

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

IDENTIFICATION OF THE ANNUAL IMPLEMENTATION REPORT

CCI	2014TC16RFTN006
Title	North West Europe
Version	2021.0
Date of approval of the report by the monitoring committee	

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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.

The year 2021 was an intensive one for the NWE Programme Authorities. In parallel to the advanced implementation phase of the 2014-2020 projects and support they required, significant efforts were simultaneously put into the finalization of the new programme and its submission to the European Commission.

As far as the implementation of the 2014-2020 programme is concerned, the year 2021 was particularly demanding. The Programme Authorities put considerable work to assist the implemented projects continue their activities in the difficult context in the world related to the ongoing Covid-19 pandemic. The approach to date, mainly focusing on the time extensions granted to projects to ensure delivery of their outputs and results and consequently the Programme Specific Objectives, continued to be applied, bearing in mind that all projects need to be finalized by 31st December 2023 (including the administrative project closure). Without extra time granted to projects, the activities of the vast majority of NWE projects would have been questioned and results limited. Moreover, the Programme authorities granted additional ERDF funding to projects that have requested it in order to continue their activities. In addition to the block ERDF extensions that already took place in 2020, in 2021 5 NWE projects benefitted from extra funding and received the total of 925,183 EUR ERDF on top of their initial grants. The requests were duly justified and mainly related to readjustments of activities to the Covid-19 reality, manufacturing delays, rescheduled testing, stalled supply chains, difficulties to access demonstration sites, businesses reluctant to invest in new products (i.e. in recycled plastic products) or focusing more on the survival on the market, general conservative approach towards investments due to the COVID-19 crisis, etc.

Over the course of its implementation and by end 2020, the Programme allocated EUR 376,059,777 ERDF to 102 projects in 9 regular and 1 targeted call for renewable energy, including an overcommitment of EUR 3.7 million ERDF. As the MC16 (June 2019) approved the possibility for NWE to have an overcommitment of EUR 30 million ERDF in total, in 2020 the second capitalisation (CAP) call was launched with a maximum budget of 26 million from the remaining financial envelope and finalised in 2021.

Even though the Programme Monitoring Committee initially agreed that the second call for capitalisation would only be open for projects approved in calls 5 to 9 and the targeted call related to renewable energy, the scope was extended due to the feedback from the first capitalisation call. Many projects from calls 1 to 4 did not feel ready to apply in the first CAP call and hence submitted applications in the second call. Therefore, MC18 took a decision to open the second call for capitalisation to all approved projects except the ones that had been successful in the first CAP call. In practice, this led to 92 out of 102 approved projects being eligible for submission (excluding also the two projects that closed prematurely, LOGIC and UNEET).

It must be reminded that 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.

The second CAP call was finalised in 2021. From the 92 eligible projects mentioned above, 39 projects applied for additional funding, which resulted in 27 approvals (8 in Priority 1, 10 in Priority 2 and 9 in Priority 3).

In 2021 the Programme Monitoring Committee met twice (MC21 held online on 24th March 2021 and MC22 on 25th October 2021). In addition to the capitalization call, the Committee discussions revolved around the regular Programme monitoring items. These included project implementation and monitoring, evaluation of the NWE communication, TA workplan and budget as well as audit. In particular, the evaluation of the NWE communication was an interesting element; It aimed at providing an overview of the impact of the communication strategy implemented in the years 2014-2020 in relation to the programme objectives. It explored and presented the perceptions which stakeholders had of the programme throughout all phases of the project lifecycle (from call announcement to project implementation and capitalization). The outcome and recommendations of the evaluation have been used as a basis to design the communication objectives and strategy for the post 2020 period, notably in the framework of the programming activities carried out by the NWE Task Force.

By end 2021, 11 projects approved in the initial calls of the Programme had been officially closed, with further 2 pending administrative closure. Moreover, also by end 2021 all 13 closing projects had undergone the final quality appraisals delivered jointly by the JS and the Contact Points. The appraisals, in particular the final ones are important in the project monitoring process as they breach the gap between the regular monitoring related to processing of progress reports received from projects and the programme impact evaluation (scheduled for second half of 2022) as they provide valuable qualitative information.

In the communication domain, the NWE programme organized two online networking events on 20th May 2021 and 22nd June 2021. In an innovative and interactive online format, the events were unique opportunities to learn about the impact of the funded projects, network with stakeholders and find out more about the future of the programme. The events gathered 380 and 340 participants respectively.

Furthermore, the NWE projects continued to be recognized at the cohesion policy level. Similarly to the year 2021, a funded project was a finalist of the RegioStars Awards, the competition organized by the European Commission and a label of excellence for EU-funded projects. RegEnergy project was recognized in the GREEN Europe category (Green and resilient communities in urban and rural setting) as one of the 5 finalists out of a record-high 214 applications.

Last but not least, the NWE programme teamed up with Interact and its Interreg transnational counterparts to produce a series of stories throughout the year 2021 published on Interreg.eu and Politico.eu portals. The initiative aimed at showcasing the active role of the Interreg transnational programmes and their projects in implementing the EU Green Deal agenda, whilst building sustainable economies post-Covid 19.

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 2021 led to 8 approved capitalisation applications for the total extra ERDF 6,783,389 EUR allocated. These projects included additional capitalisation activities for projects: Codex4SMEs, IDEA, MATMED, MITECONTROL, NWE MEA, PASSION HF, VALUSECT and VR4REHAB.</p> <p>As a highlight of 2021, 4 of these capitalisation applications were related specifically to Covid-19 (CODEX4SMEs, PASSION-HF and VR4REHAB also MATMED).</p> <ul style="list-style-type: none"> • Codex4SMEs provides diagnostic services and related support to SMEs working in personalised medicine. It helps deliver the best medication and treatments to patients, leading also to cost reductions in healthcare via “companion diagnostics”. The capitalization activities focus on providing support for SMEs working specifically in the field of COVID19 diagnostics. • PASSION-HF aims to develop an eHealth application which can provide patient advice and help manage health conditions. The capitalisation initiative builds on the project eHealth tool DoctorMe, used in health care in rural NWE areas. • VR4REHAB was initially focused on the application of Virtual Reality (VR) in healthcare, specifically in the field of rehabilitation. The capitalization initiative objective is to create new businesses in the NWE region through the intersection between VR technologies and the demand from healthcare organisations to treat COVID-19 patients in their rehabilitation (especially long-term effects). • The MATMED project targets the sector of advanced materials for regenerative medicine and medical devices in contact with the human body. The capitalisation initiative focuses on addressing COVID-19 challenges and includes a set of activities supporting clinicians and setting up Demand Driven Open Innovation Challenges.
2	LOW CARBON	<p>As a highlight of 2021, 10 of the 15 applying projects got their capitalisation activities approved for the total of 12,788,433 EUR ERDF. The approved portfolio included CAN, CARE-PEAT, CCONNECTS, D2GRIDS, eHUBS, GENCOMM, GROOF, MUSTBE0, RedWoLF, ST4W. In particular, the projects of SO3 deserve to be highlighted:</p> <ul style="list-style-type: none"> • D2GRIDS - the capitalization initiative links the 5th Generation District Heating and Cooling pilots directly to solar energy sources thereby coupling a locally generated solar energy at 3 pilot sites, boosting the roll out of potential of 5GDHC to accelerate the energy transition. • GENCOMM - the partnership aims to expand the existing project tools to be used for proactive planning of green hydrogen based public transport. In general, the project aims to maximise the use of green hydrogen as an energy vector. • GROOF demonstrated the benefits of integrating greenhouses on rooftops of existing or new buildings for a better energy efficiency in NWE. The capitalisation initiative helps reach out to new territories in NWE and new stakeholders to widen the scope of the project and facilitate additional greenhouses integrated in existing or new buildings.

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
		<ul style="list-style-type: none"> RedWOLF aims at adapting the Hybrid Storage System (HSS), developed and implemented in the initial project for individual social housing, to be employed in two buildings used for education purposes.
3	RESOURCE MATERIALS EFFICIENCY AND	<p>In 2021 9 Priority 3 projects applied for additional activities in the capitalisation call. 7 of them were approved for the equivalent of additional 6,019,931 EUR ERDF allocated to projects CEDACI, Fabulous Farmers, FCRBE, REDIRECT, RENU2FARM, SURICATES and WOW!. In particular, 3 projects should be highlighted:</p> <ul style="list-style-type: none"> WOW! 's original project application targeted 3 main materials from wastewater: cellulose, PHA and lipids. The project aimed to optimize the extraction and recovery techniques in three pilots, of which the retrieved elements are acetic acid, active biochar, bio-oil (cellulose), bioplastic (PHA) and biofuel (lipids). The capitalisation initiative seeks to take two of the products, PHA and activated carbon derived from cellulose, and move them further towards market readiness. FCRBE aims to facilitate the reuse of building materials to create a more circular construction industry, using a three-factor approach: a new labelling scheme to increase the reuse sector's visibility, a method to audit the reuse potential of a building before demolition and methods to encourage the uptake of reused materials in new construction projects. Its capitalisation initiative adds new complementary methodologies and new stakeholders, to encourage wider project uptake. The SURICATES project works to address the problem of sediment reuse in NWE. The project develops methods to treat this sediment using new dehydration techniques and reuse it in erosion and flood protection systems in the areas from which it has been removed. It will adapt the initial project's methods to the needs and context of smaller communities than in the initial workplan, transfer and apply them to those (outside of larger ports like the Port of Rotterdam).
4	TECHNICAL ASSISTANCE	<p>In this reporting period, the JS continued to monitor project implementation. As a usual part of activities and in addition to processing the CAP call applications, the project Unit processed two rounds of progress reports and payment claims submitted by beneficiaries as well as the project final appraisals before closure. The Unit also continued to perform mid-term and final project appraisals and processed Capitalisation Call applications.</p> <p>The JS Programme and Support Unit focused on Programme monitoring and management. It should be noted that preparations for the new programming period were a major part of the Unit operations on 2021, including not only the finalisation of the thematic text of the new programme, but also the procedures to be put in place (Programme Manual) and the monitoring system for the new programme. Even though the system is being put in place by Interact (JEMS system - Joint Electronic Monitoring System), NWE plays a major role in the preparations and extensive user testing and feedback provision.</p> <p>The Communication Unit ensured the Programme visibility in external events, resulting in one project being a finalist of the RegioStars Awards, updates of the Programme website, extensive social media coverage and provision of communication guidance to projects.</p> <p>The CP network activities focused mainly on the support for projects applying for capitalisation extensions and assistance in project implementation, accompanying the JS. The network, similarly to the JS, continued to be involved in the preparation of the new programme and participated in the NTF meetings and several working groups developing focused content for the NTF.</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

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	2021	Observations
F	CO01	Productive investment: Number of enterprises receiving support	Enterprises	540.00	1,752.00	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	2,914.00	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	397.00	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	493.00	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	669.00	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	801.00	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	216.00	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	731.00	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	49.00	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	81.00	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	175.00	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	491.00	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	35.00	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	2021	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	643.00	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	637.00	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	599.00	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	2,469,000.00	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	52,732,000.00	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	27,143.00	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	55,480.00	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	2020	2019	2018	2017	2016	2015	2014
F	CO01	Productive investment: Number of enterprises receiving support	683.00	562.00	472.00	0.00	0.00	0.00	0.00
S	CO01	Productive investment: Number of enterprises receiving support	2,786.00	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	252.00	198.00	131.00	0.00	0.00	0.00	0.00
S	CO26	Research, Innovation: Number of enterprises cooperating with research institutions	464.00	403.00	319.00	214.00	11.00	0.00	0.00
F	CO28	Research, Innovation: Number of enterprises supported to introduce new to the market products	546.00	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	795.00	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	176.00	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	725.00	655.00	552.00	90.00	9.00	0.00	0.00
F	1.01	Number of new or enhanced transnational clusters or innovation networks	8.00	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	71.00	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	73.00	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	463.00	392.00	238.00	79.00	47.00	0.00	0.00
F	1.03	Number of pilot actions implemented, focusing on social innovation	6.00	0.00	0.00	0.00	0.00	0.00	0.00
S	1.03	Number of pilot actions implemented, focusing on social innovation	207.00	203.00	180.00	41.00	29.00	0.00	0.00
F	1.04	Number of jobs created in all economic sectors	551.00	243.00	133.00	0.00	0.00	0.00	0.00
S	1.04	Number of jobs created in all economic sectors	599.00	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	5.00	1.00	0.00	0.00	0.00	0.00
S	1.05	Number of jobs maintained in all economic sectors	1,448.00	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	0.00
S	1.06	Amount of funding leveraged by the project (in €)	45,732,000.00	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	172.00	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	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	2021 Total	2021 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	2020 Total	2020 Qualitative	2019 Total	2019 Qualitative	2018 Total	2018 Qualitative	2017 Total	2017 Qualitative
R1	Degree of SME involvement in collaboration with other institutions (including R&D)	15.00		15.00		15.00		15.00	

ID	Indicator	2016 Total	2016 Qualitative	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		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

(I)	ID	Indicator	Measurement unit	Target value	2021	Observations
F	CO31	Energy efficiency: Number of households with improved energy consumption classification	Households	450.00	7,444.00	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	7,679.00	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	23,328.40	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	766,955.00	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	114,450.00	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	50.00	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	97.00	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	11.00	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	21.00	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	90.50	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	35.90	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	125.00	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	96,844,415.00	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	67,450,000.00	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.

(I)	ID	Indicator	2020	2019	2018	2017	2016	2015	2014
F	CO31	Energy efficiency: Number of households with improved energy consumption classification	7,414.00	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	7,639.00	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	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	23,124.00	624.40	0.00	0.00	0.00	0.00
F	CO34	GHG reduction: Estimated annual decrease of GHG	14,415.13	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	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	22.00	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	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	0.00
S	2.02	Number of combined mitigation-relevant adaptation solutions implemented	17.00	17.00	8.00	0.00	0.00	0.00	0.00
F	2.03	Number of jobs created in all economic sectors	49.00	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	48.00	13.00	13.00	0.00	0.00

(1)	ID	Indicator	2020	2019	2018	2017	2016	2015	2014
F	2.04	Number of jobs maintained in all economic sectors	20.00	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	55.00	20.00	20.00	0.00	0.00
F	2.05	Amount of funding leveraged by the project	17,694,515.00	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	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	2021 Total	2021 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	2020 Total	2020 Qualitative	2019 Total	2019 Qualitative	2018 Total	2018 Qualitative	2017 Total	2017 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	2016 Total	2016 Qualitative	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		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

(1)	ID	Indicator	Measurement unit	Target value	2021	Observations
F	CO26	Research, Innovation: Number of enterprises cooperating with research institutions	Enterprises	220.00	269.00	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	304.00	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	196.00	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	140.00	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	3.01	Total output indicator contributions for ongoing (not completed) operations: 1.94
S	CO30	Renewables: Additional capacity of renewable energy production	MW	120.00	31.55	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	1,865.20	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	13,957.79	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	53.00	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	86.00	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	200.00	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	1,061.00	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	74,234.00	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	82,020.00	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.

(1)	ID	Indicator	2020	2019	2018	2017	2016	2015	2014
F	CO26	Research, Innovation: Number of enterprises cooperating with research institutions	175.00	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	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	77.00	47.00	13.00	0.00	0.00	0.00	0.00

(1)	ID	Indicator	2020	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	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	0.00
S	CO29	Research, Innovation: Number of enterprises supported to introduce new to the firm products	50.00	50.00	10.00	10.00	0.00	0.00	0.00
F	CO30	Renewables: Additional capacity of renewable energy production	1.94	1.87	0.25	0.00	0.00	0.00	0.00
S	CO30	Renewables: Additional capacity of renewable energy production	28.60	28.60	28.60	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	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	0.00
F	CO34	GHG reduction: Estimated annual decrease of GHG	1,856.00	275.00	25.00	0.00	0.00	0.00	0.00
S	CO34	GHG reduction: Estimated annual decrease of GHG	12,924.79	12,924.79	12,599.79	7,750.00	0.00	0.00	0.00
F	3.01	Number of adopted or applied low carbon technologies	46.00	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	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	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	227.00	207.00	0.00	0.00	0.00
F	3.03	Number of jobs maintained in all economic sectors	561.00	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	560.00	0.00	0.00	0.00
F	3.04	Amount of funding leveraged by the project	74,234,000.00	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	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	2021 Total	2021 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	2020 Total	2020 Qualitative	2019 Total	2019 Qualitative	2018 Total	2018 Qualitative	2017 Total	2017 Qualitative
R3	Status of conditions for low carbon technology deployment in NWE	60.00		60.00		60.00		60.00	

ID	Indicator	2016 Total	2016 Qualitative	2015 Total	2015 Qualitative	2014 Total	2014 Qualitative
R3	Status of conditions for low carbon technology deployment in NWE	60.00		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	2021	Observations
F	CO26	Research, Innovation: Number of enterprises cooperating with research institutions	Enterprises	200.00	124.00	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	123.00	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	10.00	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	37.00	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: 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	50.00	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	5,098.32	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	2,316.00	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	26.00	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	25.00	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	4.00	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	7.00	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	13.00	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	200,000.00	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	59,700.00	Total output indicator contributions for ongoing (not completed) operations: eHUBS, H2SHIPS, CHIPS

(1)	ID	Indicator	2020	2019	2018	2017	2016	2015	2014
F	CO26	Research, Innovation: Number of enterprises cooperating with research institutions		106.00	81.00	28.00	0.00	0.00	0.00
S	CO26	Research, Innovation: Number of enterprises cooperating with research institutions		117.00	117.00	97.00	92.00	40.00	0.00
F	CO28	Research, Innovation: Number of enterprises supported to introduce new to the market products		6.00	6.00	2.00	0.00	0.00	0.00
S	CO28	Research, Innovation: Number of enterprises supported to introduce new to the market products		36.00	36.00	6.00	4.00	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	2020	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	0.00
F	CO34	GHG reduction: Estimated annual decrease of GHG	5,023.00	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	2,199.60	109.60	109.60	9.60	0.00	0.00
F	4.01	Number of implemented low carbon solutions in transport	17.00	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	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	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	6.00	5.00	0.00	0.00	0.00
F	4.03	Number of transport operators supported implementing low carbon solutions	11.00	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	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	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	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	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	0.00
F	4.06	Amount of funding leveraged by the project	200,000,000.00	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	54,702,090.00	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	2021 Total	2021 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	2020 Total	2020 Qualitative	2019 Total	2019 Qualitative	2018 Total	2018 Qualitative	2017 Total	2017 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	2016 Total	2016 Qualitative	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		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	2021	Observations
F	CO01	Productive investment: Number of enterprises receiving support	Enterprises	200.00	916.00	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	1,451.00	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	94.00	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	187.00	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	95.00	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	110.00	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	103.00	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	53.00	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	106.00	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	126.00	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	93.00	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	106.00	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	246,087.00	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	263,204.00	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	328,186.75	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	2021	Observations
S	5.05	Amount of increased material recovery, re-use and recycling	Tonnes	1,000,000.00	337,443.02	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	50.50	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	88.00	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	27.50	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	100.00	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	2020	2019	2018	2017	2016	2015	2014
F	CO01	Productive investment: Number of enterprises receiving support	433.00	186.00	107.00	0.00	0.00	0.00	0.00
S	CO01	Productive investment: Number of enterprises receiving support	1,145.00	1,131.00	633.00	410.00	36.00	0.00	0.00
F	CO26	Research, Innovation: Number of enterprises cooperating with research institutions	56.00	41.00	24.00	0.00	0.00	0.00	0.00
S	CO26	Research, Innovation: Number of enterprises cooperating with research institutions	148.00	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	67.00	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	109.00	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	93.00	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	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	56.00	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	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	56.00	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	101.00	99.00	95.00	78.00	11.00	0.00	0.00
F	5.03	Amount of funding leveraged by the project	5,000,000.00	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	2,000,000.00	0.00	0.00
F	5.04	Amount of decreased raw material use	220,742.00	428.00	250.00	0.00	0.00	0.00	0.00
S	5.04	Amount of decreased raw material use	220,813.00	220,813.00	220,813.00	220,813.00	30,000.00	0.00	0.00
F	5.05	Amount of increased material recovery, re-use and recycling	314,643.00	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	314,643.00	314,643.00	314,643.00	314,643.00	14,000.00	0.00	0.00
F	5.06	Number of jobs created in all economic sectors	43.00	23.00	12.00	0.00	0.00	0.00	0.00
S	5.06	Number of jobs created in all economic sectors	85.00	78.00	78.00	73.00	65.00	0.00	0.00
F	5.07	Number of jobs maintained in all economic sectors	27.50	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	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	2021 Total	2021 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	2020 Total	2020 Qualitative	2019 Total	2019 Qualitative	2018 Total	2018 Qualitative	2017 Total	2017 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	2016 Total	2016 Qualitative	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		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	2021	Observations
F	6.01	Number of Transnational Cooperation projects approved	Number		0.00	0 new projects approved in 2021 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		0.00	0 new projects approved in 2021 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		21,986.00	21,986 visits per month in average in 2021 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		21,986.00	21,986 visits per month in average in 2021 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		2.00	2021 2 MCs: 24 March 2021 and 25 October 2021 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		2.00	2021 2 MCs: 24 March 2021 and 25 October 2021 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		6.70	2021: 6.7 weeks; 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		6.70	2021: 6.7 weeks; 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		1.00	2021 value 1: PowerVIBES 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		1.00	2021 value: 1: PowerVIBES 2020 value: 0 2019 value 4: CLASH, InclusiveFieldLabs, SmartCircularBridge, EcopPan 2018 value 1: Homes4All (21/06/2018);

(1)	ID	Indicator	Measurement unit	Target value	2021	Observations
						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		1.00	2021: Communication evaluation 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		1.00	2021: Communication evaluation 2020: SWOT analysis 2018: Implementation evaluation; 2017: Territorial cohesion indicators (report); 2016: Evaluation of the two-step approach (report) ;
F	6.08	Number of employees whose salaries are co-financed by Technical Assistance	Number		32.00	2021: 21 employees of the JS and 11 Contact Points 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	2021: 21 employees of the JS and 11 Contact Points 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		21.00	Staff turn-over for the JS and Contact Points
S	6.09	Staff turn-over	Percentage		21.00	Staff turn-over for the JS and Contact Points

(1)	ID	Indicator	2020	2019	2018	2017	2016	2015	2014
F	6.01	Number of Transnational Cooperation projects approved	102.00	95.00	70.00	40.00	17.00	0.00	0.00
S	6.01	Number of Transnational Cooperation projects approved	102.00	95.00	70.00	40.00	17.00	0.00	0.00
F	6.03	Average number of visits to the Programme website	21,642.00	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	21,642.00	11,479.00	9,275.00	7,814.00	6,590.00	0.00	0.00
F	6.04	Number of Monitoring Committee meetings	20.00	17.00	13.00	8.00	5.00	2.00	0.00
S	6.04	Number of Monitoring Committee meetings	20.00	17.00	13.00	8.00	5.00	2.00	0.00
F	6.05	Duration of reimbursement of expenditure to final beneficiaries	6.10	7.83	8.17	8.40	8.10	0.00	0.00
S	6.05	Duration of reimbursement of expenditure to final beneficiaries	6.10	7.83	8.17	8.40	8.10	0.00	0.00
F	6.06	Number of appeals to calls for proposals	0.00	4.00	1.00	1.00	2.00	0.00	0.00
S	6.06	Number of appeals to calls for proposals	0.00	4.00	1.00	1.00	2.00	0.00	0.00
F	6.07	Number of evaluations, studies, surveys, experts, reports	4.00	3.00	3.00	2.00	1.00	0.00	0.00
S	6.07	Number of evaluations, studies, surveys, experts, reports	4.00	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	32.00	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	32.00	35.00	34.00	35.00	35.00	22.88	20.08
F	6.09	Staff turn-over	12.00	24.00	25.00	18.00	20.00	13.90	0.00
S	6.09	Staff turn-over	12.00	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	2021 Total	2021 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	15.00		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	78.00		Figure from the communication evaluation done in 2020
TA3	Amount of regular expenditure in sample for audit of operation	Percentage	0.00	2013	98.00	99.39		

ID	Indicator	2020 Total	2020 Qualitative	2019 Total	2019 Qualitative	2018 Total	2018 Qualitative	2017 Total	2017 Qualitative
TA1	Share (%) of all supported operations that are implemented successfully, demonstrated by the achievement of planned objectives	8.00		3.00		0.00		0.00	
TA2	Percentage of satisfaction of supporting beneficiaries in the implementation and communication of their projects	78.00		66.00		66.00		66.00	
TA3	Amount of regular expenditure in sample for audit of operation	99.84		99.90		99.95		0.00	

ID	Indicator	2016 Total	2016 Qualitative	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		0.00	
TA2	Percentage of satisfaction of supporting beneficiaries in the implementation and communication of their projects	66.00		66.00		66.00	
TA3	Amount of regular expenditure in sample for audit of operation	0.00		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	2021	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	102,376,213.00	54% 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	36.00	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	39.00	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, HI-ECOWIRE, OPIN, OIP4NWE, AGRIWASTEVALUE, MATMED, MiteControl, BSTART, COBRACOMP, Water Test Network, OceanDEMO, BioWILL, Certification-D, CircTex, IT4Anxiety, MegaAWE, Enter to Transform, CURCOL, ASPECT, RIGHTWEIGHT, STEPS, VR4REHAB
1	O	1.C	Number of new or enhanced transnational clusters or innovation networks	Number of networks/clusters	0	27.00	49.00	Total output indicator contributions for ongoing (not completed) operations: 49 (partially achieved values - B4H, BioBase4SME, IDEA, OIP4NWE, PASSION-HF, Water Test Network, CircTex, Codex4SMEs, COTEMACO, HappyMoo, MegaAwe, Machining 4.0, MiteControl, OPIN, SHICC, STEPS, SuNSE, THREE C, UV-ROBOT).
1	O	1.D	Number of enterprises receiving support	Number of enterprises	0	540.00	1,752.00	Total output indicator contributions for ongoing (not completed) operations: 1,752 (partially achieved output values - ASPECT, B4H, BE-GOOD, BioBase4SME, eMEN, HappyMoo, HI-ECOWIRE, QCAP, BONE, SHICC, UV-ROBOT, COTEMACO, NWE MEA, PASSION-HF, SUNSE, Water Test Network, Certification-D, CIRCTEX, Codex4SMEs, IT4Anxiety, Machining 4.0, MATMED, MiteControl, OceanDEMO, OIP4NWE, OPIN). 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 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	147,548,263.31	50% 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	H4.OE, GROOF, Green WIN, GenComm,FORESEA, DGE-ROLLOUT, D2Grids, CleanMobilEnergy, AFLOWT, ST4W, river, HECTOR, H2SHIPS, H2SHARE, FCCP, eHUBS, CHIPS, iCare4FARMS, iTEG, LOGIC, UP STRAW, SMART-SPACE, RED WoLF, PowerVIBES,
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	50.00	Total output indicator contributions for ongoing (not completed) operations: 50 (partially achieved output values: CAN, E=0, ACE-Retrofitting, ECCO, MUSTBE0, CarePeat, CCONNECTS, cVPP, ENERGE, HeatNet NWE, RegEnergy)
2	O	2.D	No. of enterprises co-operating with research institutions	Number of enterprises	0	420.00	393.00	Total output indicator contributions for ongoing (not completed) operations in SO3: 269 (partially achieved output values): FORESESA, GenComm, PowerVIBES, CleanMobilEnergy, ITEG, GreenWIN, RedWoLF, DGE-Rollout, GROOF, H4.OE,

Priority axis	Ind type	ID	Indicator	Measurement unit	Milestone for 2018 total	Final target (2023) total	2021	Observations
								SMART-SPACE, UP STRAW. SO4 value equals 124, the achieved output values were reported by CHIPS, ST4W, eHUBS, FCCP, HECTOR, river, H2SHARE, H2SHIPS.
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	72,932,575.17	55% of the 2023 target value
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	916.00	Total contributions for ongoing (not completed) operations: 916 (partially achieved output values for AFTB, CEDaCI, Food Heroes, Phos4You, RE-DIRECT, Fibersort, ReNu2Farm, SeRaMCo, RAWFILL, ALG-AD, REAMIT, Fabulous Farmers, FCRBE, SHAREPAIR, WOW!). In the programming phase, NWE envisaged 20 enterprises per project, exceeded by a few projects. For instance, 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.

Priority axis	Ind type	ID	Indicator	Measurement unit	2020	2019	2018	2017	2016
1	F	1.E	Total amount of eligible expenditure certified to EC for Priority Axis 1	EUR	59,622,531.00	28,619,126.00	20,844,689.69	2,971,794.72	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	35.00	30.00	21.00	7.00	2.00
1	I	1.B	Number of approved projects under Priority 1, focusing on enterprises receiving support	Number of projects	38.00	32.00	24.00	9.00	5.00
1	O	1.C	Number of new or enhanced transnational clusters or innovation networks	Number of networks/clusters	8.00	8.00	3.00	0.00	0.00
1	O	1.D	Number of enterprises receiving support	Number of enterprises	683.00	562.00	472.00	0.00	0.00
2	F	2.E	Total amount of eligible expenditure certified to EC for Priority Axis 2	EUR	97,637,489.00	47,693,174.00	27,235,690.00	4,309,713.47	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	11.00	8.00	6.00	4.00
2	I	2.B	Number of approved projects under Priority 2, leading to enterprises co-operating with research institutions	Number of projects	24.00	24.00	19.00	12.00	2.00
2	O	2.C	Number of solutions facilitating the delivery of existing or emerging low carbon, energy or climate protection strategies	Number of solutions	22.00	13.00	4.00	0.00	0.00
2	O	2.D	No. of enterprises co-operating with research institutions	Number of enterprises	282.00	136.00	47.00	0.00	0.00
3	F	3.C	Total amount of eligible expenditure certified to EC for Priority Axis 3	EUR	46,579,682.00	21,099,544.00	17,372,085.50	553,152.37	0.00
3	I	3.A	Number of projects approved under Priority 3	Number of projects	23.00	22.00	15.00	9.00	3.00
3	O	3.B	Number of enterprises receiving support	No. of enterprises	433.00	341.00	262.00	0.00	0.00

Priority axis	Ind type	ID	Indicator	Measurement unit	2015	2014
1	F	1.E	Total amount of eligible expenditure certified to EC for Priority Axis 1	EUR	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	0.00	0.00
1	I	1.B	Number of approved projects under Priority 1, focusing on enterprises receiving support	Number of projects	0.00	0.00
1	O	1.C	Number of new or enhanced transnational clusters or innovation networks	Number of networks/clusters	0.00	0.00
1	O	1.D	Number of enterprises receiving support	Number of enterprises	0.00	0.00
2	F	2.E	Total amount of eligible expenditure certified to EC for Priority Axis 2	EUR	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	0.00	0.00

Priority axis	Ind type	ID	Indicator	Measurement unit	2015	2014
2	I	2.B	Number of approved projects under Priority 2, leading to enterprises co-operating with research institutions	Number of projects	0.00	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	0.00	0.00
2	O	2.D	No. of enterprises co-operating with research institutions	Number of enterprises	0.00	0.00
3	F	3.C	Total amount of eligible expenditure certified to EC for Priority Axis 3	EUR	0.00	0.00
3	I	3.A	Number of projects approved under Priority 3	Number of projects	0.00	0.00
3	O	3.B	Number of enterprises receiving support	No. of enterprises	0.00	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	230,121,283.33	120.35%	186,404,881.54	108,982,806.28	57.00%	44
2	ERDF	Total	297,616,177.00	60.00	327,956,653.27	110.19%	245,723,367.13	165,567,166.37	55.63%	35
3	ERDF	Total	131,787,071.00	60.00	145,156,869.82	110.15%	126,549,218.14	75,325,919.34	57.16%	23
4	ERDF	Total	27,962,424.00	85.00	27,962,423.98	100.00%	27,962,423.98	18,691,342.42	66.84%	10
Total	ERDF		648,572,895.00	61.08	731,197,230.40	112.74%	586,639,890.79	368,567,234.41	56.83%	112
Grand total			648,572,895.00	61.08	731,197,230.40	112.74%	586,639,890.79	368,567,234.41	56.83%	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	5,666,950.00	4,635,190.00	2,116,667.78	1
1	ERDF	063	01	07	07	01		07	DE737	7,612,498.52	5,652,225.94	1,077,804.94	1
1	ERDF	063	01	07	07	01		08	NL423	6,069,504.15	5,586,089.60	3,662,530.22	1
1	ERDF	063	01	07	07	01		11	UKM22	2,386,056.72	2,135,390.73	962,926.79	1
1	ERDF	063	01	07	07	01		13	NL423	6,212,655.00	5,038,850.07	5,806,984.19	1
1	ERDF	063	01	07	07	01		20	NL326	4,991,202.08	4,123,793.33	1,459,072.29	1
1	ERDF	063	01	07	07	01		20	NL412	12,903,942.83	8,674,093.81	6,355,267.03	1
1	ERDF	063	01	07	07	01		22	IE021	3,193,157.19	2,418,374.42	1,226,834.66	1
1	ERDF	063	01	07	07	01		22	UKM65	5,000,045.96	4,339,585.74	4,101,048.90	1
1	ERDF	064	01	07	07	01		01	BE213	3,143,632.27	2,646,058.97	3,182,410.60	1
1	ERDF	064	01	07	07	01		01	BE351	3,780,800.42	3,259,431.72	234,133.40	1
1	ERDF	064	01	07	07	01		01	IE022	5,825,753.92	5,172,251.64	4,909,733.84	1
1	ERDF	064	01	07	07	01		03	BE213	5,007,530.76	3,691,132.85	2,956,518.38	1
1	ERDF	064	01	07	07	01		03	BE222	3,346,302.30	2,299,366.23	1,866,550.07	1
1	ERDF	064	01	07	07	01		03	NL226	3,406,300.77	3,041,120.93	2,068,096.38	1
1	ERDF	064	01	07	07	01		04	FR301	12,338,690.94	7,126,477.11	2,264,285.13	1
1	ERDF	064	01	07	07	01		04	NL310	2,660,730.41	2,467,710.21	610,999.01	1
1	ERDF	064	01	07	07	01		05	NL213	5,110,034.70	4,574,152.57	969,403.38	1
1	ERDF	064	01	07	07	01		06	BE323	2,799,899.61	2,547,736.92	502,368.54	1
1	ERDF	064	01	07	07	01		06	NL414	2,921,621.18	2,116,062.77	1,790,417.76	1
1	ERDF	064	01	07	07	01		07	BE213	7,373,658.13	6,242,809.19	4,477,314.25	1
1	ERDF	064	01	07	07	01		07	BE242	13,924,961.48	11,024,422.28	6,846,584.45	1
1	ERDF	064	01	07	07	01		07	NL333	6,052,568.71	5,698,194.98	4,214,866.28	1
1	ERDF	064	01	07	07	01		07	NL411	4,314,264.53	4,021,154.53	2,517,145.66	1
1	ERDF	064	01	07	07	01		20	DE111	3,589,384.65	2,586,694.89	984,355.06	1
1	ERDF	064	01	07	07	01		20	NL211	4,727,676.13	3,194,628.85	4,382,364.91	1
1	ERDF	064	01	07	07	01		20	NL226	3,964,932.00	2,609,855.85	527,969.76	1
1	ERDF	064	01	07	07	01		20	NL423	11,229,563.63	9,171,800.10	4,133,966.31	2
1	ERDF	064	01	07	07	01		20	UKD31	10,248,842.40	8,754,308.34	3,614,819.23	1
1	ERDF	064	01	07	07	01		21	BE352	4,049,724.87	2,761,092.76	1,285,788.18	1
1	ERDF	064	01	07	07	01		22	IE013	4,129,400.00	3,139,822.12	1,577,499.74	1
1	ERDF	064	01	07	07	01		22	NL221	3,677,626.16	3,279,124.84	1,552,896.16	1
1	ERDF	064	01	07	07	01		24	BE234	3,579,527.83	2,943,763.43	1,889,984.54	1
1	ERDF	064	01	07	07	01		24	NL322	3,964,105.34	3,817,048.16	2,253,979.66	1
1	ERDF	112	01	07	07	01		01	BE213	2,186,267.63	2,030,379.56	246,785.90	1
1	ERDF	112	01	07	07	01		20	BE352	3,764,096.49	2,959,531.45	1,375,783.41	1
1	ERDF	112	01	07	07	01		20	DEA14	5,927,217.53	4,396,483.67	2,023,351.16	1
1	ERDF	112	01	07	07	01		21	DEA5C	4,824,751.04	4,479,031.16	2,656,708.83	1
1	ERDF	112	01	07	07	01		21	FR106	3,417,651.52	3,092,144.34	1,434,787.65	1
1	ERDF	112	01	07	07	01		21	FR301	3,769,419.84	2,884,770.33	3,390,150.85	1
1	ERDF	112	01	07	07	01		21	NL213	3,026,163.02	2,750,916.53	1,292,095.59	1
1	ERDF	112	01	07	07	01		21	UKM62	7,669,167.64	7,669,167.64	7,300,662.47	1
1	ERDF	112	01	07	07	01		24	NL332	6,333,003.03	5,352,640.98	878,892.94	1
2	ERDF	012	01	07	07	04		09	DEA14	4,209,961.35	3,399,339.35	1,472,535.15	1
2	ERDF	012	01	07	07	04		10	BE242	3,417,482.43	2,516,225.04	1,134,775.37	1
2	ERDF	012	01	07	07	04		10	DE712	10,453,877.78	7,524,634.37	10,484,000.25	1
2	ERDF	012	01	07	07	04		12	UKN01	6,383,985.89	5,582,070.76	2,073,320.32	1
2	ERDF	012	01	07	07	04		22	FR513	11,080,463.82	8,807,842.16	7,065,085.08	1
2	ERDF	012	01	07	07	04		22	NL414	28,351,063.76	14,778,530.11	3,015,628.93	1
2	ERDF	012	01	07	07	04		22	UKM65	32,885,925.23	24,300,990.51	18,521,367.98	3
2	ERDF	012	01	07	07	04		24	NL322	6,223,520.55	5,050,713.97	5,245,157.77	1
2	ERDF	012	01	07	07	07		11	UKM50	9,250,950.69	8,590,457.85	2,690,952.83	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	11,797,078.44	6,963,127.99	8,443,838.53	1
2	ERDF	013	01	07	07	04		10	NL423	9,002,049.19	6,168,569.42	8,824,929.38	1
2	ERDF	013	01	07	07	04		11	UKG13	4,324,754.80	3,917,366.03	1,715,976.54	1
2	ERDF	013	01	07	07	04		22	BE242	24,018,658.24	19,798,490.03	6,814,395.17	1
2	ERDF	013	01	07	07	04		22	BE255	5,717,368.19	5,264,750.66	3,159,251.79	1
2	ERDF	013	01	07	07	04		22	IE013	43,167,333.60	21,828,603.23	6,053,949.45	1
2	ERDF	013	01	07	07	04		22	LU000	5,927,926.50	4,755,506.69	2,921,649.29	1
2	ERDF	013	01	07	07	04		22	NL326	4,231,209.50	3,641,833.96	1,847,542.27	1
2	ERDF	013	01	07	07	04		22	NL332	2,605,674.65	2,605,674.65	1,648,577.47	1
2	ERDF	015	01	07	07	04		10	UKE42	7,396,138.39	6,244,148.99	1,966,662.69	1
2	ERDF	015	01	07	07	04		22	NL414	7,095,342.53	5,911,800.77	6,308,157.36	1
2	ERDF	023	01	07	07	04		01	NL226	4,242,691.25	3,694,743.59	4,453,431.69	1
2	ERDF	023	01	07	07	04		10	IE021	11,573,185.92	10,378,806.35	11,572,403.48	1
2	ERDF	023	01	07	07	04		22	DE712	9,401,815.22	9,275,215.22	7,827,215.55	1
2	ERDF	023	01	07	07	04		22	FR431	7,207,812.42	6,211,236.27	5,137,065.75	1
2	ERDF	023	01	07	07	04		22	NL226	5,414,425.63	5,376,825.63	2,347,598.45	1
2	ERDF	043	01	07	07	07		05	BE213	3,524,618.94	2,825,984.57	3,226,842.08	1
2	ERDF	043	01	07	07	07		05	NL326	4,482,509.86	3,904,224.06	4,225,427.87	1
2	ERDF	043	01	07	07	07		12	FR301	8,858,282.20	7,021,313.64	4,639,609.01	1
2	ERDF	043	01	07	07	07		22	BE242	3,661,302.44	2,018,302.22	3,532,772.62	1
2	ERDF	043	01	07	07	07		24	DEA23	12,376,933.19	10,873,273.84	4,818,300.05	1
2	ERDF	044	01	07	07	07		12	BE323	5,594,661.07	4,261,463.20	3,407,958.98	1
2	ERDF	065	01	07	07	04		08	FR246	7,050,600.00	6,426,121.28	4,966,649.67	1
2	ERDF	087	01	07	07	04		01	BE212	7,027,049.60	5,805,180.72	4,004,137.55	1
3	ERDF	019	01	07	07	06		06	UKI11	4,925,170.61	4,514,885.07	2,205,156.23	1
3	ERDF	019	01	07	07	06		08	BE100	7,105,917.20	6,199,002.57	1,149,093.08	1
3	ERDF	019	01	07	07	06		11	BE332	8,352,217.50	7,298,670.61	4,812,905.14	2
3	ERDF	019	01	07	07	06		11	DEA1A	8,014,394.04	6,766,768.95	3,844,684.15	1
3	ERDF	019	01	07	07	06		11	DEC01	4,891,952.36	4,081,689.09	3,260,562.54	1
3	ERDF	019	01	07	07	06		11	FR301	4,359,245.26	3,663,231.57	2,202,868.51	1
3	ERDF	019	01	07	07	06		14	UKH21	6,141,691.60	5,190,561.89	3,247,239.67	1
3	ERDF	069	01	07	07	06		01	BE242	4,806,211.72	4,806,211.72	4,738,509.02	1
3	ERDF	069	01	07	07	06		03	NL413	3,381,994.18	1,984,676.71	3,191,490.98	1
3	ERDF	069	01	07	07	06		04	NL326	7,031,998.87	6,814,304.22	225,259.94	1
3	ERDF	069	01	07	07	06		06	BE242	5,700,494.27	4,102,325.94	5,945,697.96	1
3	ERDF	069	01	07	07	06		07	UKD32	11,103,994.44	10,789,997.03	9,024,095.53	1
3	ERDF	069	01	07	07	06		08	BE234	7,040,950.00	6,087,290.00	5,793,124.08	1
3	ERDF	069	01	07	07	06		08	DEB32	7,578,642.26	6,566,410.10	5,010,239.75	1
3	ERDF	069	01	07	07	06		08	FR101	6,940,715.90	5,704,428.11	1,938,695.18	1
3	ERDF	069	01	07	07	06		08	NL333	7,276,838.96	6,487,386.15	5,127,109.46	1
3	ERDF	069	01	07	07	06		08	UKD72	5,202,446.44	4,958,100.44	2,175,407.76	1
3	ERDF	069	01	07	07	06		11	DEA52	7,835,557.37	6,535,952.52	2,522,183.88	1
3	ERDF	069	01	07	07	06		11	NL221	7,413,009.14	5,964,394.43	2,167,631.52	1
3	ERDF	069	01	07	07	06		11	UKL18	6,623,035.20	5,755,251.59	512,002.86	1
3	ERDF	069	01	07	07	06		22	DE731	6,933,242.60	6,005,781.69	1,106,032.58	1
3	ERDF	069	01	07	07	06		22	NL414	6,497,149.90	6,271,897.74	5,125,929.52	1
4	ERDF	121	01	07	07			24	BE1	263,364.16	263,364.16	217,394.27	1
4	ERDF	121	01	07	07			24	BE2	372,085.87	372,085.87	256,504.23	1
4	ERDF	121	01	07	07			24	BE3	1,463,875.00	1,463,875.00	549,150.97	1
4	ERDF	121	01	07	07			24	DE	800,000.00	800,000.00	581,161.71	1
4	ERDF	121	01	07	07			24	FR	22,743,615.00	22,743,615.00	15,696,902.26	1
4	ERDF	121	01	07	07			24	FR3	69,549.95	69,549.95	28,939.27	1
4	ERDF	121	01	07	07			24	IE	876,000.00	876,000.00	415,521.39	1
4	ERDF	121	01	07	07			24	LU000	335,000.00	335,000.00	241,844.68	1
4	ERDF	121	01	07	07			24	NL	377,261.00	377,261.00	219,110.60	1
4	ERDF	121	01	07	07			24	UK	661,673.00	661,673.00	484,813.04	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)
NWE102 CAN	0.00		5,418.02	0.00%
NWE1052 HI-ECOWIRE	412,877.44	0.10%	0.00	
NWE1102 STEPS	4,200.00	0.00%	0.00	
NWE1122 MegaAWE	0.00		61,174.08	0.02%
NWE136 eMEN	207,150.00	0.05%	3,275.09	0.00%
NWE142 BioBase4SME	0.00		6,578.55	0.00%
NWE217 BE-GOOD	0.00		8,454.87	0.00%
NWE220 ASPECT	177,207.46	0.04%	3,533.73	0.00%
NWE292 Phos4You	298,200.00	0.08%	3,770.44	0.00%
NWE320 SeRaMCo	0.00		77,973.99	0.02%
NWE331 Fibersort	0.00		2,739.40	0.00%
NWE334 GenComm	0.00		5,658.61	0.00%
NWE348 AFTB	0.00		248,897.42	0.06%
NWE358 Food Heroes	0.00		47,032.20	0.01%
NWE363 QCAP	151,949.53	0.04%	195,878.29	0.05%
NWE368 H2Share	0.00		509.39	0.00%
NWE377 RAWFILL	0.00		10,254.36	0.00%
NWE40 B4H	0.00		274.59	0.00%
NWE410 UP STRAW	4,800.00	0.00%	5,468.75	0.00%
NWE452 CleanMobilEnergy	0.00		662.31	0.00%
NWE455 Codex4SMEs	314,278.05	0.08%	0.00	
NWE474 GROOF	108,000.00	0.03%	4,449.72	0.00%
NWE485 SHICC	0.00		93.10	0.00%
NWE496 ECCO	0.00		1,250.00	0.00%
NWE497 BONE	0.00		5,262.45	0.00%

NWE520 ALG-AD	0.00		1,214.23	0.00%
NWE544 Water Test Network	783,132.00	0.20%	0.00	
NWE55 FORESEA	0.00		7,003.20	0.00%
NWE553 river	13,200.00	0.00%	1,736.85	0.00%
NWE574 SMART TRACK 4 WATERWAY (ST4W)	0.00		10,733.82	0.00%
NWE585 VR4REHAB	0.00		441.10	0.00%
NWE596 FCCP	327,491.15	0.08%	19,884.19	0.01%
NWE601 ReNu2Farm	0.00		14,331.41	0.00%
NWE613 ITEG	0.00		654,553.50	0.17%
NWE619 WOW!	0.00		6,087.76	0.00%
NWE621 UV - ROBOT	0.00		3,638.67	0.00%
NWE647 SMART-SPACE	0.00		100,675.40	0.03%
NWE653 SuNSE	0.00		2,033.63	0.00%
NWE657 Green WIN	0.00		853.50	0.00%
NWE661 NWE-Chance	0.00		326.82	0.00%
NWE663 Machining4.0	0.00		36,284.18	0.01%
NWE67 ACE-Retrofitting	0.00		45.39	0.00%
NWE695 EYES	0.00		972.00	0.00%
NWE729 Di-Plast	551,470.23	0.14%	115,238.04	0.03%
NWE730 HappyMoo	0.00		738.27	0.00%
NWE739 FCRBE	39,000.00	0.01%	0.00	
NWE756 MiteControl	428,125.62	0.11%	217,099.94	0.05%
NWE787 CEDaCI	0.00		845.90	0.00%
NWE808 Care-Peat	0.00		5,336.86	0.00%
NWE831 REAMIT	180,480.00	0.05%	1,487.99	0.00%
NWE834 MUSTBE0	941,799.60	0.24%	2,092.73	0.00%
NWE847 RED WoLF	0.00		69.29	0.00%
NWE853 IMAGINE	0.00		7,683.03	0.00%
NWE855 COBRACOMP	491,521.00	0.12%	1,471.09	0.00%
NWE883 HECTOR	664,569.00	0.17%	0.00	

NWE892 DGE- ROLLOUT	0.00		2,716.15	0.00%
NWE917 CircTex	715,000.00	0.18%	10,036.74	0.00%
NWE95 HeatNet NWE	0.00		2,148.13	0.00%
NWE96 CHIPS	0.00		21,631.83	0.01%
NWE961 TRANSFORM-CE	0.00		4,333.69	0.00%
NWE975 DigitalDeConstruction	0.00		119.12	0.00%
NWE982 SHAREPAIR	0.00		4,889.51	0.00%

(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

The NWE communication evaluation was finalised by the programme authorities in 2021. It aimed at providing an overview of the impact of the communication strategy implemented in the period 2014-2020, in relation to the programme objectives. It also aimed at exploring and presenting the perceptions which stakeholders had of the programme throughout all phases of the project lifecycle (from call announcement to project implementation and capitalisation). In the context of the 2014-2020 programme it allowed the Programme authorities to adapt existing approaches and define more targeted activities needed. In the context of the post 2020 period and the preparations for the new programme, it will be used as a basis to design the future programme communication objectives and strategy, notably in the framework of the on-going NWE Task Force (NTF) process.

In order to carry out the evaluation, JS worked with an external consultant selected following a public tender procedure.

The evaluation was designed based on the objectives and predefined indicators set out in the NWE Communication Strategy. The effectiveness of the communication efforts has therefore been evaluated based on the following factors defined in the “evaluation” chapter of the Programme Communication Strategy:

- **Inputs:** Resources allocated to the communication campaign or effort, money, staff time, distribution channels used, materials used).
- **Outputs:** Activities conducted to influence audiences to perform a desired behaviour (number of materials disseminated, calls, events held, social media tactics employed, outreach and frequency of communications, free media coverage)
- **Outcomes:** Audience response to outputs (changes in behaviour intent, changes in knowledge about the programme changes in beliefs, responses to campaign elements (e.g. videos shared, Twitter followers, number of attendees at events)
- **Impact:** Indicators that show levels of impact (average number of eligible applications per call, average number of successful applications per call, etc)

Inputs and outputs were analysed based on an extensive desk research. Documents were compiled and compared to retrace the Key Programme Objectives, and to assess how the Communication Strategy supports these objectives. Information regarding communication activities and channels (website, events) were examined either online or via documentation and evidence provided by the JS (e.g., TA workplans, success rates, MC brief notes, event evaluations, publications, budgets, time estimations).

Outcomes and impacts were analysed through figures, statistics and data provided by the JS, but also via a stakeholder survey conducted over a 5-week period in August and September 2020. A total of 181 respondents participated, including mostly project stakeholders (159). In addition to that, interviews were conducted with 9 project stakeholders coming from a representative sample of partners, lead partners and project applicants and of Member States. The final questions of the survey offered the opportunity to discuss further and to provide contact details.

Recommendations included the following:

- Impacts were only defined as the eligibility rate (96%) and the success rate (28,6%) of step 1 even though this is inconsistent with the objectives as described in the strategy. Presumably, the overall success rate would have been easier to apprehend before the two-step process. Although the eligibility rate is relevant in terms of awareness and initial explanations, success rates are not attributable to communications alone, nor should they be measured in that way. Impacts in communications are first and foremost measured in perception, by comparing usage, perceptions and intentions by different target groups before and after, or year after year in the same format.
- In aid of future programme evaluations / impact measurements, it may be useful to develop a 7 year strategy focusing on the programme's permanent communication mission (objectives, stakeholders, approach, frequency of measurement, resources, responsibilities) and to draw up complementary yearly (and detailed) communication calendars and plans linked to budgets and expenditure to focus the yearly tactics and activities (and measurement) in a more adaptable, measurable and stakeholder-focused manner according to specific objectives.
- The flexibility needed to identify and approach different audiences based on the advancement of the programme (e.g. implementation vs. results or from call to call) and to rethink or adapt these approaches as and when necessary (e.g. Brexit, Covid...) exists in the programme, and is supported by the survey and interview perceptions. The next communication strategy should be clear in its' mission and adaptable in its implementation.
- The role of the Programme Contact Points stood out as being particularly necessary and appreciated by partners, which justifies their strong implication in communication activities.

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

Programme Monitoring

- In 2021, the Programme MC discussed the NWE implementation and monitoring regularly in the MC meetings. The monitoring encompasses the thematic and financial aspects of the Programme Priorities and individual Specific Objectives.
- The project scorecard, covering all projects implemented by NWE, is regularly reviewed and presented to the Programme Monitoring Committee. The tool has been used by the Programme since 2017 and is regularly updated with the project achievement profile gathered from the individual project progress reports and quality appraisals. In this way, the Programme authorities gain knowledge about the global risk level individual projects represent. In 2021, most projects were considered risk low, mainly due to the end-date extensions described below. Projects such as Transform-CE, BSTART and AFLOWT were considered risk-high. Reasons varied, from significant investment delays, output delivery delays, delays in submission of progress reports and payment claims and relatively low spending when compared to targets.

COVID-19

- As the Covid pandemic continued in 2021, the programme authorities focused on managing the ongoing delays in the implementation of funded projects, noticeable in the majority of them. In particular, the projects working with supply chains or where investments required construction material (such as timber for instance) were subjects to delays and consequent project modifications.
- For this reason, the Programme continued to apply its approach to allow for project end date extensions of 6 to 12 months. Such flexibility enables the delivery of projects including investments and testing on demonstration sites in particular. In some cases, the Programme authorities also granted additional ERDF funding to mitigate Covid-related risks.
- Knowing that many project partners, in particular private ones, found themselves in financial difficulty in the pandemic times, a lot of stress was put by the JS, MA and CA on the timely processing of the project progress reports and financial claims. All in order to ensure that the project partners are paid in time for their activities.
- Until now, the impact of the pandemic is not noticeable on the project output indicator contributions to the Programme. Even though the projects encountered delays, their target indicator values remain, in the vast majority of cases, unchanged and the achieved values for the vast majority of the Programme indicators continued to grow.

Brexit follow-up

- Following the Brexit process and the UK leaving the EU on 31 January 2020 and in line with the withdrawal agreement applicable to the Structural Funds and so to the NWE programme, the UK partners continue to implement their NWE project activities and claim related expenditure, which remains eligible till the end of the Programme. It should also be noted that UK partners were eligible to apply for additional funding within the Programme capitalisation calls, leading to project extensions in time and increased impact on the programme territory.

(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.

The pipeline of the NWE projects is highly relevant to the Programme Specific Objectives and their individual intervention logics.

Within the monitoring process, the Programme introduced mid-term and final quality appraisals, the former taking place half-way through the project implementation and the latter carried out 6 months before the project closure. 11 projects were closed by end 2021 and 21 final appraisals carried out, preparing further projects for closure and demonstrating their real contribution to the Programme and its territory.

The final appraisals are particularly important as they tackle strategic project and programme aspects. They not only ensure that the project implementation has been aligned with the initial specifications detailed in the application form and the project achievement profile satisfactory, but also breach the gap between the regular project monitoring (progress in the delivery) and Programme evaluation.

The final appraisals hence tackled:

- The alignment of the project with its context in the course of implementation (for instance political, economic, technological, etc.),
- Subject of project impact on the territory, additional benefits brought, in addition to the “regular” project results, including those for the project partners, end-users or society at large
- The actual territorial relevance to the evolving NWE territory and context
- Reduction of regional disparities
- Project alignment with the programme, including the targets groups, results and result indicators of the individual Specific Objectives
- Project contribution to the Programme cohesion indicators defined within the NWE evaluation plan.

The outcome of the final project appraisal process carried out in 2021 showed:

- High project achievement profile, with the projects delivering, in real life, the expected project outputs and results
- High relevance of the project to the territorial issues tackled (proved tangibly in the course of implementation)
- Projects delivering additional results to those initially planned in their application forms (tackled by the programme due to the “benefits management” approach introduced in NWE upon the initiative of the UK in the programming stage
- Projects clearly demonstrating their tangible contribution not only to the broad Specific Objectives under which they were approved, but their individual results and result indicators
- Additional input to the two axes of the cohesion tackled by the programme (competitiveness and balanced development), grasped by the chosen “cohesion indicators”.

It should be noted that the final appraisals will be a major starting point in the final Programme impact evaluation, which will be launched in the second half of 2022.

Last but not least, it should also be noted that, in the framework of the programme capitalisation strategy, NWE has developed various tools and activities aiming to maximise the impact of project results achieved up to now. Among these different initiatives, the idea of organising *calls for capitalisation*, open to approved projects within the current 2014-2020 programming period, was approved at MC 16 in June 2019. The calls for capitalisation were developed to support project results that show a particularly strong potential to be rolled-out or taken up beyond the initial goals. The calls for capitalisation therefore substantially enhance the programme's impact in a cost-efficient way.

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	182,914,600.99	102.43%
3	24,327,907.32	30.77%
Total	207,242,508.30	52.32%

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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
Interreg NWE Communication Evaluation	Citizens' summary	14-Jun-2022			Interreg NWE Communication Evaluation		

LATEST VALIDATION RESULTS

Severity	Code	Message
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