.00	2020 value: 0 2019 value 4: CLASH, InclusiveFieldLabs, SmartCircularBridge, EcopPan 2018 value 1: Homes4All (21/06/2018); 2017 value 1: Urban Farming Now (23/10/2017); 2016 value 2: Greening Brownfields (14/01/2016), H2SME (07/10/2016)
F	6.07	Number of evaluations, studies, surveys, experts, reports	Number		4.00	2020: SWOT analysis 2018: Implementation evaluation; 2017: Territorial cohesion indicators (report); 2016: Evaluation of the two-step approach (report) ;
S	6.07	Number of evaluations, studies, surveys, experts, reports	Number		4.00	2020: SWOT analysis 2018: Implementation evaluation; 2017: Territorial cohesion indicators (report);

(1)	ID	Indicator	Measurement unit	Target value	2020	Observations
F	6.08	Number of employees whose salaries are co-financed by Technical Assistance	Number		32.00	2016: Evaluation of the two-step approach (report) ; 2020: 32 employees of the JS and Contact Points - 21 JS officers and 11 Contact Points 2019: 35 Employees of the JS and Contact Points - 23 JS officers and 12 Contact Point staff members (not all working full-time); 2018: 34 Employees of the JS and Contact Points - 22 JS officers and 12 Contact Point staff members (not all working full-time); 35 in 2017 and 35 in 2016
S	6.08	Number of employees whose salaries are co-financed by Technical Assistance	Number		32.00	2020: 32 employees of the JS and Contact Points - 21 JS officers and 11 Contact Points 2019: 35 Employees of the JS and Contact Points - 23 JS officers and 12 Contact Point staff members (not all working full-time); 2018: 34 Employees of the JS and Contact Points - 22 JS officers and 12 Contact Point staff members (not all working full-time); 35 in 2017 and 35 in 2016
F	6.09	Staff turn-over	Percentage		12.00	Staff turn-over for the JS and Contact Points
S	6.09	Staff turn-over	Percentage		12.00	Staff turn-over for the JS and Contact Points

(1)	ID	Indicator	2019	2018	2017	2016	2015	2014
F	6.01	Number of Transnational Cooperation projects approved	95.00	70.00	40.00	17.00	0.00	0.00
S	6.01	Number of Transnational Cooperation projects approved	95.00	70.00	40.00	17.00	0.00	0.00
F	6.03	Average number of visits to the Programme website	11,479.00	9,275.00	7,814.00	6,590.00	0.00	0.00
S	6.03	Average number of visits to the Programme website	11,479.00	9,275.00	7,814.00	6,590.00	0.00	0.00
F	6.04	Number of Monitoring Committee meetings	17.00	13.00	8.00	5.00	2.00	0.00
S	6.04	Number of Monitoring Committee meetings	17.00	13.00	8.00	5.00	2.00	0.00
F	6.05	Duration of reimbursement of expenditure to final beneficiaries	7.83	8.17	8.40	8.10	0.00	0.00
S	6.05	Duration of reimbursement of expenditure to final beneficiaries	7.83	8.17	8.40	8.10	0.00	0.00
F	6.06	Number of appeals to calls for proposals	8.00	4.00	3.00	2.00	0.00	0.00
S	6.06	Number of appeals to calls for proposals	8.00	4.00	3.00	2.00	0.00	0.00
F	6.07	Number of evaluations, studies, surveys, experts, reports	3.00	3.00	2.00	1.00	0.00	0.00
S	6.07	Number of evaluations, studies, surveys, experts, reports	3.00	3.00	2.00	1.00	0.00	0.00
F	6.08	Number of employees whose salaries are co-financed by Technical Assistance	35.00	34.00	35.00	35.00	22.88	20.08
S	6.08	Number of employees whose salaries are co-financed by Technical Assistance	35.00	34.00	35.00	35.00	22.88	20.08
F	6.09	Staff turn-over	24.00	25.00	18.00	20.00	13.90	0.00
S	6.09	Staff turn-over	24.00	25.00	18.00	20.00	13.90	0.00

(1) S=Cumulative value - outputs to be delivered by selected operations [forecast provided by beneficiaries], F=Cumulative value - outputs delivered by operations [actual achievement]

Priority axis	4 - TECHNICAL ASSISTANCE
Specific objective	SO6 - To maximise the effectiveness and efficiency of the management and implementation of the INTERREG NWE Programme

Table 1: Result indicators - 4.SO6

ID	Indicator	Measurement unit	Baseline value	Baseline year	Target value (2023) Total	2020 Total	2020 Qualitative	Observations
TA1	Share (%) of all supported operations that are implemented successfully, demonstrated by the achievement of planned objectives	Percentage	0.00	2013	90.00			First projects close in 2019
TA2	Percentage of satisfaction of supporting beneficiaries in the implementation and communication of their projects	Percentage	66.00	2014	76.00			To be updated with the communication evaluation planned in 2020
TA3	Amount of regular expenditure in sample for audit of operation	Percentage	0.00	2013	98.00			

ID	Indicator	2019 Total	2019 Qualitative	2018 Total	2018 Qualitative	2017 Total	2017 Qualitative	2016 Total	2016 Qualitative
TA1	Share (%) of all supported operations that are implemented successfully, demonstrated by the achievement of planned objectives	3.00		0.00		0.00		0.00	
TA2	Percentage of satisfaction of supporting beneficiaries in the implementation and communication of their projects	66.00		66.00		66.00		66.00	
TA3	Amount of regular expenditure in sample for audit of operation	99.90		99.95		0.00		0.00	

ID	Indicator	2015 Total	2015 Qualitative	2014 Total	2014 Qualitative
TA1	Share (%) of all supported operations that are implemented successfully, demonstrated by the achievement of planned objectives	0.00		0.00	
TA2	Percentage of satisfaction of supporting beneficiaries in the implementation and communication of their projects	66.00		66.00	
TA3	Amount of regular expenditure in sample for audit of operation	0.00		0.00	

3.3 Table 3: Information on the milestones and targets defined in the performance framework

Priority axis	Ind type	ID	Indicator	Measurement unit	Milestone for 2018 total	Final target (2023) total	2020	Observations
1	F	1.E	Total amount of eligible expenditure certified to EC for Priority Axis 1	EUR	27,778,878.00	191,207,223.00	59,622,531.00	31% of the final 2023 target value
1	I	1.A	Number of approved projects under Priority 1, focusing on the new or enhanced transnational clusters and innovation networks	Number of projects	5	9.00	35.00	B4H, BioBase4SME, IDEA, SHICC, UV-ROBOT, Codex4SMEs, VR4REHAB, COTEMACO, EYES, Machining 4.0, NWE MEA, NWE Chance, PASSION-HF, SuNSE, HappyMoo, OPIN, OIP4NWE, AGRIWASTEVALUE, MATMED, MiteControl, IMAGINE, COBRACOMP, Water Test Network, BSTART, OceanDEMO, CircTex, Certification-D, DigitalDeConstruction, ValuSect, THREE C, MegaAWE, BE-GOOD, STEPS, Enter To Transform, RIGHTWEIGHT
1	I	1.B	Number of approved projects under Priority 1, focusing on enterprises receiving support	Number of projects	14	27.00	38.00	B4H, BE-GOOD, BioBase4SME, QCAP, eMEN, BONE, SHICC, UV-ROBOT, Codex4SMEs, COTEMACO, Machining 4.0, NWE MEA, NWE-Chance, PASSION-HF, SuNSE, UNEET, EYES, HappyMoo, OPIN, OIP4NWE, AGRIWASTEVALUE, MATMED, MiteControl, BSTART, COBRACOMP, Water Test Network, OceanDEMO, BioWILL, Certification-D, CircTex, IT4Anxiety, THREE C, MegaAWE, Enter to Transform, CURCOL, ASPECT, RIGHTWEIGHT, STEPS
1	O	1.C	Number of new or enhanced transnational clusters or innovation networks	Number of networks/clusters	0	27.00	8.00	Total output indicator contributions for ongoing (not completed) operations: 8 (partially achieved values - B4H, BioBase4SME, IDEA, OIP4NWE, PASSION-HF, Water Test Network).
1	O	1.D	Number of enterprises receiving support	Number of enterprises	0	540.00	683.00	Total output indicator contributions for ongoing (not completed) operations: 683 (partially achieved output values - B4H, BE-GOOD, BioBase4SME, eMEN, QCAP, BONE, SHICC, UV-ROBOT, COTEMACO, NWE MEA, PASSION-HF, SUNSE, Water Test Network, Certification-D, CIRCTEX, IT4Anxiety, OceanDEMO). The high value for this indicator is due to several projects focusing on generic business support and hence involving many companies through generic type of support provided than initially anticipated (nevertheless aligned with the definition for CO01 provided by the European Commission and applied by the Programme). The Programme initially estimated 20 companies supported per project approved, some projects however provide support to more than 20 enterprises, which leads to high output values and an overachievement.
2	F	2.E	Total amount of eligible expenditure certified to EC for Priority Axis 2	EUR	31,146,063.00	297,616,177.00	97,637,489.00	33% of the 2023 target value
2	I	2.A	Number of approved projects under Priority 2, leading to solutions facilitating the delivery of existing or emerging low carbon, energy or climate protection strategies	Number of projects	3	6.00	11.00	ACE-Retrofitting, CAN, E=0, HeatNet NWE, ECCO, cVPP, CConnects, Care-Peat, ENERGE, MUSTBE0, RegEnergy
2	I	2.B	Number of approved projects under Priority 2, leading to enterprises co-operating with research institutions	Number of projects	11	21.00	24.00	UP STRAW, SMART-SPACE, RED WoLF, PowerVIBES, LOGiC, ITEG, Icare4Farms H4.0E, GROOF, Green WIN, GenComm,FORESEA, DGE-ROLLOUT, D2Grids, CleanMobilEnergy, AFLOWT, ST4W, river, HECTOR, H2SHIPS, H2SHARE, FCCP, eHUBS, CHIPS
2	O	2.C	Number of solutions facilitating the delivery of existing or emerging low carbon, energy or climate protection strategies	Number of solutions	0	18.00	22.00	Total output indicator contributions for ongoing (not completed) operations: 22 (partially achieved output values: CAN, E=0, ACE-Retrofitting, ECCO, MUSTBE0)
2	O	2.D	No. of enterprises co-operating with research institutions	Number of enterprises	0	420.00	282.00	Total output indicator contributions for ongoing (not completed) operations in SO3: 175 (partially achieved output values). FORESESA, GenComm, PowerVIBES, CleanMobilEnergy, ITEG, GreenWIN, RedWoLF. SO4 value equals 106, the achieved output values were reported by CHIPS, ST4W, eHUBS, FCCP, HECTOR, river.
3	F	3.C	Total amount of eligible expenditure certified to EC for Priority Axis 3	EUR	20,202,852.00	131,787,071.00	46,579,682.00	35% of the 2023 target value

Priority axis	Ind type	ID	Indicator	Measurement unit	Milestone for 2018 total	Final target (2023) total	2020	Observations
3	I	3.A	Number of projects approved under Priority 3	Number of projects	10	20.00	23.00	AFTB, Fibersort, Food Heroes, SeRaMCo, SURICATES, ALG-AD, ReNu2Farm, WOW!, FCRBE, CHARM, CEDaCI, URBCON, Di-Plast, FABulous Farmers, NWE-REGENERATIS, Phos4You, RAWFILL, RE-DIRECT, REAMIT, SHAREPAIR, TRANSFORM-CE, Smart Circular Bridge, Cirmap
3	O	3.B	Number of enterprises receiving support	No. of enterprises	0	400.00	433.00	Total contributions for ongoing (not completed) operations: 433 (partially achieved output values for AFTB, Food Heroes, Phos4You, RE-DIRECT, Fibersort, ReNu2Farm, SeRaMCo, RAWFILL, ALG-AD, REAMIT, Fabulous Farmers). In the programming phase, NWE envisaged 20 enterprises per project, exceeded by a few projects. RAWFILL involves enterprises in studies and provides them with a tool applied by them (high outreach and effective application). ReNu2Farm provides expert guidance in product categorisation, enterprises receive training in demonstrations, recycling-fertilizer producers benefits from market strategies developed. Phos4You involves enterprises in the development and operation of phosphorus recovery from wastewater. SeRaMCo helps companies develop innovative concrete and cement mixes. Food Heroes allows proof of concept and has a high outreach as well.

Priority axis	Ind type	ID	Indicator	Measurement unit	2019	2018	2017	2016	2015
1	F	1.E	Total amount of eligible expenditure certified to EC for Priority Axis 1	EUR	28,619,126.00	20,844,689.69	2,971,794.72	0.00	0.00
1	I	1.A	Number of approved projects under Priority 1, focusing on the new or enhanced transnational clusters and innovation networks	Number of projects	30.00	21.00	7.00	2.00	0.00
1	I	1.B	Number of approved projects under Priority 1, focusing on enterprises receiving support	Number of projects	32.00	24.00	9.00	5.00	0.00
1	O	1.C	Number of new or enhanced transnational clusters or innovation networks	Number of networks/clusters	8.00	3.00	0.00	0.00	0.00
1	O	1.D	Number of enterprises receiving support	Number of enterprises	562.00	472.00	0.00	0.00	0.00
2	F	2.E	Total amount of eligible expenditure certified to EC for Priority Axis 2	EUR	47,693,174.00	27,235,690.00	4,309,713.47	0.00	0.00
2	I	2.A	Number of approved projects under Priority 2, leading to solutions facilitating the delivery of existing or emerging low carbon, energy or climate protection strategies	Number of projects	11.00	8.00	6.00	4.00	0.00
2	I	2.B	Number of approved projects under Priority 2, leading to enterprises co-operating with research institutions	Number of projects	24.00	19.00	12.00	2.00	0.00
2	O	2.C	Number of solutions facilitating the delivery of existing or emerging low carbon, energy or climate protection strategies	Number of solutions	13.00	4.00	0.00	0.00	0.00
2	O	2.D	No. of enterprises co-operating with research institutions	Number of enterprises	136.00	47.00	0.00	0.00	0.00
3	F	3.C	Total amount of eligible expenditure certified to EC for Priority Axis 3	EUR	21,099,544.00	17,372,085.50	553,152.37	0.00	0.00
3	I	3.A	Number of projects approved under Priority 3	Number of projects	22.00	15.00	9.00	3.00	0.00
3	O	3.B	Number of enterprises receiving support	No. of enterprises	341.00	262.00	0.00	0.00	0.00

Priority axis	Ind type	ID	Indicator	Measurement unit	2014
1	F	1.E	Total amount of eligible expenditure certified to EC for Priority Axis 1	EUR	0.00
1	I	1.A	Number of approved projects under Priority 1, focusing on the new or enhanced transnational clusters and innovation networks	Number of projects	0.00
1	I	1.B	Number of approved projects under Priority 1, focusing on enterprises receiving support	Number of projects	0.00
1	O	1.C	Number of new or enhanced transnational clusters or innovation networks	Number of networks/clusters	0.00
1	O	1.D	Number of enterprises receiving support	Number of enterprises	0.00
2	F	2.E	Total amount of eligible expenditure certified to EC for Priority Axis 2	EUR	0.00
2	I	2.A	Number of approved projects under Priority 2, leading to solutions facilitating the delivery of existing or emerging low carbon, energy or climate protection strategies	Number of projects	0.00
2	I	2.B	Number of approved projects under Priority 2, leading to enterprises co-operating with research institutions	Number of projects	0.00
2	O	2.C	Number of solutions facilitating the delivery of existing or emerging low carbon, energy or climate protection strategies	Number of solutions	0.00
2	O	2.D	No. of enterprises co-operating with research institutions	Number of enterprises	0.00
3	F	3.C	Total amount of eligible expenditure certified to EC for Priority Axis 3	EUR	0.00
3	I	3.A	Number of projects approved under Priority 3	Number of projects	0.00
3	O	3.B	Number of enterprises receiving support	No. of enterprises	0.00

3.4. Financial data

Table 4: Financial information at priority axis and programme level

As set out in Table 1 of Annex II to Commission Implementing Regulation (EU) No 1011/2014 (Model for transmission of financial data) and table 16 of model for cooperation programmes under the European territorial cooperation goal

Priority axis	Fund	Calculation basis	Total funding	Co-financing rate	Total eligible cost of operations selected for support	Proportion of the total allocation covered with selected operations	Public eligible cost of operations selected for support	Total eligible expenditure declared by beneficiaries to the managing authority	Proportion of the total allocation covered by eligible expenditure declared by beneficiaries	Number of operations selected
1	ERDF	Total	191,207,223.00	60.00	218,527,918.50	114.29%	176,433,109.47	67,599,284.28	35.35%	44
2	ERDF	Total	297,616,177.00	60.00	303,062,701.24	101.83%	228,391,947.79	110,242,316.42	37.04%	35
3	ERDF	Total	131,787,071.00	60.00	137,645,285.11	104.45%	119,484,549.83	54,072,624.87	41.03%	23
4	ERDF	Total	27,962,424.00	85.00	27,962,423.98	100.00%	27,962,423.98	15,648,363.01	55.96%	10
Total	ERDF		648,572,895.00	61.08	687,198,328.83	105.96%	552,272,031.07	247,562,588.58	38.17%	112
Grand total			648,572,895.00	61.08	687,198,328.83	105.96%	552,272,031.07	247,562,588.58	38.17%	112

Where applicable, the use of any contribution from third countries participating in the cooperation programme should be provided (for example IPA and ENI, Norway, Switzerland)

Swiss organisations may participate in the NWE projects but are not entitled to ERDF funding. They may receive funding from the Swiss federal government to co-finance their share in the project budget and, in some cases, may need to provide their own funding to cover their entire share of the project budget.

The Swiss contribution to Technical Assistance equals 24,000 EUR for the course of the Programme duration. The entire amount was invoiced by the Programme and paid by Switzerland in December 2015. Since then, no additional funding has been received.

Table 5: Breakdown of the cumulative financial data by category of intervention

As set out in Table 2 of Annex II to Commission Implementing Regulation (EU) No 1011/2014 (Model for transmission of financial data) and tables 6-9 of Model for cooperation programmes

Priority axis	Fund	Intervention field	Form of finance	Territorial dimension	Territorial delivery mechanism	Thematic objective dimension	ESF secondary theme	Economic dimension	Location dimension	Total eligible cost of operations selected for support	Public eligible cost of operations selected for support	The total eligible expenditure declared by beneficiaries to the managing authority	Number of operations selected
1	ERDF	063	01	07	07	01		01	FR213	3,193,157.19	2,418,374.42	526,713.59	1
1	ERDF	063	01	07	07	01		07	DE737	5,666,950.00	4,635,190.00	520,549.20	1
1	ERDF	063	01	07	07	01		08	NL423	7,612,498.52	5,652,225.94	50,000.00	1
1	ERDF	063	01	07	07	01		11	UKM22	6,069,504.15	5,586,089.60	2,510,043.59	1
1	ERDF	063	01	07	07	01		13	NL423	4,991,202.10	4,274,027.39	510,309.44	1
1	ERDF	063	01	07	07	01		20	NL326	6,212,655.00	5,016,551.40	5,338,730.63	1
1	ERDF	063	01	07	07	01		20	NL412	5,000,045.96	4,339,585.74	3,922,909.61	1
1	ERDF	063	01	07	07	01		22	IE021	2,619,158.06	2,389,192.33	606,991.00	1
1	ERDF	063	01	07	07	01		22	UKM65	12,903,942.83	9,027,293.61	2,938,154.65	1
1	ERDF	064	01	07	07	01		01	BE213	2,921,652.58	2,116,081.61	1,480,630.09	1
1	ERDF	064	01	07	07	01		01	BE351	4,129,400.00	3,149,722.50	475,821.02	1
1	ERDF	064	01	07	07	01		01	IE022	3,780,800.42	3,259,431.72	50,000.00	1
1	ERDF	064	01	07	07	01		03	BE213	3,516,786.44	3,366,083.99	50,000.00	1
1	ERDF	064	01	07	07	01		03	BE222	3,964,105.34	3,817,048.16	1,209,091.31	1
1	ERDF	064	01	07	07	01		03	NL226	3,143,632.27	2,646,058.97	2,882,222.93	1
1	ERDF	064	01	07	07	01		04	FR301	3,589,384.67	2,542,268.30	285,263.35	1
1	ERDF	064	01	07	07	01		04	NL310	4,049,750.06	2,761,108.54	437,542.31	1
1	ERDF	064	01	07	07	01		05	NL213	2,799,899.61	2,547,736.92	0.00	1
1	ERDF	064	01	07	07	01		06	BE323	3,964,932.00	2,634,060.38	60,000.00	1
1	ERDF	064	01	07	07	01		06	NL414	13,924,961.48	11,024,422.28	1,840,960.37	1
1	ERDF	064	01	07	07	01		07	BE213	4,981,632.00	4,075,513.21	3,139,712.44	1
1	ERDF	064	01	07	07	01		07	BE242	5,007,530.76	3,702,612.85	1,466,115.92	1
1	ERDF	064	01	07	07	01		07	NL333	4,727,676.14	3,201,028.86	4,089,011.79	1
1	ERDF	064	01	07	07	01		07	NL411	2,660,730.41	2,380,350.79	50,000.00	1
1	ERDF	064	01	07	07	01		20	DE111	3,183,632.88	3,076,672.88	1,639,218.96	1
1	ERDF	064	01	07	07	01		20	NL211	3,346,302.30	2,299,366.23	1,147,490.05	1
1	ERDF	064	01	07	07	01		20	NL226	4,060,705.39	3,873,598.00	2,729,989.75	1
1	ERDF	064	01	07	07	01		20	NL423	10,751,468.19	9,034,015.60	3,564,889.34	2
1	ERDF	064	01	07	07	01		20	UKD31	3,028,587.41	2,475,376.52	1,038,510.72	1
1	ERDF	064	01	07	07	01		21	BE352	3,677,626.16	3,279,124.85	848,909.93	1
1	ERDF	064	01	07	07	01		22	IE013	12,338,690.94	7,126,477.11	50,000.00	1
1	ERDF	064	01	07	07	01		22	NL221	5,110,034.70	4,574,152.57	50,000.00	1
1	ERDF	064	01	07	07	01		24	BE234	5,825,753.92	5,172,251.64	4,909,733.84	1
1	ERDF	064	01	07	07	01		24	NL322	6,049,772.27	4,537,133.88	1,823,185.60	1
1	ERDF	112	01	07	07	01		01	BE213	2,718,550.70	2,481,129.30	1,105,773.84	1
1	ERDF	112	01	07	07	01		20	BE352	6,335,161.34	5,264,909.92	387,617.97	1
1	ERDF	112	01	07	07	01		20	DEA14	3,764,096.49	2,959,531.45	394,685.85	1
1	ERDF	112	01	07	07	01		21	DEA5C	4,327,312.04	3,985,592.16	1,999,098.62	1
1	ERDF	112	01	07	07	01		21	FR106	5,927,217.53	4,396,483.67	2,023,351.16	1
1	ERDF	112	01	07	07	01		21	FR301	3,769,419.84	2,884,770.33	2,314,983.56	1
1	ERDF	112	01	07	07	01		21	NL213	2,186,267.63	2,030,379.56	50,000.00	1
1	ERDF	112	01	07	07	01		21	UKM62	3,026,163.14	2,750,916.65	674,115.86	1
1	ERDF	112	01	07	07	01		24	NL332	7,669,167.64	7,669,167.64	6,406,955.99	1
2	ERDF	012	01	07	07	04		09	DEA14	18,747,123.46	13,520,574.10	3,051,844.30	1
2	ERDF	012	01	07	07	04		10	BE242	6,223,520.56	5,050,713.98	3,935,381.51	1
2	ERDF	012	01	07	07	04		10	DE712	11,080,463.82	8,807,842.16	2,252,831.74	1
2	ERDF	012	01	07	07	04		12	UKN01	9,386,249.87	7,089,624.98	6,182,823.58	1
2	ERDF	012	01	07	07	04		22	FR513	3,417,482.43	2,516,225.04	333,640.03	1
2	ERDF	012	01	07	07	04		22	NL414	2,352,674.90	1,794,683.78	1,399,363.12	1
2	ERDF	012	01	07	07	04		22	UKM65	53,466,213.46	33,624,726.47	15,280,142.64	3
2	ERDF	012	01	07	07	04		24	NL322	4,209,961.35	3,399,339.35	1,472,535.15	1
2	ERDF	012	01	07	07	07		11	UKM50	9,250,950.69	8,590,457.85	1,330,777.02	1

Priority axis	Fund	Intervention field	Form of finance	Territorial dimension	Territorial delivery mechanism	Thematic objective dimension	ESF secondary theme	Economic dimension	Location dimension	Total eligible cost of operations selected for support	Public eligible cost of operations selected for support	The total eligible expenditure declared by beneficiaries to the managing authority	Number of operations selected
2	ERDF	012	01	07	07	07		12	DE123	6,383,985.89	5,533,394.76	608,927.87	1
2	ERDF	013	01	07	07	04		10	NL423	19,395,637.54	16,614,703.21	1,894,421.59	1
2	ERDF	013	01	07	07	04		11	UKG13	2,454,783.00	2,454,783.00	962,511.47	1
2	ERDF	013	01	07	07	04		22	BE242	4,231,209.50	3,642,167.32	1,224,397.11	1
2	ERDF	013	01	07	07	04		22	BE255	5,783,016.65	5,320,383.52	1,670,477.01	1
2	ERDF	013	01	07	07	04		22	IE013	4,324,754.80	3,917,366.03	927,804.86	1
2	ERDF	013	01	07	07	04		22	LU000	4,939,261.68	3,937,155.99	2,114,872.19	1
2	ERDF	013	01	07	07	04		22	NL326	34,777,159.58	16,486,103.05	3,526,582.34	1
2	ERDF	013	01	07	07	04		22	NL332	9,002,049.19	6,168,569.42	8,573,738.89	1
2	ERDF	015	01	07	07	04		10	UKE42	6,111,893.40	4,732,521.95	654,752.28	1
2	ERDF	015	01	07	07	04		22	NL414	7,095,342.53	5,911,800.77	5,028,632.66	1
2	ERDF	023	01	07	07	04		01	NL226	4,503,431.68	4,503,431.68	1,190,205.73	1
2	ERDF	023	01	07	07	04		10	IE021	11,573,185.92	10,378,806.35	10,077,723.39	1
2	ERDF	023	01	07	07	04		22	DE712	7,884,001.07	7,884,001.07	7,827,215.55	1
2	ERDF	023	01	07	07	04		22	FR431	4,242,691.25	3,694,743.59	3,646,380.14	1
2	ERDF	023	01	07	07	04		22	NL226	7,207,812.42	6,367,746.36	4,244,889.12	1
2	ERDF	043	01	07	07	07		05	BE213	3,517,561.40	1,911,361.16	2,883,400.90	1
2	ERDF	043	01	07	07	07		05	NL326	8,857,586.58	7,552,755.76	2,504,752.14	1
2	ERDF	043	01	07	07	07		12	FR301	3,241,291.15	2,615,104.78	2,430,594.54	1
2	ERDF	043	01	07	07	07		22	BE242	4,482,509.86	3,904,224.06	4,225,427.87	1
2	ERDF	043	01	07	07	07		24	DEA23	8,388,028.50	6,508,421.16	2,715,842.38	1
2	ERDF	044	01	07	07	07		12	BE323	3,852,823.32	2,957,099.21	2,690,624.80	1
2	ERDF	065	01	07	07	04		08	FR246	6,392,600.33	5,818,031.10	2,634,270.00	1
2	ERDF	087	01	07	07	04		01	BE212	6,285,443.46	5,183,084.78	744,532.50	1
3	ERDF	019	01	07	07	06		06	UKI11	3,240,366.83	2,532,750.74	1,017,227.75	1
3	ERDF	019	01	07	07	06		08	BE100	4,375,434.12	3,629,725.17	1,717,527.49	1
3	ERDF	019	01	07	07	06		11	BE332	10,971,875.74	9,921,411.92	2,725,689.40	2
3	ERDF	019	01	07	07	06		11	DEA1A	4,249,668.60	3,556,894.91	1,180,809.48	1
3	ERDF	019	01	07	07	06		11	DEC01	3,763,468.10	3,191,420.37	2,503,574.61	1
3	ERDF	019	01	07	07	06		11	FR301	5,718,690.68	4,642,372.87	2,195,294.09	1
3	ERDF	019	01	07	07	06		14	UKH21	4,925,170.61	4,514,885.07	1,106,806.85	1
3	ERDF	069	01	07	07	06		01	BE242	6,581,901.62	5,400,470.17	1,022,006.14	1
3	ERDF	069	01	07	07	06		03	NL413	5,700,494.27	4,102,325.94	4,914,532.47	1
3	ERDF	069	01	07	07	06		04	NL326	3,381,994.18	1,984,676.71	3,191,490.98	1
3	ERDF	069	01	07	07	06		06	BE242	7,835,557.37	6,535,952.52	557,764.57	1
3	ERDF	069	01	07	07	06		07	UKD32	9,645,371.24	8,103,634.03	50,000.00	1
3	ERDF	069	01	07	07	06		08	BE234	5,202,446.44	4,958,100.44	1,157,314.66	1
3	ERDF	069	01	07	07	06		08	DEB32	7,276,838.96	6,487,386.15	5,127,310.26	1
3	ERDF	069	01	07	07	06		08	FR101	7,031,998.87	6,814,304.22	50,000.00	1
3	ERDF	069	01	07	07	06		08	NL333	6,940,716.04	5,704,428.20	1,693,185.37	1
3	ERDF	069	01	07	07	06		08	UKD72	4,806,211.72	4,806,211.72	4,738,509.02	1
3	ERDF	069	01	07	07	06		11	DEA52	11,103,994.44	10,789,997.03	6,559,179.38	1
3	ERDF	069	01	07	07	06		11	NL221	6,479,130.76	5,542,863.95	3,378,104.24	1
3	ERDF	069	01	07	07	06		11	UKL18	6,183,239.32	5,931,835.61	3,343,174.03	1
3	ERDF	069	01	07	07	06		22	DE731	5,374,700.00	4,725,640.00	5,793,124.08	1
3	ERDF	069	01	07	07	06		22	NL414	6,856,015.20	5,607,262.09	50,000.00	1
4	ERDF	121	01	07	07			24	BE1	69,549.95	69,549.95	16,625.21	1
4	ERDF	121	01	07	07			24	BE2	372,085.87	372,085.87	222,076.72	1
4	ERDF	121	01	07	07			24	BE3	263,364.16	263,364.16	198,028.34	1
4	ERDF	121	01	07	07			24	DE	876,000.00	876,000.00	360,252.02	1
4	ERDF	121	01	07	07			24	FR	22,743,615.00	22,743,615.00	13,094,615.18	1
4	ERDF	121	01	07	07			24	FR3	800,000.00	800,000.00	372,720.57	1
4	ERDF	121	01	07	07			24	IE	335,000.00	335,000.00	230,238.96	1
4	ERDF	121	01	07	07			24	LU000	377,261.00	377,261.00	196,487.93	1
4	ERDF	121	01	07	07			24	NL	661,673.00	661,673.00	408,167.11	1
4	ERDF	121	01	07	07			24	UK	1,463,875.00	1,463,875.00	549,150.97	1

Table 6: Cumulative cost of all or part of an operation implemented outside the Union part of the programme area

1. Operation (2)	2. The amount of ERDF support(1) envisaged to be used for all or part of an operation implemented outside the Union part of the programme area based on selected operations	3. Share of the total financial allocation to all or part of an operation located outside the Union part of the programme area (%) (column 2/total amount allocated to the support from the ERDF at programme level *100)	4. Eligible expenditure of ERDF support incurred in all or part of an operation implemented outside the Union part of the programme area declared by the beneficiary to the managing authority	5. Share of the total financial allocation to all or part of an operation located outside the Union part of the programme area (%) (column 4/total amount allocated to the support from the ERDF at programme level *100)
AFLOWT	180,142.46	0.05%	55,197.65	0.01%
AFTB	595,663.69	0.15%	595,663.69	0.15%
ASPECT	204,848.74	0.05%	204,848.74	0.05%
B4H	447,525.13	0.11%	321,482.58	0.08%
CIRCTEX	859,856.18	0.22%	111,845.53	0.03%
COBRACOMP	491,521.25	0.12%	14,924.22	0.00%
CODEX4SMEs	314,278.05	0.08%	226,950.70	0.06%
FCCP	203,697.96	0.05%	68,357.15	0.02%
GROOF	120,142.86	0.03%	63,425.30	0.02%
HECTOR	664,569.00	0.17%	0.00	
HI-ECOWIRE	412,877.44	0.10%	0.00	
ITEG	67,066.95	0.02%	0.00	
MITECONTROL	427,548.34	0.11%	180,026.72	0.05%
MUSTBE0	855,651.07	0.22%	179,877.41	0.05%
OCEAN DEMO	106,176.45	0.03%	4,062.20	0.00%
POWERVIBES	56,632.17	0.01%	27,494.25	0.01%
QCAP	151,949.53	0.04%	131,283.65	0.03%
RIGHTWEIGHT	184,678.93	0.05%	0.00	
SHICC	30,000.00	0.01%	0.00	
UP STRAW	463,526.95	0.12%	130,883.12	0.03%
WATER TEST NETWORK	783,132.00	0.20%	263,960.95	0.07%
eMEN	200,460.00	0.05%	97,307.54	0.02%

(1) ERDF support is the Commission decision on the respective cooperation programme.

(2) In accordance with and subject to ceilings set out Article 20 of Regulation (EU) No 1299/2013.

4. SYNTHESIS OF THE EVALUATIONS

Even though no evaluations as such were carried out for the 2014-2020 Programme in 2020, NWE authorities launched an analysis defining strengths, weaknesses, opportunities and threats (SWOT) for the territory. Even though this voluminous analysis was performed mainly for the purpose of definition of niches and recommendations for the post 2020 period, it certainly put the current programme in a new perspective, bringing new data and information into the current NWE context.

The attached SWOT report presents the territorial and stakeholder analysis of the NWE cooperation area for the preparation of the Interreg NWE Programme 2021-2027. In line with the proposed legislative framework, the analysis covered the five Policy Objectives (PO) and the more detailed Specific Objectives (SO) outlined in the regulations proposed for Interreg Programmes 2021-2027 (COM(2018) 372 final, 2018; COM(2018) 374 final, 2018). It identifies the needs and challenges for the future Programme.

Two of the three Policy Objectives identified as with a high potential and MC relevance for the post 2020 period have a substantial coverage with all the three Priorities of the current 2014-2020 Programme. Those are Policy Objective 2 ("A greener, carbon free Europe), considered as of the greatest focus in the post 2020 period preparations, with a significant overlap with the current Priority 2 and 3 (and consequently SO2, SO3, SO4 and SO5) as well as the Policy Objective 1 ("A smarter Europe) when compared to the current Priority 1 (SO1).

As for the Policy Objective 2 ("A greener, carbon free Europe"), the territorial analysis report highlighted that cooperation potentials, in view of value added and in complementarity with other EU Programmes, and niches for transnational cooperation existed mainly for the Specific Objectives focusing on water efficiency (SO 2.5) and circular economy (SO 2.6). For the energy related objectives (SO 2.1 to SO 2.3) and climate change adaptation (2.4) niches were also identified, however perhaps better placed under digitisation and innovation (if a horizontal understanding of innovation is applied in the new programme).

- SO 2.1 "Energy efficiency measures". The SWOT report underlined that many regions in NWE needed to strengthen their efforts in increasing energy efficiency measures, particularly in existing building stock and through strategies to decoupling of economic growth and energy consumption.
- SO 2.2 "Renewable energy". Conclusions of the report mention that there is a need for various soft measures supporting further renewable energy sources (RES) deployment in NWE. This ranges from planning challenges to administrative implementation, from community engagement to developing alternative business models for transition regions. Different governance settings in the NWE cooperation area should be carefully considered to find the best ways to unlock the NWE cooperation area potential. Deployment of the RES energy potential requires simultaneous improvements in energy systems and networks (SO 2.3).
- SO 2.3 "Smart energy systems, grids and storage at local level". The need for more flexibility of energy supply and demand through better distribution and transmission exists across the NWE cooperation area was highlighted. This regards both, investments in distribution and transmission capacities and new technologies for smart energy systems and energy and carbon

storage. It was also noted that investment volumes required action under programmes other than those related to transnational cooperation. However innovation activities, which may be fostered by transnational projects were welcome as well as the development and testing of local solutions.

- SO 2.4 "Climate change adaptation, risk prevention and disaster resilience". The analysis mentioned two common challenges existing widely in the NWE cooperation area, namely heat stress in urban regions and proneness to floods due to rising sea levels and extreme weather events. The latter are linked to the functional links of several river catchment areas.
- SO 2.5 "Water efficiency". The report highlighted the need to improve the ecological and chemical status of both surface and groundwater bodies due to waste discharge from various economic activities. There is also a need for better wastewater treatment, which is why solutions and strategies to improve water quality need to consider the various combinations and volumes of waste discharge.
- SO 2.6 "Circular economy". Within the already existing approaches towards a circular economy (CE), there is need to reduce waste generation, improve waste recycling rates and circular material use. This may make use of already existing experience to further test and disseminate them creating spill-over effects.
- SO 2.7 Green infrastructure in the urban environment and reducing pollution. In NWE existing green infrastructure needs to be maintained and connectivity between protected areas improved to enhance their functional links. A particular focus may be put on urban areas and FUEs.

As far as the Policy Objective 1, "A smarter Europe", is concerned, the assessment of cooperation potentials, in view of value added and in complementarity with other EU Programmes, revealed that in PO 1 niches for transnational cooperation existed mainly for the specific objectives on digitisation (SO 1.2) and skills (SO 1.4). For innovation (SO 1.1), the niches were mainly identified in the application of horizontal understanding of innovation.

- SO 1.1 "Research and innovation capacities and the uptake of advanced technologies". To overcome territorial disparities, the need to enhance research and innovation capacity relates mostly to rural regions. R&D and Innovation activities are typically not linked to certain territories and may thus be better suited under other EU programmes such as Horizon Europe. However, if considered as horizontal topic with a stronger territorial dimension, SO 1.1 has various niches across themes of all POs.
- SO 1.2 "Benefits of digitisation for citizens, companies and governments". The analysis demonstrates a need to diffuse and apply technologies from frontrunners to other areas, in particular rural areas and balance out regional innovation performance across the area. These needs create cooperation potential for new technology development, digitisation of public service provision and ICT deployment by SMEs. To avoid overlaps with other programmes addressing digitisation the territorial focus should be central and could seek synergies with other EU programmes.
- SO 1.4 "Skills for smart specialisation, industrial transition and entrepreneurship". While the Research and Innovation Strategies for Smart Specialisation (RIS3) cover the entire NWE

cooperation area, improved knowledge about existing links and commonalities is needed to scale up innovation capacity. Industrial transition in the area means there is a need for skills development, especially in regions with high shares of the respective industries. The similarity of transition process challenges creates cooperation potential especially among these regions. Enhancing skills in view of these challenges may also be supported under mainstream European Social Fund (ESF) and European Regional Development Fund (ERDF) programmes and the proposed Just Transition Fund. Scaling up individual approaches across the NWE cooperation area and addressing regional and local development challenges rather than general skills development may offer specific niches and comparative advantages of the Interreg NWE programme.

Last but not least, the analysis also revealed a potential for Policy Objective 4, "A more social Europe", currently covered by one Type of Action in the SO1 of the 2014-2020 period ("social innovation). The assessment of cooperation potential, in view of value added and in complementarity with other EU Programmes, showed that in PO 4 niches for transnational cooperation existed mainly for the Specific Objectives relating to health care accessibility (Interreg SO 4.3) and health care systems (Interreg SO 4.4). This assessment was, inter alia, induced by impacts of the COVID-19 pandemic.

- Interreg SO 4.4 "Improving accessibility, effectiveness and resilience of healthcare systems and long-term care services across borders". COVID-19 has illustrated the lack of resilience of healthcare systems across borders as well as the interdependencies between countries. Transnational cooperation may support coordination of national healthcare policies to be better prepared for emergencies and help develop more resilient healthcare systems.
- Interreg SO 4.5 "Promoting social inclusion and tackling poverty across borders". Needs to overcome social exclusion remain mainly in larger urban areas. They come with different national and regional challenges such as housing, in-work poverty etc. This calls for better territorial governance of different sector policies. While there are niches for territorial cooperation, many of these measures do not have a transnational perspective. They may not be easy to transfer to other regions in the NWE cooperation area but require individual local activity which may be better provided by other programmes.

Name	Fund	From month	From year	To month	To year	Type of evaluation	Thematic objective	Topic	Findings
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5. ISSUES AFFECTING THE PERFORMANCE OF THE PROGRAMME AND MEASURES TAKEN

(a) Issues which affect the performance of the programme and the measures taken

The COVID crisis

- The Covid-19 pandemic had and will continue having an impact on project implementation, in particular on projects with investments, pilots or/and test sites. Delays in implementation, directly linked to the pandemic, were noticeable in almost all projects in 2020.
- The Programme took a two-fold approach to support the partners of funded projects to help them face the Covid-related difficulties. First of all, NWE granted time extensions to all projects that requested it (62 out of 102 running projects). The time extensions varied from 6 to 12 months in average. In addition, 6 projects received additional ERDF, in the total amount of EUR 871,494, strictly for the Covid-19 related reasons.
- In order to prevent solvency or cashflow issues of the funded partner organisations, JS, MA and CA accelerated the processing of the project claims in 2020.
- Last but not least, the Programme authorities discussed the two regulations adopted by the EU to respond to the pandemic crisis (the Coronavirus Response Investment Initiative (CRII) - Regulation 2020/460 - in force since 1 April 2020 and the Coronavirus Response Investment Initiative Plus (CRII+) Regulation 2020/558 – approved on 23 April 2020. In line with Article 2 of CRII+, the Programme decided to support projects with an undertaking in difficulty within the temporary state aid framework, but only if the difficulty was related to the COVID-19 crisis.
- Covid-19 has not had any impact on the project output indicator delivery so far. This is a very positive development. The project delivery has been delayed in many cases though (and the relevant project modifications processed by the JS). However, the project target values for their indicator contributions remain unchanged.
- Despite the pandemics, NWE projects continued to deliver tangible results and those with a strong impact on the ground, gaining visibility at EU level. This is also particularly visible in the great success and attractiveness of the second call for capitalisation which attracted 38 projects and of which 25 applications were approved to increase the impact of initially envisaged results even further.

General risk management

- The Programme authorities continue to use the project scorecard as a tool to assess the risk of individual projects funded by the Programme, on the basis of a methodology agreed by the Monitoring Committee in May 2017. The scorecard covers all projects approved and implemented by the Programme and is updated regularly on the basis of progress reports submitted by individual projects as well as the the quality appraisals of projects carried out separately by the JS. In addition, the scorecard includes information from the project application forms that can be considered as risky to implementation.

- In 2020, beyond the overall delays linked to the Covid-19 pandemic, most projects were considered risk low. Projects with a high or medium risk level were followed closely by the JS. The UP-STRAW project continued to be high risk, mainly due to major investment and output delays, modifications to the overall output quantity as well as the low level of Total Eligible Cost paid to the partnership when compared to the targets.
- Several projects fell into the medium risk group. AFLOWT had suffered from investment and output delivery delays, claim submission delays as well as the project slowly drifting away from its context with results potentially questioned. BSTART qualified to the medium risk group due to the project structure (high number of partners, including private partners), delayed financial claim submissions and the overall usefulness for the project target groups. Last but not least, COTEMACO scored high due the project structure (mainly the share of external expertise in TEC), output delivery delays, but also concerns about the general project usefulness for the target groups and alignment with its context.
- Several projects previously considered as medium risk wise successfully lowered their score and are now risk low (PowerVIBES catching up with investment delays, similarly to ITEG, RIVER and HeatNet).

Brexit

- The United Kingdom left the European Union on 31 January 2020, with a transition period set to end on 31 December 2020. On the basis of the articles 7, 135, 136, 137 and 138 of the withdrawal agreement that are considered as relevant for the management of Structural Funds in general and therefore the NWE Programme in particular, the projects with UK partners (including UK Lead partners) will continue as originally planned to the end of the current Programme. They will carry on in delivery of activities and submission of claims to the JS (expenditure is eligible until 31st December 2023) and are also eligible to apply for further funding (e.g. in the framework of the capitalisation calls) as part of the current programming period.

Programme Monitoring

- Programme monitoring was, similarly to previous years of NWE implementation, a default item on the Monitoring Committee agenda in 2020. The monitoring covers both financial and thematic management and its outcomes are presented at each MC to ensure that the updates for the Committee members are regular.

(b) OPTIONAL FOR LIGHT REPORTS, otherwise it will be included in point 9.1. An assessment of whether progress made towards targets is sufficient to ensure their fulfilment, indicating any remedial actions taken or planned, where appropriate.

Despite the Covid pandemic and the general global crisis, the NWE project pipeline remains solid, effective and highly relevant to the intervention logic of each SO.

1. The private sector, including social enterprises, is the main target group of the SO. It is a requirement for all projects funded under SO1 to contribute to the obligatory indicator CO01 (number of enterprises receiving support) or 1.01 (number of networks created or enhanced). This leads to a direct contribution to the challenges of the SO (enhance innovation performance in NWE by boosting knowledge flows, SME innovation capabilities and social inclusion) as well as the result (increased SME innovation levels) and RI of the SO (degree of SME involvement in collaboration with other institutions). Projects funded under this SO provide support for 2,786 businesses, directly and tangibly (with 683 of them having already received support) as end-users.

2. The focus of Priority 2 is threefold. It addresses energy security and supply and vulnerability to climate change developments:

- SO 2, implementing low carbon, energy or climate protection strategies, with the result ‘Increased capacity of public authorities (...) to implement low carbon measures effectively’ and the RI ‘Effectiveness of NWE public organizations to implement low-carbon strategies’. Public organizations are the main target group.
- SO 3, removing the barriers to adoption of and improved conditions for low carbon technology use. Status of conditions for low-carbon technology deployment in NWE is the RI and enterprises, including SMEs, are the main target group.
- SO 4, improving conception and coordination of low carbon transport and mobility solutions, measured with the ‘Status of competence of the transport sector in using low-carbon transport solutions’. Again, transport companies (service, logistic operators, etc.) are the target group.

Involvement of the key SO target groups, directly as project partners and indirectly as end-users, is essential. Similarly to the SO1, it is a requirement for all projects funded under SO3 and SO4 to contribute to the indicator CO26 (number of enterprises co-operating with research institutions) or 2.01 (number of solutions facilitating the delivery of existing or emerging low-carbon, energy or climate-protection strategies), creating links to the result and RI of the SO. Within SO3 and SO4 295 companies are targeted in cooperation schemes with R&D organisations (281 already reported by end 2020) and 79 low-carbon solutions envisaged (and 22 delivered by end 2020).

3. Resource intensive sectors are the main target group of Priority 3, SO5. Their involvement is key to the success of the SO and visible in all of the approved and running projects. The private actors from these sectors are engaged both directly as project partners and indirectly as project end-users. Their engagement is also highlighted by the obligatory output indicator for all SO5 projects, the “number of enterprises receiving support”. By end 2020, the SO5 projects have targeted 1,145 enterprises, with 433 of them having already received the envisaged support. The objective of the Priority 3 SO5 is to optimize (re)use of material and natural resources. It addresses resource and materials efficiency and will result in the accelerated transition to

a circular economy by enabling eco-innovation in the resource intensive industry. The result indicator measures the status of competences in the resource intensive sectors.

6. CITIZEN'S SUMMARY (ARTICLE 50(9) OF REGULATION (EU) NO 1303/2013)

A citizen's summary of the contents of the annual and the final implementation reports shall be made public and uploaded as a separate file in the form of annex to the annual and the final implementation report

You can upload/find the Citizen's summary under General > Documents

7. REPORT ON THE IMPLEMENTATION OF FINANCIAL INSTRUMENTS (ARTICLE 46 OF REGULATION (EU) No 1303/2013)

8. PROGRESS IN PREPARATION AND IMPLEMENTATION OF MAJOR PROJECTS AND JOINT ACTION PLANS (ARTICLE 101(H) AND ARTICLE 111(3) OF REGULATION (EU) No 1303/2013 AND ARTICLE 14(3)(B) OF REGULATION (EU) No 1299/2013)

8.1. Major projects

Table 7: Major projects

Project	CCI	Status of MP	Total investments	Total eligible costs	Planned notification/submission date	Date of tacit agreement/ approval by Commission	Planned start of implementation	Planned completion date	Priority Axis/ Investment priorities	Current state of realisation — financial progress (% of expenditure certified to Commission compared to total eligible cost)	Current state of realisation — physical progress Main implementation stage of the project	Main outputs	Date of signature of first works contract (1)	Observations
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(1) In the case of operations implemented under PPP structures the signing of the PPP contract between the public body and the private sector body (Article 102(3) of Regulation (EU) No 1303/2013).

Significant problems encountered in implementing major projects and measures taken to overcome them

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Any change planned in the list of major projects in the cooperation programme

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8.2. Joint action plans

Progress in the implementation of different stages of joint action plans

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Table 8: Joint action plans (JAP)

Title of the JAP	CCI	Stage of implementation of JAP	Total eligible costs	Total public support	OP contribution to JAP	Priority axis	Type of JAP	[Planned] submission to the Commission	[Planned] start of implementation	[Planned] completion	Main outputs and results	Total eligible expenditure certified to the Commission	Observations
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Significant problems encountered and measures taken to overcome them

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9. ASSESSMENT OF THE IMPLEMENTATION OF THE COOPERATION PROGRAMME (ARTICLE 50(4) OF REGULATION (EU) NO 1303/2013 AND ARTICLE 14(4) OF REGULATION (EU) NO 1299/2013)

9.1 Information in Part A and achieving the objectives of the programme (Article 50(4) of Regulation (EU) No 1303/2013)

Priority axis	1 - INNOVATION
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Priority axis	2 - LOW CARBON
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Priority axis	3 - RESOURCE AND MATERIALS EFFICIENCY
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Priority axis	4 - TECHNICAL ASSISTANCE
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9.2. Specific actions taken to promote equality between men and women and to promote non-discrimination, in particular accessibility for persons with disabilities, and the arrangements implemented to ensure the integration of the gender perspective in the cooperation programme and operations (Article 50(4) of Regulation (EU) No 1303/2013 and Article 14(4), subparagraph 2, (d) of Regulation (EU) No 1299/2013)

An assessment of the implementation of specific actions to take into account the principles set out in Article 7 of Regulation (EU) No 1303/2013 on promotion of equality between men and women and non-discrimination, including, where relevant, depending on the content and objectives of the cooperation programme, an overview of specific actions taken to promote equality between men and women and to promote non-discrimination, including accessibility for persons with disabilities, and the arrangements implemented to ensure the integration of the gender perspective in the cooperation programme and operations

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9.3.Sustainable development (Article 50(4) of Regulation (EU) No 1303/2013 and Article 14(4), subparagraph 2, (e) of Regulation (EU) No 1299/2013)

An assessment of the implementation of actions to take into account the principles set out in Article 8 of Regulation (EU) No 1303/2013 on sustainable development, including, where relevant, depending on the content and objectives of the cooperation programme, an overview of the actions taken to promote sustainable development in accordance with that Article

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9.4. Reporting on support used for climate change objectives (Article 50(4) of Regulation (EU) No 1303/2013)

Calculated amount of support to be used for climate change objectives based on the cumulative financial data by category of intervention in Table 7

Priority axis	Amount of support to be used for climate change objectives (EUR)	Proportion of total allocation to the operational programme (%)
2	170,195,292.26	95.31%
3	24,096,146.32	30.47%
Total	194,291,438.58	49.05%

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9.5 Role of partners in the implementation of the cooperation programme (Article 50(4) of Regulation (EU) No 1303/2013 and Article 14(4), subparagraph 1, (c) of Regulation (EU) No 1299/2013)

Assessment of the implementation of actions to take into account the role of partners referred to in Article 5 of Regulation (EU) No 1303/2013, including involvement of the partners in the implementation, monitoring and evaluation of the cooperation programme

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10. OBLIGATORY INFORMATION AND ASSESSMENT ACCORDING TO ARTICLE 14(4), SUBPARAGRAPH 1 (A) AND (B), OF REGULATION (EU) No 1299/2013

10.1 Progress in implementation of the evaluation plan and the follow-up given to the findings of evaluations

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Status	Name	Fund	Year of finalizing evaluation	Type of evaluation	Thematic objective	Topic	Findings (in case of execution)	Follow up (in case of execution)
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10.2 The results of the information and publicity measures of the Funds carried out under the communication strategy

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11. ADDITIONAL INFORMATION WHICH MAY BE ADDED DEPENDING ON THE CONTENT AND OBJECTIVES OF THE COOPERATION PROGRAMME (ARTICLE 14(4), SUBPARAGRAPH 2 (A), (B), (C) AND (F), OF REGULATION (EU) No 1299/2013)

11.1. Progress in the implementation of the integrated approach to territorial development, including integrated territorial investments, sustainable urban development, and community led local development under the cooperation programme

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11.2 Progress in implementation of actions to reinforce the capacity of authorities and beneficiaries to administer and to use the ERDF

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11.3 Contribution to macro-regional and sea basin strategies (where appropriate)

As stipulated by the Regulation (EU) No 1299/2013, recital 19, article 8(3)(d) on the "Content, adoption and amendment of cooperation programmes" and article 14(4) 2nd subparagraph (c) "Implementation reports", this programme contributes to MRS(s) and/or SBS:

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- EU Strategy for the Baltic Sea Region (EUSBSR)
- EU Strategy for the Danube Region (EUSDR)
- EU Strategy for the Adriatic and Ionian Region (EUSAIR)
- EU Strategy for the Alpine Region (EUSALP)
- Atlantic Sea Basin Strategy (ATLSBS)

11.4 Progress in the implementation of actions in the field of social innovation

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13. SMART, SUSTAINABLE AND INCLUSIVE GROWTH

Information and assessment of the programme contribution to achieving the Union strategy for smart, sustainable and inclusive growth.

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**14. ISSUES AFFECTING THE PERFORMANCE OF THE PROGRAMME AND MEASURES TAKEN
— PERFORMANCE FRAMEWORK (ARTICLE 50(2) OF REGULATION (EU) No 1303/2013)**

Where the assessment of progress made with regard to the milestones and targets set out in the performance framework demonstrates that certain milestones and targets have not been achieved, Member States should outline the underlying reasons for failure to achieve these milestones in the report of 2019 (for milestones) and in the final implementation report (for targets).

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DOCUMENTS

Document title	Document type	Document date	Local reference	Commission reference	Files	Sent date	Sent By
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LATEST VALIDATION RESULTS

Severity	Code	Message
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