

Teacher
with



training

specialization on life and information technology skills

Deliverable 5.3

Periodic Quality and Evaluation Report

Status -Version: Final

Delivery Date: 12.4.24



Co-funded by the
Erasmus+ Programme
of the European Union

Prepared by UOI TEAM

Project information

Project Acronym: 21TS

Project Title: Teacher training with specialization on life and information technology skills

Project Reference: 610349-EPP-I-2019-I-ELEPPKA2-CBHE-JP

Project Website: www.21stTeachSkills.eu



NOVEL
Group



**BANASTHALI
UNIVERSITY**



 Klaipėdos
universitetas

 深圳職業技術學院
SHENZHEN POLYTECHNIC



SYMBIOSIS INTERNATIONAL (DEEMED UNIVERSITY)

The 21TS project has been funded with support of the Erasmus+ Programme of the European Commission. The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

Table of Contents

Introduction	4
1 Methodology	5
2 Report for NOVEMBER '19 - MAY '20.....	6
3 Report for MAY '20 - NOVEMBER '20.....	8
4 Report for November '20 - May '21	11
5 Report for May 2021 - November '21	14
6 Report for November '21 - May '22	18
7 Report for May '22 - November '22	21
8 Report for November '22 - May '23	26
9 Report for May '23 - November '23	29
10 Overview	36
10.1 Progress & Direction	36
10.2 Management & Communication	36
10.3 Team & Roles	36
11 Conclusions	37

Introduction

The 21st TS project consists of 9 organizations from 6 different countries and is driven by the imperative to bridge the growing disparity between existing educational curricula and the demands of 21st-century skills. The principal activity is to develop an Educational Programme in higher education institutions' curricula for pre-service and in-service teachers, as well as a Capacity Building Programme for the academic staff of the universities.

Every six months, to closely monitor progress, periodic quality control was conducted. For each deliverable, data was collected on various aspects: technical (product functionality, usability, design, and training quality), pedagogical (strategies used, types of activities supported, and the added value of the project), achievement of expected outcomes and minimum required quality, and adherence to deadlines by all partners and completion of assigned tasks. The outcomes of this quality control practice included acceptance decisions, rework to correct rejected services, and process adjustments.

1 Methodology

At the end of every 6-month period of the life cycle of the project a quality and monitoring rubric was given to each partner to be filled out.

The 21TS Quality and Monitoring Rubric for all Partners consists of 4-point Likert scale questions answered by the members of the consortium except for the coordinator. It contains questions regarding various aspects of a project's implementation, such as Progress & Direction, Management & Communication, and Team & Roles. Each question assesses these areas with responses ranging from positive (4) to negative (1).

Under the category of "Progress & Direction", partners evaluated aspects such as the work carried out by the project's team, including defining objectives, choice of activities, definition of work procedures, and division of roles. Similarly, they provided feedback on the proposed calendar for carrying out the project's activities and their satisfaction with the decision-making processes.

In "Management & Communication", questions focused on the project management's effectiveness, the clarity and quality of communication among partners, and the adequacy of support for solving problems.

The "Team & Roles" section included questions about the cooperative work of the partners, their ability to understand instructions and procedures, and their capacity to work autonomously and independently.

The 21TS project started in November 2019 but due to the restrictions and the delays caused by the pandemic was extended until February 2024.

2 Report for NOVEMBER '19 - MAY '20

The responses from the partners show a tendency towards positive or rather positive evaluations across most categories, indicating a generally favorable view of the project's implementation processes.

The analysis of the 4-point Likert scale questionnaire responses provided by various partner organizations on aspects of a project's implementation reveals the following average scores across the three main categories:

Progress & Direction

■ 4 (positive) ■ 3 (rather positive) ■ 2 (rather negative) ■ 1 (negative)

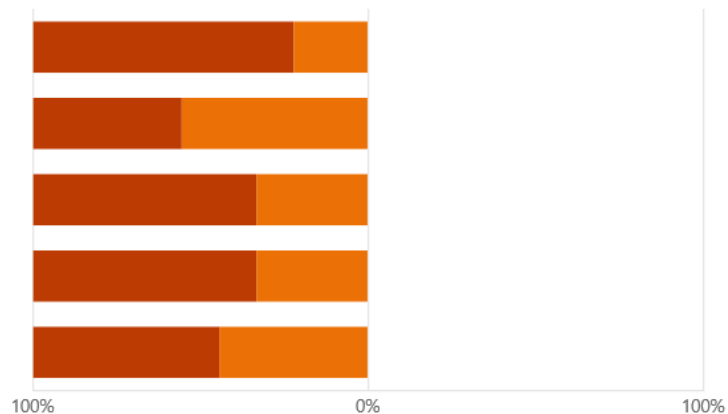
1. The work carried out by the project's team (i.e. defining objectives,...

2. The calendar proposed for the carrying out of the project's activities was:

3. The actual implementation of the distribution of responsibilities among the partners was:

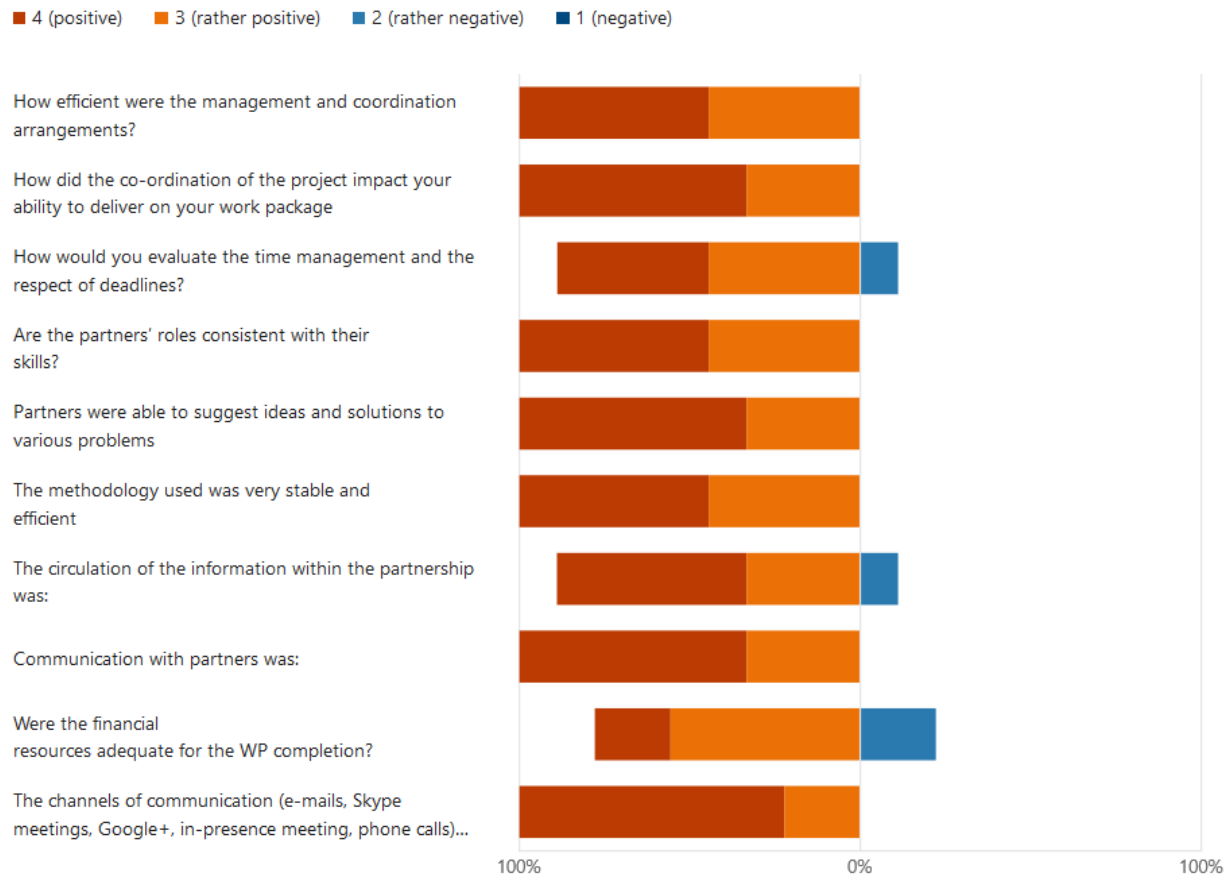
4. How would you evaluate the overall quality of the project results?

5. The procedure met my expectations



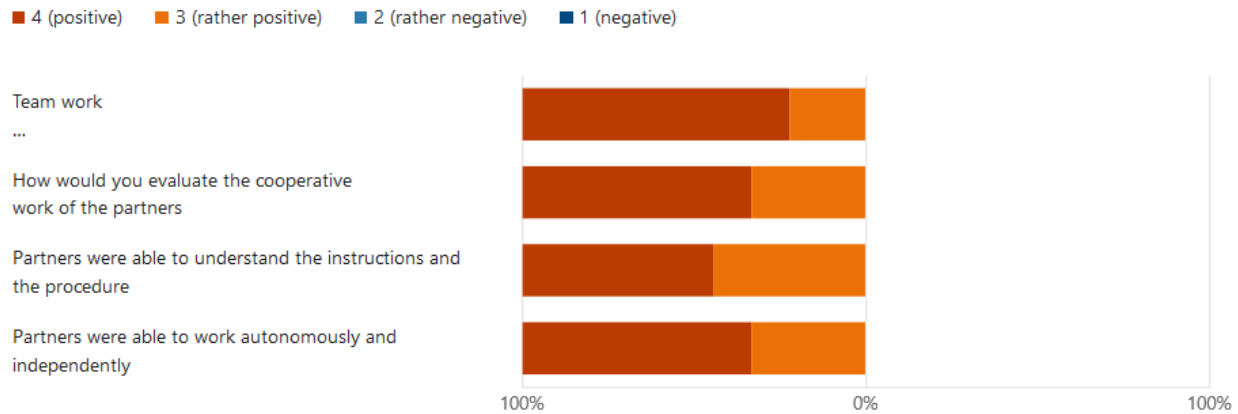
- The work carried out by the project's team: 3.78.
- The calendar proposed for the carrying out of the project's activities: 3.44.
- The actual implementation of the distribution of responsibilities: 3.67
- Overall quality of the project results: 3.67
- The procedure met expectations: 3.56

Management & Communication



- Efficiency of management and coordination arrangements: 3.56
- Impact of the coordination of the project on delivery: 3.67
- Evaluation of time management and respect of deadlines: 3.33
- Consistency of partners' roles with their skills: 3.56
- Ability to suggest ideas and solutions: 3.67
- Stability and efficiency of the methodology used: 3.56
- Circulation of information within the partnership: 3.44
- Communication with partners: 3.67
- Adequacy of financial resources for work package completion: 3.00
- Effectiveness of communication channels: 3.7

Team & Roles



- Teamwork (cohesion, support, clarity of roles): 3.78
- Evaluation of the cooperative work of the partners: 3.67
- Ability to understand instructions and procedure: 3.56
- Ability to work autonomously and independently: 3.67

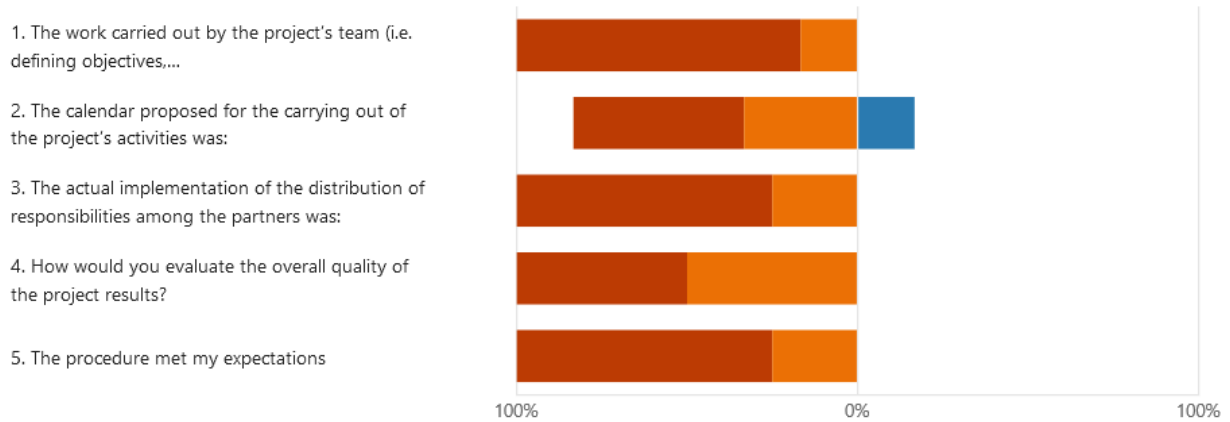
These scores suggest a generally positive perception of the project's implementation among the partner organizations. Areas of strength include the work carried out by the project's team, communication with partners, and team cohesion and support. However, the lower scores in areas such as the proposed calendar for activities (3.44) and adequacy of financial resources (3.00) highlight potential areas for improvement. The overall results indicate a solid foundation in management, communication, and teamwork, with opportunities to enhance scheduling and financial planning aspects of the project.

3 Report for MAY '20 - NOVEMBER '20

The findings from this period (May 2020 - November 2020) highlight a generally positive perception of the project's management, communication, and teamwork aspects. The consistently high scores in the Management & Communication category align with the high internal consistency indicated by Cronbach's alpha, reinforcing confidence in these areas as strengths of the project's implementation.

Progress & Direction:

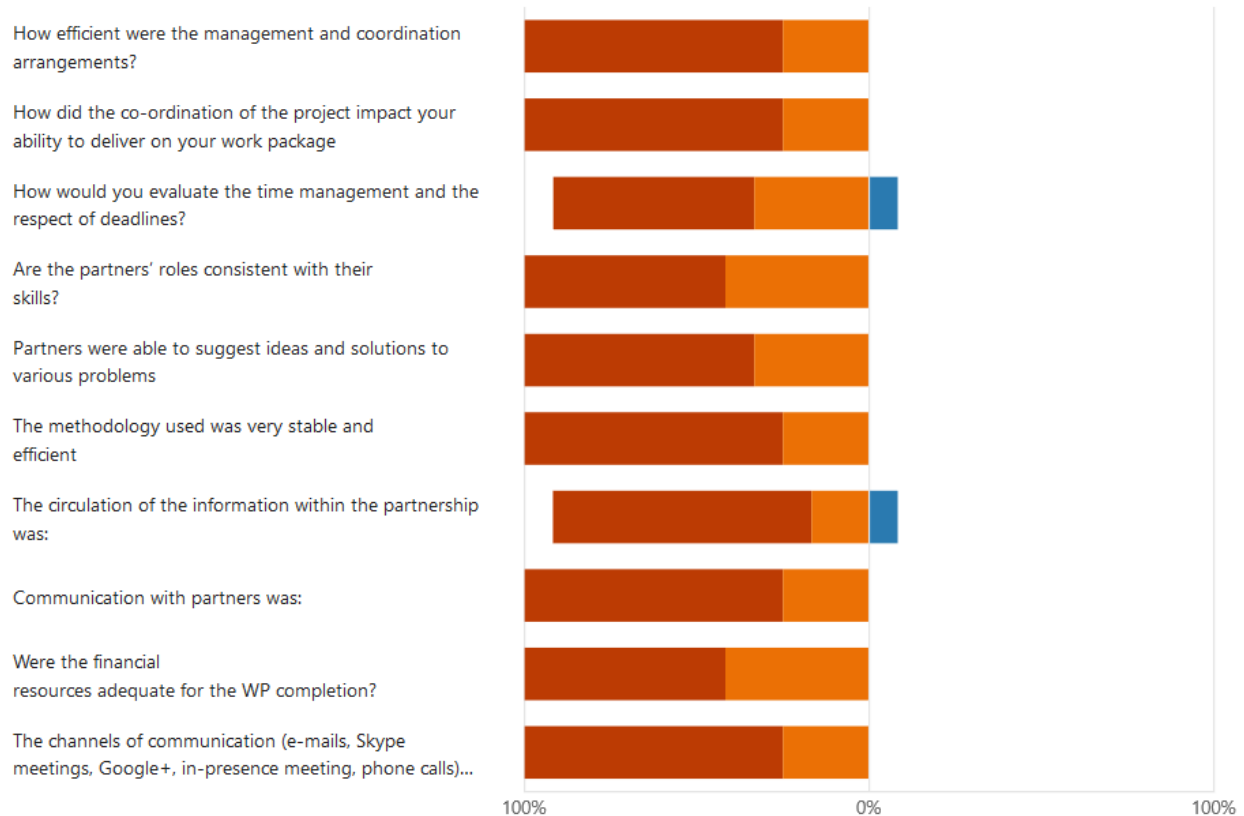
■ 4 (positive) ■ 3 (rather positive) ■ 2 (rather negative) ■ 1 (negative)



- The feedback indicates a generally positive evaluation, with scores like 3.83 for the work carried out by the project's team, and
- 3.75 for both the actual implementation of responsibilities and how the procedure met expectations.
- However, the calendar proposed for project activities was rated lower at 3.33, suggesting it as an area for improvement.

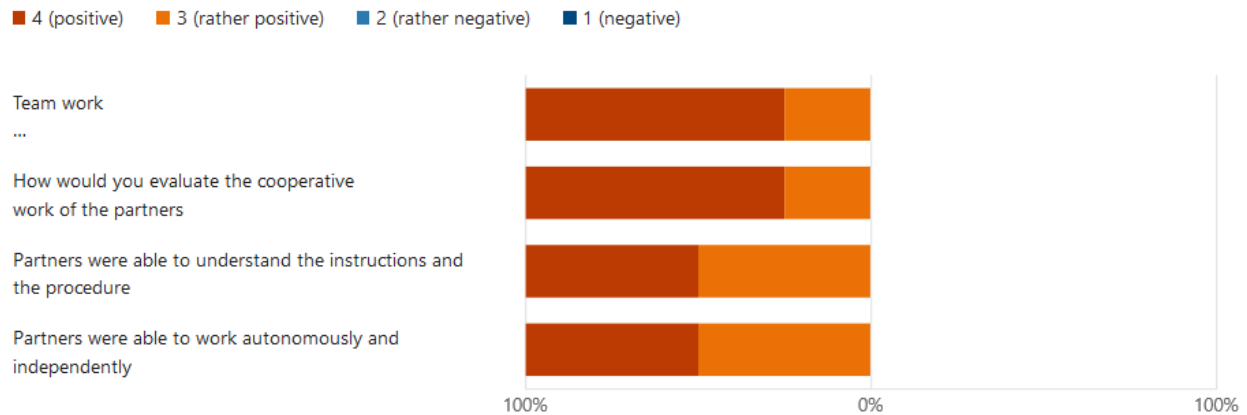
Management & Communication:

■ 4 (positive) ■ 3 (rather positive) ■ 2 (rather negative) ■ 1 (negative)



- This category shows strong positive evaluations, with many aspects such as management efficiency, coordination impact, methodology used, and communication with partners scoring 3.75.
- The time management and respect of deadlines received a slightly lower score of 3.50, indicating a good but potentially improvable aspect.

Team & Roles



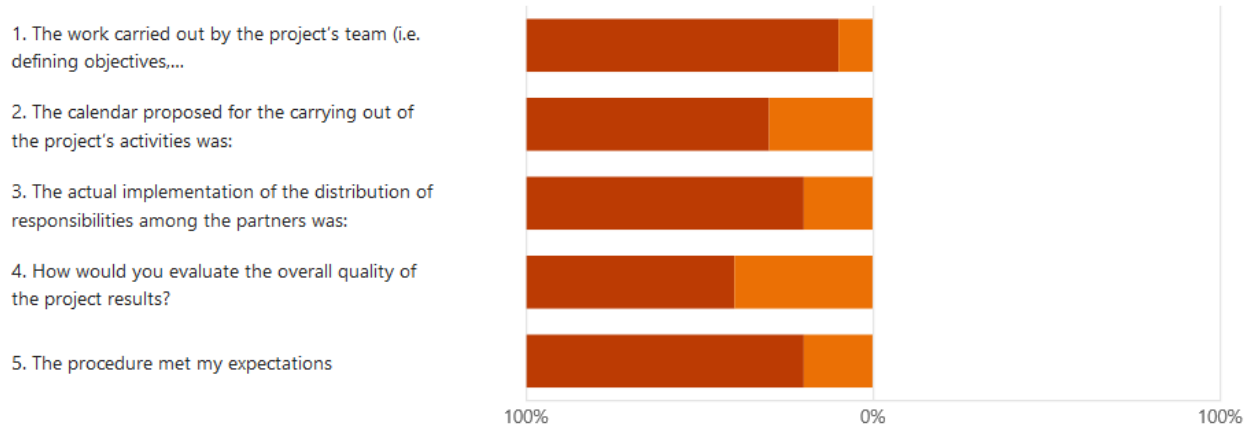
- Similarly, this category reflects a positive perception of teamwork and cooperation among the partners, with scores around 3.75 for teamwork and cooperative work.
- Understanding instructions and working autonomously and independently were rated slightly lower at 3.50, still indicating a positive assessment overall.

The analysis indicates a generally positive perception of the project's implementation in the latter half of 2020 among the partner organizations. Key strengths identified include management and communication practices, and teamwork, while the planning and scheduling aspect (as indicated by the proposed calendar for project activities) could benefit from closer attention and potential adjustments. This feedback provides valuable insights into areas of success and opportunities for further enhancement in future project phases.

4 Report for November '20 - May '21

Progress & Direction

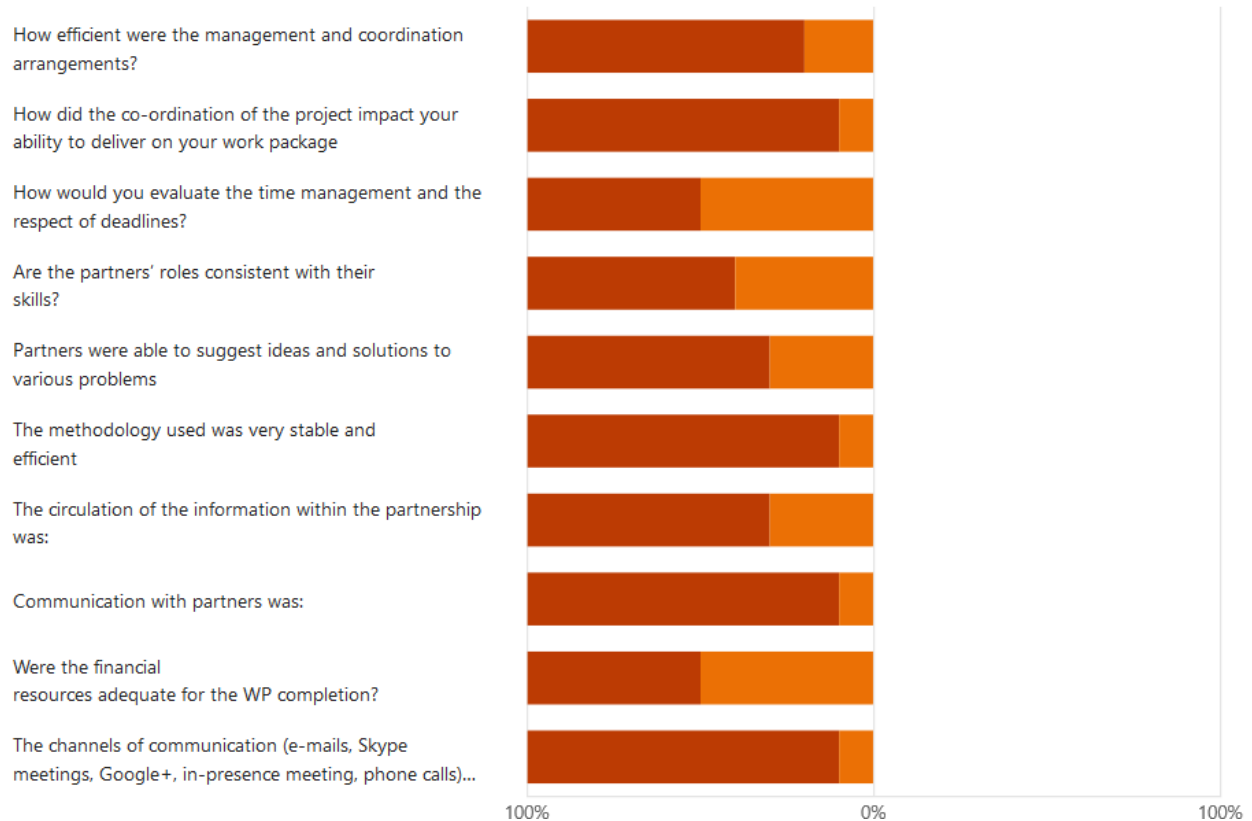
■ 4 (positive) ■ 3 (rather positive) ■ 2 (rather negative) ■ 1 (negative)



- This category showed high levels of satisfaction among partners, with the work carried out by the project's team receiving an average score of 3.9.
- The calendar proposed for the project activities and the actual implementation of responsibilities also scored well, at 3.7 and 3.8 respectively, indicating good planning and execution.

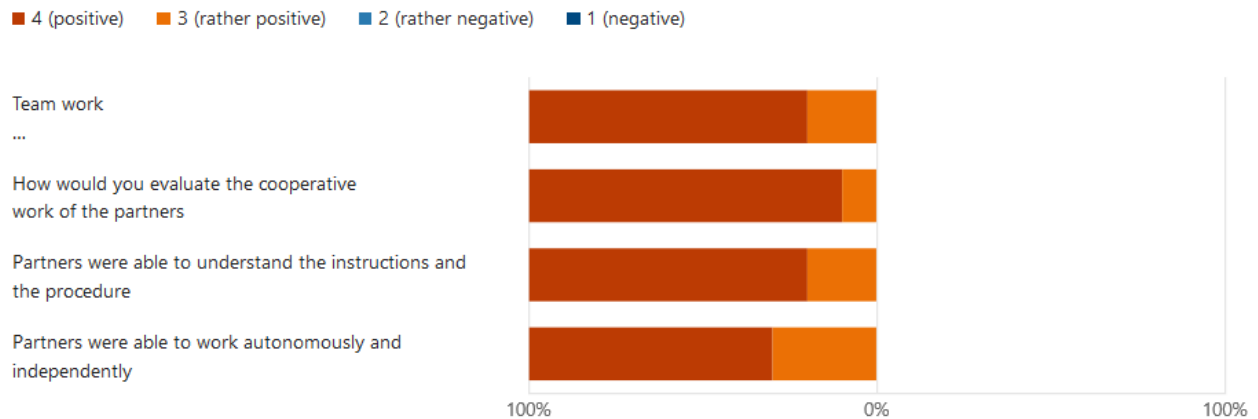
Management & Communication

■ 4 (positive) ■ 3 (rather positive) ■ 2 (rather negative) ■ 1 (negative)



- Scores in this category were notably strong, with the efficiency of management and coordination arrangements, the impact of coordination on work package delivery, and the stability and efficiency of the methodology used all scoring 3.8 or higher.
- This suggests effective management and clear, productive communication within the partnership.

Team & Roles



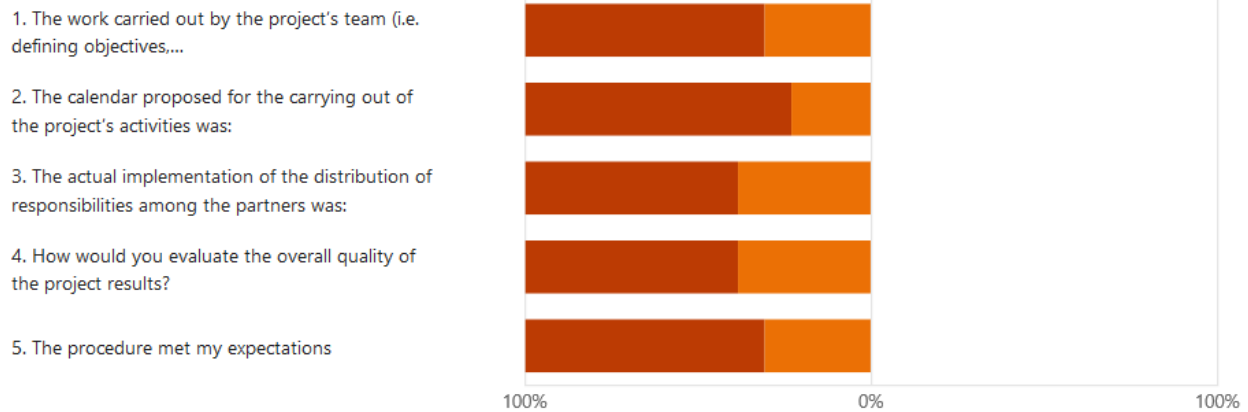
- Evaluations in this area were also positive, with cooperative work among partners and the team's ability to understand instructions and work autonomously scoring between 3.7 and 3.9.
- This reflects a strong sense of teamwork and the ability of partners to operate effectively within their roles.

The latest period of the project, from November 2020 to May 2021, appears to have been marked by strong performance across the board. Both the implementation of project activities and the underlying management and communication processes were rated highly by the partners. Areas such as project planning, execution, and teamwork all received positive evaluations, indicating a successful phase of the project with effective collaboration and clear, efficient project management. This phase of the project seems to have built well upon the foundations laid in previous periods, continuing to maintain high standards of execution and partner satisfaction.

5 Report for May 2021 - November '21

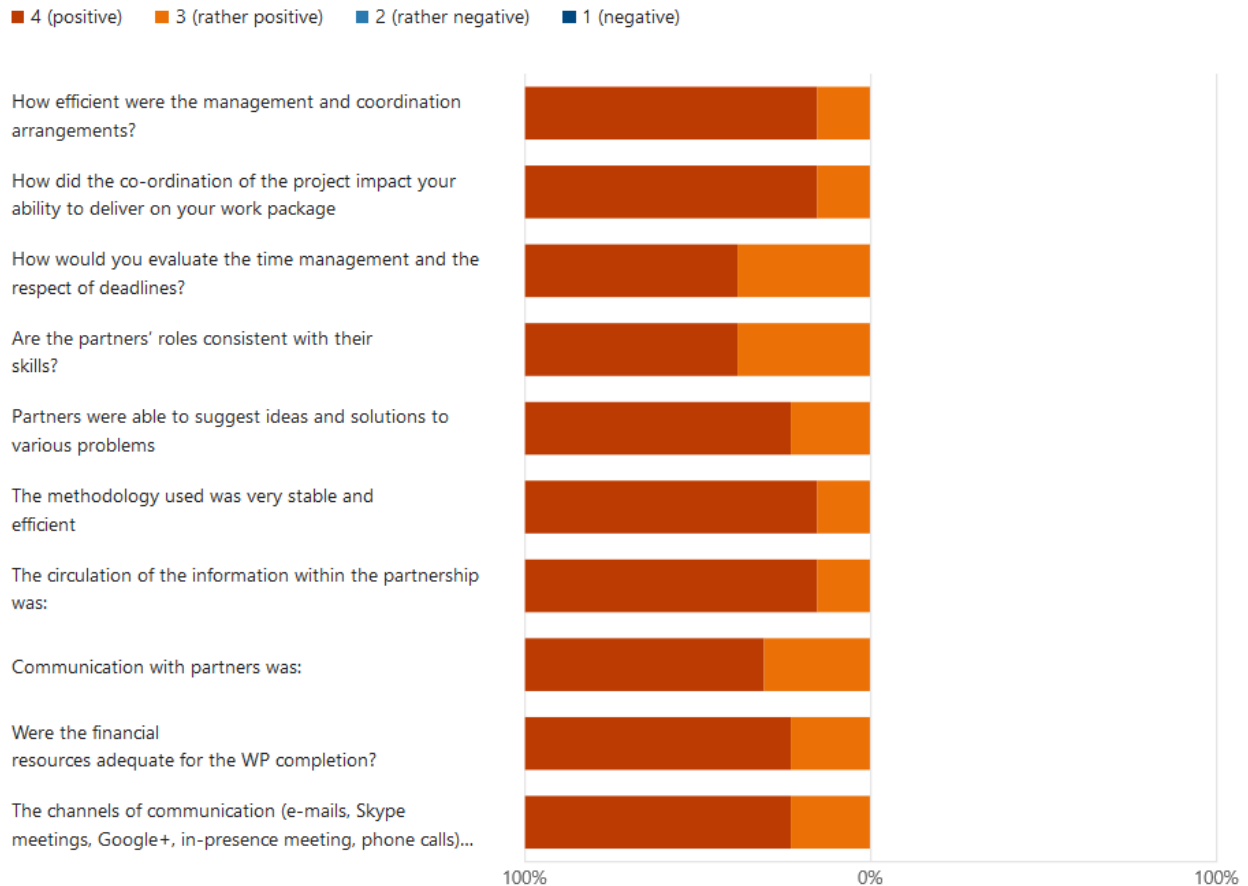
Progress & Direction

■ 4 (positive) ■ 3 (rather positive) ■ 2 (rather negative) ■ 1 (negative)



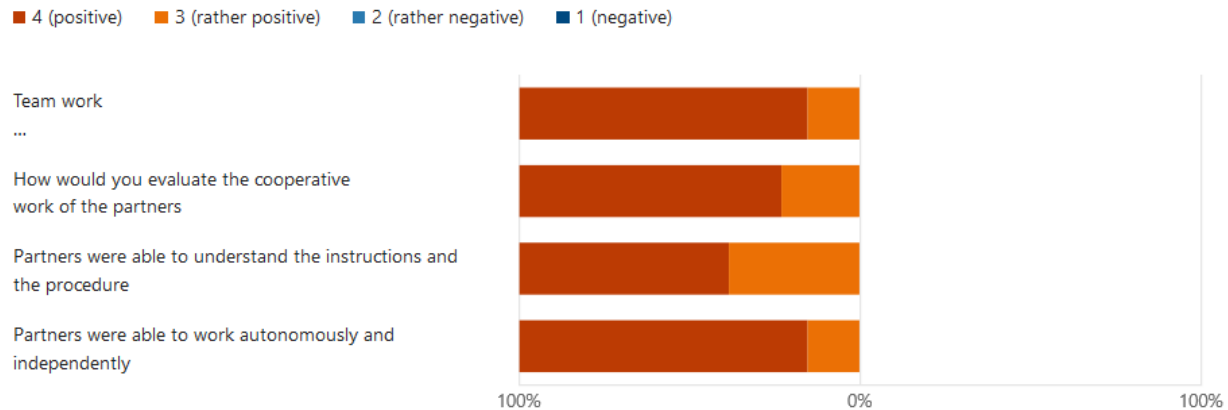
- This category saw slightly varied scores, with the highest being 3.77 for the calendar proposed for the project's activities, indicating that scheduling and planning were viewed positively.
- The overall quality of project results and the actual implementation of responsibilities scored a bit lower at 3.62, suggesting areas where perceptions were somewhat less positive but still generally favorable.

Management & Communication



- Scores in this category were notably high, with the management and coordination arrangements and the stability and efficiency of the methodology used both scoring 3.85.
- This reflects a strong appreciation for the project management and communication processes. The circulation of information within the partnership also scored 3.85, highlighting effective communication channels.

Team & Roles



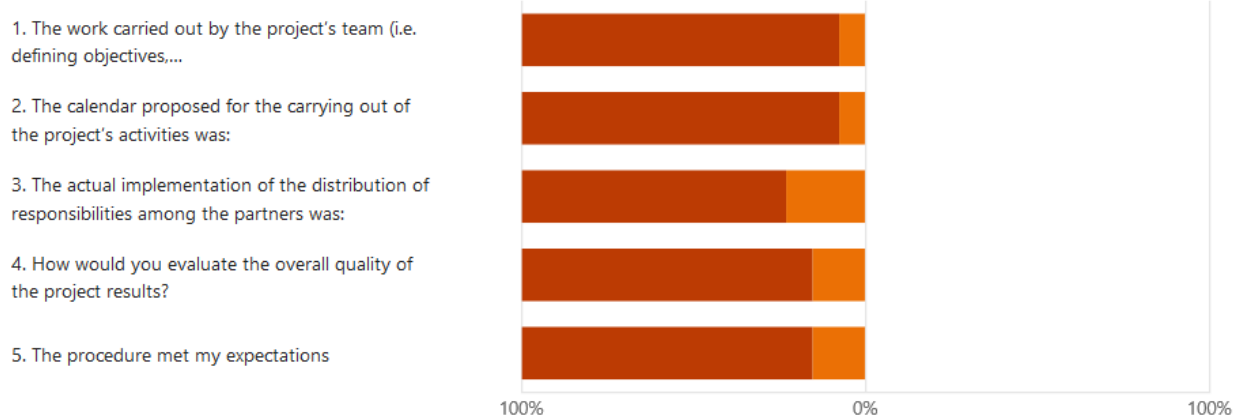
- Teamwork and the ability to work autonomously and independently were highly rated at 3.85, suggesting a strong collaborative environment and partners' capability to function effectively on their own.
- The cooperative work of the partners received a score of 3.77, further reinforcing the positive team dynamics.

This phase of the project, from May 2021 to November 2021, appears to have been characterized by effective management and communication, as well as strong team dynamics. While most areas were rated positively, there are slight variances in perceptions regarding the actual implementation of responsibilities and the overall quality of project results, which received the lowest scores in the set but were still generally positive. This feedback highlights the continued success of the project's management and execution strategies, along with opportunities for further enhancement in specific areas of project delivery and outcome quality.

6 Report for November '21 - May '22

Progress & Direction

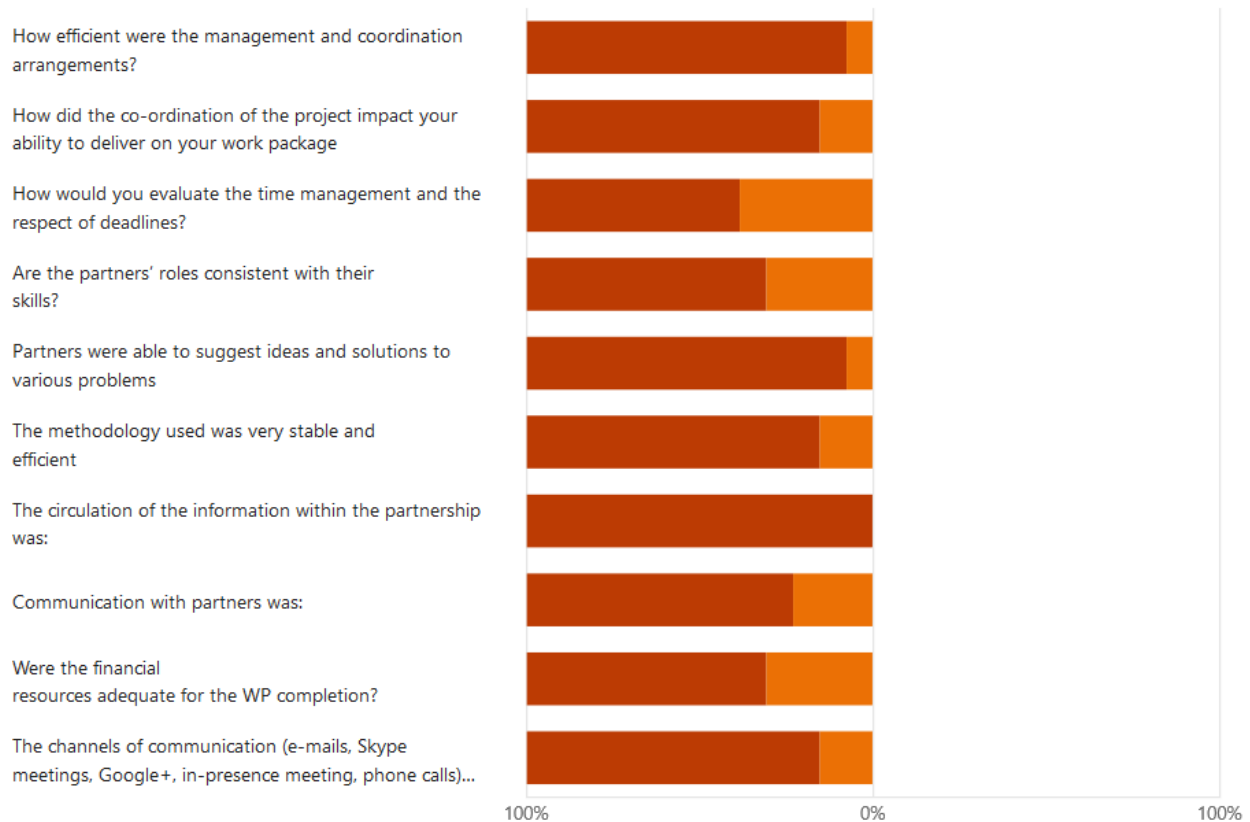
■ 4 (positive) ■ 3 (rather positive) ■ 2 (rather negative) ■ 1 (negative)



- Scores in this category were quite high, with the work carried out by the project's team and the calendar proposed for the project's activities both receiving an average score of 3.92.
- This reflects a strong approval of the project's direction and planning efforts.

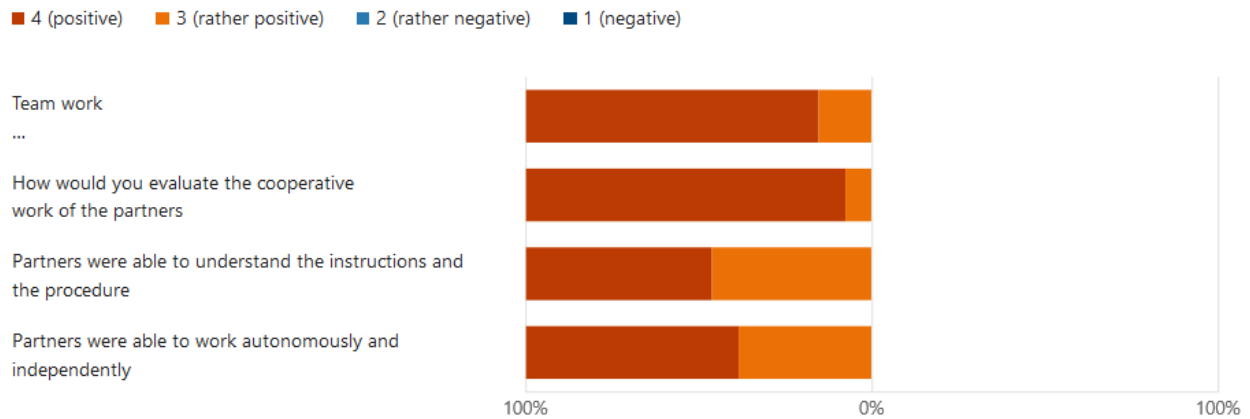
Management & Communication

■ 4 (positive) ■ 3 (rather positive) ■ 2 (rather negative) ■ 1 (negative)



- This category saw excellent scores, with the circulation of information within the partnership scoring a perfect 4.00,
- Efficiency of management and coordination arrangements, and suggestions for problem solutions also receiving high scores of 3.92.
- This indicates outstanding management and communication processes.

Team & Roles



- The cooperative work of the partners scored 3.92, showing a strong collaborative spirit.
- The lowest scores in this dataset related to partners understanding the instructions and the procedure, and their ability to work autonomously and independently, scoring 3.54 and 3.62 respectively
- Slight areas for improvement in clarity and independence.

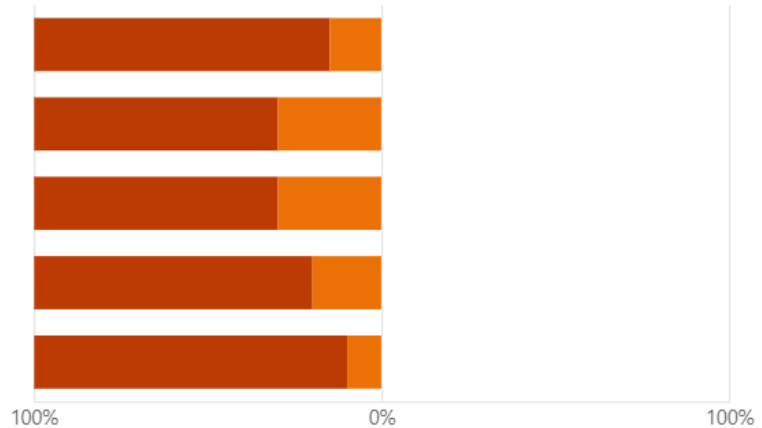
From November 2021 to May 2022, the project demonstrated strong performances in management, communication, and progress direction, as reflected in the high average scores across categories. The outstanding management and communication within the partnership are particularly noteworthy. This phase of the project continues to build on its strengths in planning, execution, and partnership collaboration, with insights for further refinement in specific areas.

7 Report for May '22 - November '22

Progress & Direction

■ 4 (positive) ■ 3 (rather positive) ■ 2 (rather negative) ■ 1 (negative)

1. The work carried out by the project's team (i.e. defining objectives,...
2. The calendar proposed for the carrying out of the project's activities was:
3. The actual implementation of the distribution of responsibilities among the partners was:
4. How would you evaluate the overall quality of the project results?
5. The procedure met my expectations



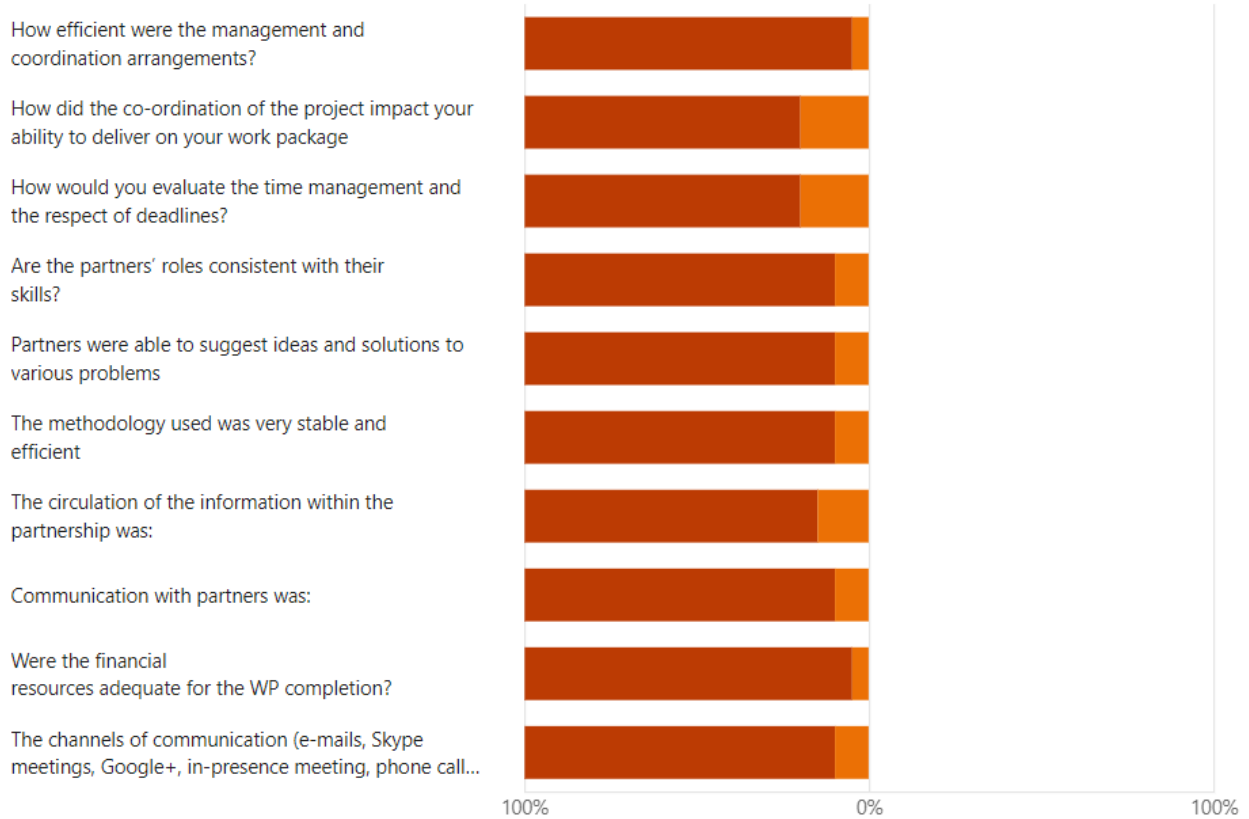
*Deliverable 5.3: Periodic
Quality and Evaluation Report*

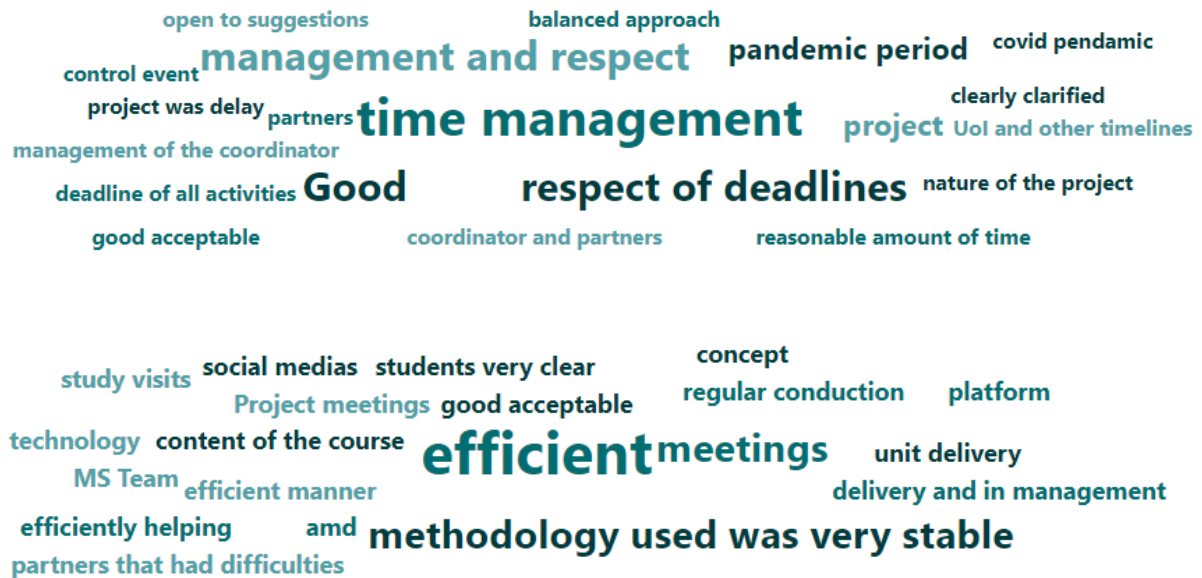


- The scores suggest a strong positive evaluation, with the highest being 3.90 for how well the procedure met expectations, indicating satisfaction with the project's execution processes.
- The work carried out by the project's team was also rated highly at 3.85.
- Technical support for the completion of assigned tasks was needed from the majority of the partners.

Management & Communication

■ 4 (positive) ■ 3 (rather positive) ■ 2 (rather negative) ■ 1 (negative)

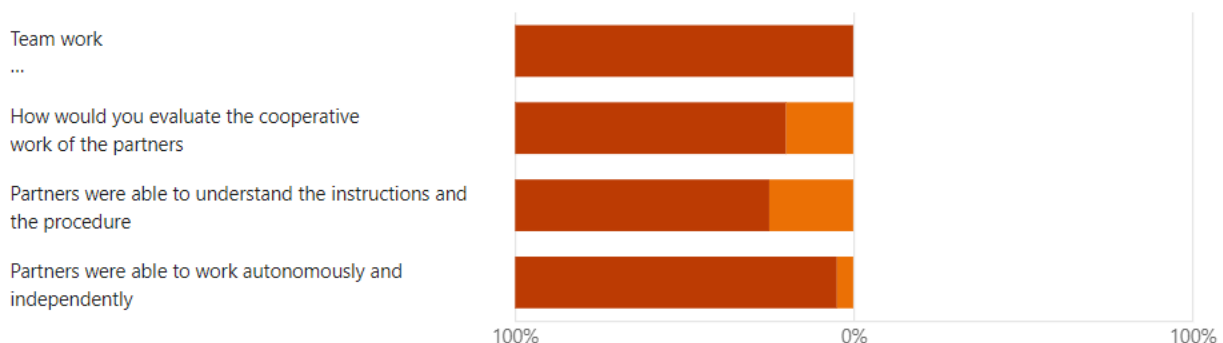




- This category saw exceptional scores, especially in the efficiency of management and coordination arrangements.
- The adequacy of financial resources for work package completion, both at 3.95.
- This reflects excellent management and communication within the project.

Team & Roles

■ 4 (positive) ■ 3 (rather positive) ■ 2 (rather negative) ■ 1 (negative)



- The highest score was 4.00 for teamwork, indicating an outstanding level of cohesion and support within the teams.

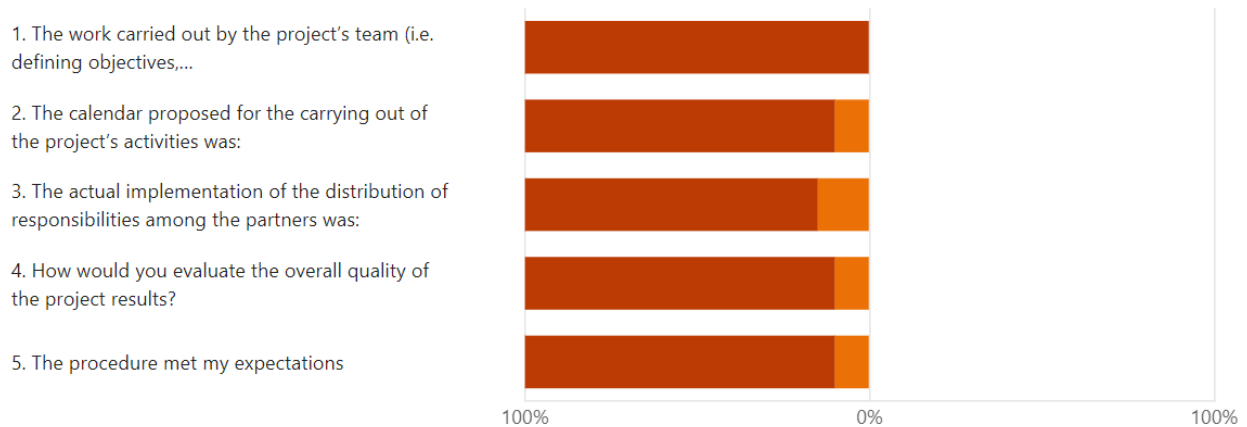
- Scores for understanding instructions and the procedure, and the ability to work independently, were slightly lower but still strong at 3.75 and 3.95 respectively.

The period from May 2022 to November 2022 was marked by excellent project management and strong team dynamics, as reflected in the high average scores across all categories. This phase of the project demonstrates a successful continuation of strong project execution, with insights indicating areas for further methodological refinement.

8 Report for November '22 - May '23

Progress & Direction

■ 4 (positive) ■ 3 (rather positive) ■ 2 (rather negative) ■ 1 (negative)

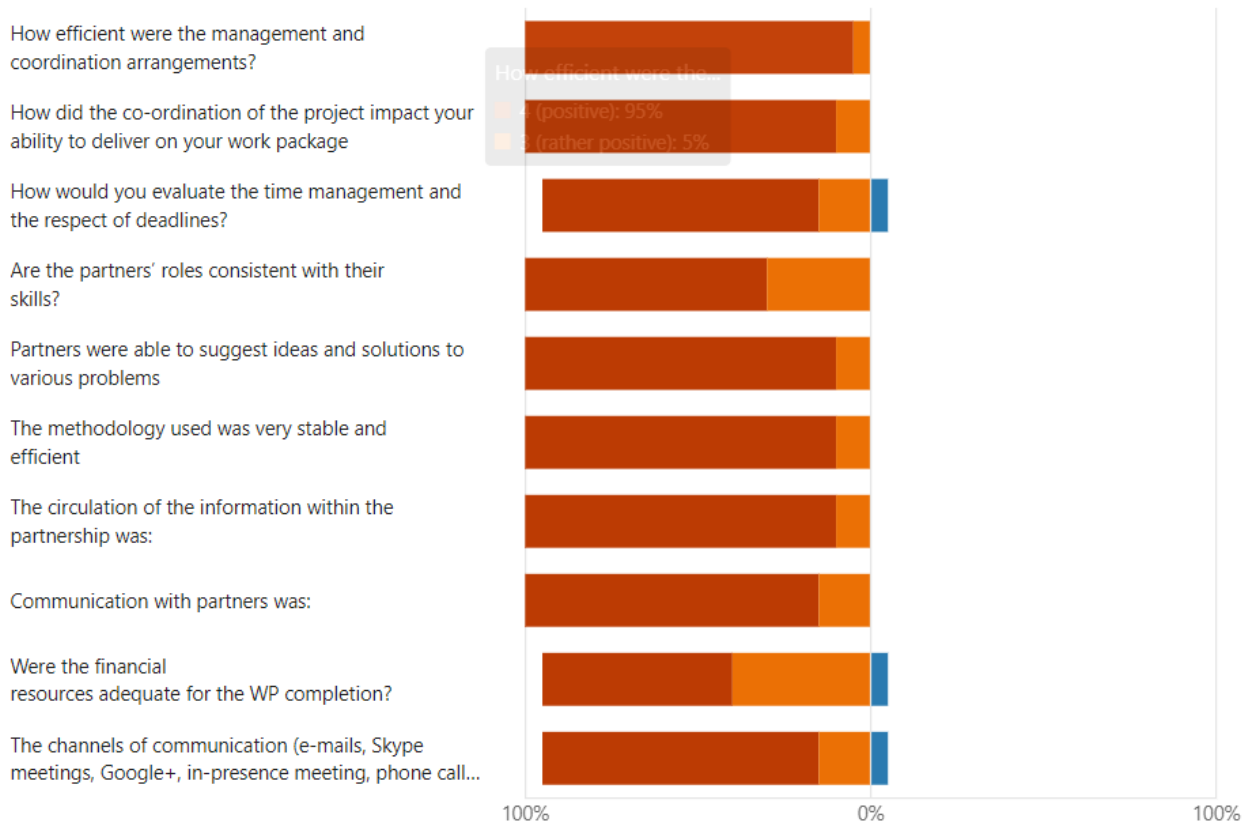


This category received excellent evaluations, with all aspects related to the project's execution and planning receiving scores of 4.00 or slightly less.

- This suggests a high level of satisfaction with the project's direction and implementation.

Management & Communication

■ 4 (positive) ■ 3 (rather positive) ■ 2 (rather negative) ■ 1 (negative)



arrangements were appropriate Absolutely perfect managerial functions
 good and success coordinator and partners arrangements problems and issues
Project coordinator Good efficient Excellent
 efficiency tasks management and coordination doubt
 clear time managed efficiently vigilant Project management

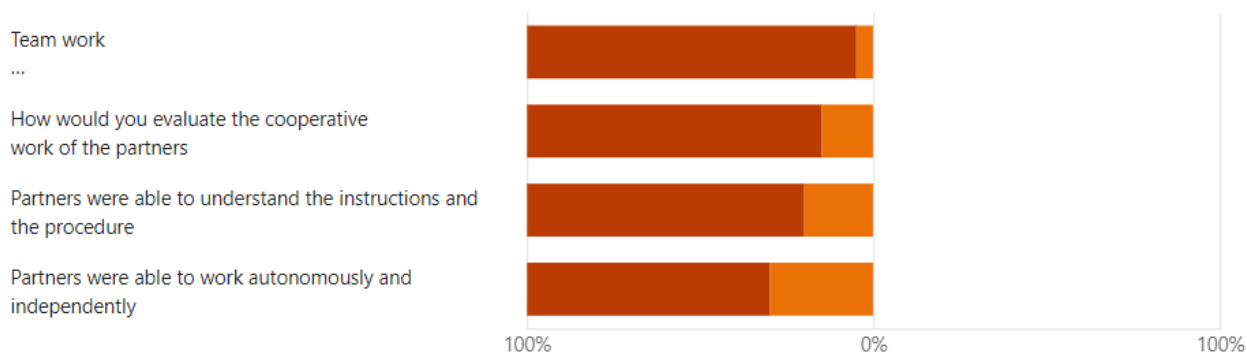
Deliverable 5.3: Periodic
Quality and Evaluation Report



- Scores in this category were also high, particularly in the efficiency of management and coordination arrangements at 3.95.
- The lowest score in this category was for the adequacy of financial resources, at 3.50, indicating some concerns in this area.

Team & Roles

■ 4 (positive) ■ 3 (rather positive) ■ 2 (rather negative) ■ 1 (negative)



- Teamwork was rated highly at 3.95, reflecting strong collaboration within the project.
- The ability of partners to work autonomously and independently received the lowest score in this set at 3.70, suggesting room for improvement in fostering independence among partners.

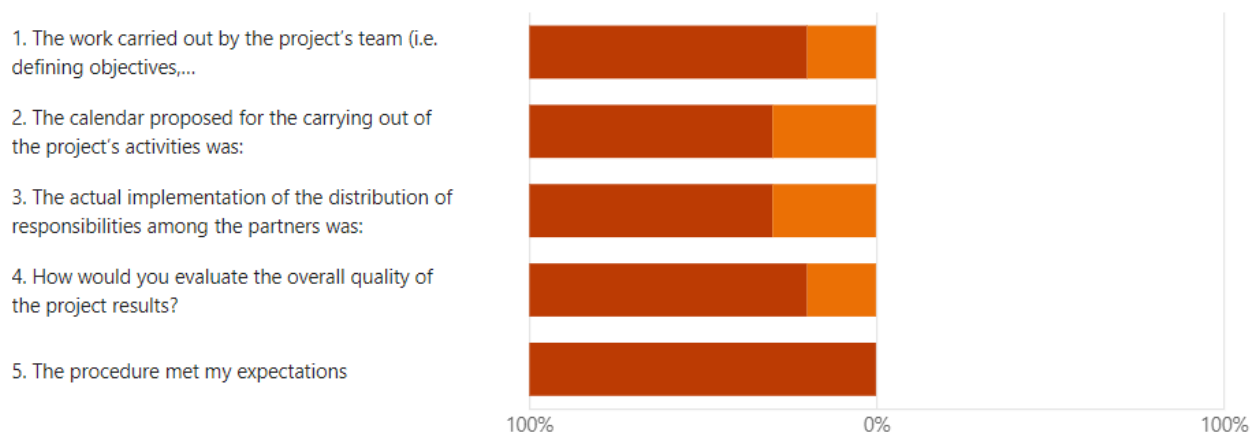
The period from November 2022 to May 2023 shows strong performance across various aspects of project management, communication, and execution, as reflected in the high average scores. The project excelled in its execution and management, with particularly strong scores in management and coordination. The concerns regarding financial resources indicate an area that could benefit from additional attention or resources in future project phases. Overall, the project continues to demonstrate strong collaborative dynamics and effective management, with insights for further methodological refinement in survey consistency and financial planning.

9 Report for May '23 - November '23

Covering the final phase of the project as it approached completion in February 2024.

Progress & Direction

■ 4 (positive) ■ 3 (rather positive) ■ 2 (rather negative) ■ 1 (negative)



- Reflecting on the project's execution and planning, scores were quite high with 4.0 for how well the procedure met expectations, and
- 3.8 for the overall quality of the project results.
- These scores indicate strong satisfaction with the project's direction and outcomes.

○ Qualitative Analysis

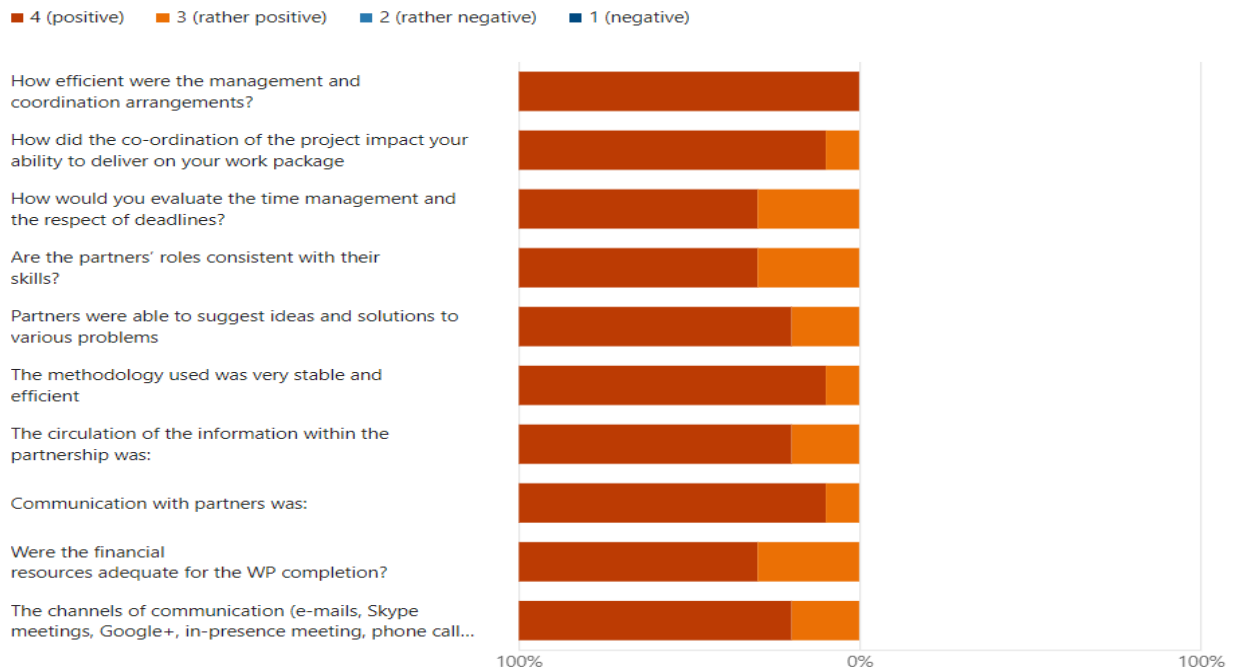


1. Work Processes and Division of Roles: There's a consensus that the division of labor and clarity in work processes are well-defined, leading to an efficient project team dynamic.

2. **Calendar and Timeliness:** The calendar for project activities was received positively, with a clear indication that timelines were well-thought and adhered to, accommodating for special circumstances and providing the necessary flexibility.
3. **Distribution of Responsibilities:** The actual implementation of responsibilities among partners was efficient, with respondents highlighting a sensible and fair distribution, though a couple of responses pointed to some areas needing improvement.
4. **Overall Quality of Results:** The overall quality of the project results was deemed excellent, meeting the set goals and objectives despite unforeseen challenges such as the COVID pandemic.
5. **Procedures:** Procedures met expectations, with management being proactive and adaptive to necessary rescheduling, reflecting a resilient approach to unforeseen challenges.
6. **Support:** Lastly, while support from the European model seems to have been beneficial, there is an indication that further support would have been welcome, particularly in terms of local resources and continuous partner collaboration.

Overall, the feedback indicates strong satisfaction with the management and outcomes of the project, despite some challenges which were successfully navigated through proactive measures and good coordination.

Management & Communication



- Exceptionally positive evaluations were given for the efficiency of management and coordination arrangements, with a score of 4.0.
- The circulation of information within the partnership and communication with partners also received high scores, suggesting effective management and communication.

○ Qualitative Analysis





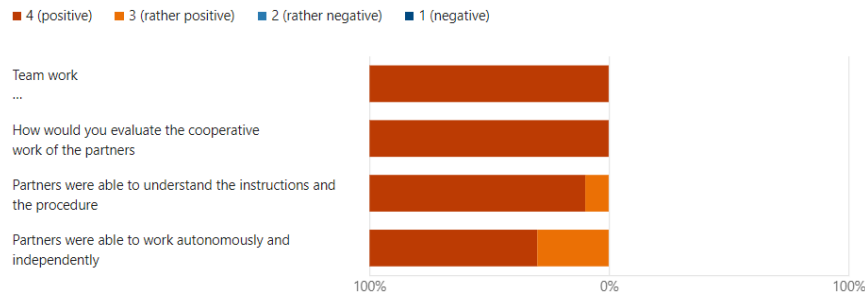
1. Financial Resources and Management: Some respondents flagged financial resources as a concern, citing insufficient funding, and issues such as the devaluation of currency affecting the project budget. However, the term "sufficient" also appears, suggesting that at least some felt the financial resources met the project's needs.

2. Channels of Communication: The communication among team members was conducted through various channels, including emails, Skype, Google+, and WhatsApp, and was described as "user-friendly" and effective. The usage of diverse and accessible modes of communication likely contributed to the team's ability to remain coordinated and efficient.

3. Support: When it comes to additional support needed, the responses are varied. While some indicated that no further support was required, suggesting a level of satisfaction with the resources provided, others mentioned technical glitches and the need for more stable management, hinting at areas where the project could improve.

In summary, while the project appears to have been largely successful, with effective communication and a high level of partner cooperation, there were some concerns regarding financial management and technical support that could be addressed to enhance the overall stability and resource availability for the team.

Team & Roles



- The teamwork and cooperative work of the partners were both highly valued, each scoring 4.0.
- This indicates a high level of collaboration and mutual support among partners.
- Understanding the instructions and the procedure also received a high score of 3.9, showing that partners were well-guided throughout the project.

○ Qualitative Analysis

- **Team Support and Cooperation:** Responses are overwhelmingly positive regarding the support and cooperation within the team. Words like "excellent" and "supportive" dominate, with specific mention of an effective orientation and initiative by the team leader. There's an emphasis on the unity and collaborative spirit among partners, which likely contributed to the project's success.
- **Communication and Motivation:** Despite cultural and language differences noted by some, the motivation to work and communication during the epidemic were reported as positive, highlighting the team's resilience and adaptability under challenging circumstances.
- **Instructions and Procedures:** Clarity in instructions and procedures was repeatedly mentioned, signaling a well-structured project framework. This clarity in guidance is crucial for ensuring that all team members are aligned and can carry out their tasks efficiently.
- **Understanding of Technology:** Responses suggest that while there were some difficulties in understanding new technologies and applications, the overall effect was

not detrimental to the project's progress. It seems the benefits of technology usage outweighed the challenges.

- **Difficulties and Effectiveness:** The difficulties faced by the project were acknowledged but were seen as manageable. Notably, the term "none" suggests that for some respondents, there were no significant obstacles, and the end results were effective.
- **Support Needed:** While some respondents felt that they received adequate support, others expressed a need for more technical support, experience exchange, and capacity building, indicating areas where future projects could improve.
- **Personal Learning and Satisfaction:** Most respondents felt they personally benefited from the project, which is a strong testament to the project's positive impact on its participants.

In summary, the project appears to have been managed effectively, with a strong sense of support and collaboration among team members. Challenges, particularly regarding financial resources and technology, were present but were not perceived as insurmountable. The project's ability to maintain clear communication and adapt to unforeseen circumstances, like the pandemic, has been notably effective. However, there is room for improvement in providing additional technical support and resources for capacity building.

As the project wrapped up, the final survey reflects strong positive evaluations across all major areas, with particularly high regard for the project's management, communication, and collaborative efforts. The excellent scores in these areas underscore the project's success in achieving its objectives and maintaining effective coordination and support among its partners.

10 Overview

The series of questionnaires, administered from November 2019 to May 2023, captured partners' perceptions and experiences at various stages of the project (every six months). This longitudinal feedback offers valuable insights into the consistency and evolution of the project's implementation quality, management effectiveness, and the collaborative dynamics among partners.

10.1 Progress & Direction

Across the project lifecycle, partners generally expressed high satisfaction with the project's strategic direction and execution. Early questionnaires highlighted positive evaluations of the project's objectives, activity planning, and division of roles, which improved over time. By the project's conclusion, partners felt that the project had successfully met its expectations, with particular appreciation for how well the project's procedures and outcomes aligned with initial objectives. This trend suggests effective project planning, adaptation to challenges, and a clear commitment to achieving set goals.

10.2 Management & Communication

Management and communication were consistently rated as strengths of the project. The efficiency of management and coordination arrangements received high scores, reflecting the project team's ability to facilitate clear and effective communication and problem-solving strategies. Despite a few concerns about financial resources in some phases, the overall feedback indicates a well-managed project that fostered an environment of open communication and trust among partners. The evolution of scores in this area underscores the importance of strong leadership and proactive communication strategies in project success.

10.3 Team & Roles

Feedback on teamwork and roles demonstrated strong collaborative dynamics, with high ratings for the cooperative work of partners and the supportiveness of the project environment. While there were occasional suggestions for clarifying roles and enhancing autonomy among partners, the general trend indicated an increasingly cohesive partnership. This cohesion was crucial for navigating the project's challenges and achieving its objectives.

11 Conclusions

Throughout the project duration partners consistently gave ratings for the management and communication aspects of the project indicating coordination and clear communication within the partnership. Of note were evaluations during the planning and execution phases of the project demonstrating satisfaction with its direction and overall outcomes.

Positive feedback was received in the progress and direction section indicating satisfaction, with the project team's performance adherence to responsibilities and overall project outcomes. The scores reflected an increasing level of contentment over time with how the project procedures aligned with expectations.

The comprehensive analysis of the questionnaire feedback reveals a project marked by effective management, strong strategic direction, and robust partner collaboration. These strengths contributed significantly to the project's success, ensuring that it met its objectives and delivered quality outcomes. However, the analysis also highlights the importance of continuous improvement in project management practices, particularly in areas such as financial planning, role clarity, and fostering independence among partners.

The management and communication aspect garnered scores throughout the project showcasing exceptional leadership, coordination, and effective communication practices. Partners noted the management style and the success of communication channels such as meetings and digital platforms as strengths of the project.

The teamwork within the project displayed dynamics with commendable teamwork and cooperative efforts among partners. While these aspects received marks there were suggestions for improvement in promoting independence and clarifying roles and responsibilities.

The project has received feedback indicating its success in achieving goals and creating a productive and supportive partnership environment. The analysis also shows the project's ability to adapt and respond to partner feedback contributing to its effectiveness.