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INOWASIA

WP4: Quality Control

M24 - Quality Report

**Project Title: Development of innovative multilevel
formation programs for the new water leading
professionals in South East Asia**

Project acronym: INOWASIA

Project Number: 619225-EPP-1-2020-1-ES-EPPKA2-
CBHE-JP

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Content

1. BACKGROUND	5
1.1 Introduction	5
1.2 Timeline	5
2. GENERAL EVALUATION OF THE PROGRESS OF THE PROJECT	6
3. EVALUATION OF THE PROGRESS BY WORK PACKAGE	7
3.1 WP1: PREPARATION	7
3.2 WP2: Development I: modular curriculum development and teaching capacitation	7
3.2.1 PBL training Questionnaire	7
3.3 WP3 M Development II: Implementation of the modules and water living labs in PC's HEI Campus	10
3.4 WP 4: Quality Plan	11
3.4.1 QA Plan Evaluation	11
3.5 WP 4: DISSEMINATION & EXPLOITATION	12
3.5.1 Project Website and Dissemination Material	12
3.5.2 Dissemination and Communication Plan	14
3.5.3 Field Visits / Workshops during Inowasia Project meeting in Spain	16
3.5.4 Field Visits / Workshops during Inowasia Project meeting in France	17
3.5.4 Field Visits / Workshops during Inowasia Project meeting in Vietnam	18
3.6 WP6: Project management	20
3.6.1 Project Management meetings KOM	20
3.6.3 Interim Questionnaire M12	22
3.6.4 Third Biannual Consortium Meeting in May 2022	28
3.6.5 Fourth Biannual Consortium Meeting in November 2022 (Vietnam)	30
Annexes	33

1. BACKGROUND

1.1 Introduction

This report is the third quarter of twenty-four months from the start of the project in January 2021 to January 2023. It will be re-produced and updated during the project’s lifetime. This report is made as the internal evaluation which is part of the Quality Assurance Plan. Finding results of the evaluation was derived from the information with comments provided by all partners of this project. The information has been collected through different surveys.

The report is structured in three sections.

- The first one provides a general overview of the progress of the project. It also gives information on what partners think is working well and what needs to be improved.
- The second section analyses the progress of each Work Package (WP). First with a short description of what has been accomplished. It also reevaluates the progress of the WP through the analysis of the achievement of the tasks and deliverables expected and at what time both have been achieved. This allows to be aware of any delays and take the necessary measures to mitigate its effects.
- The final section is the conclusion of the report and some recommendations. Being this an intermediate report, the conclusions are intended to help keep the project on track and improve any aspect that can help make this project successful.

1.2 Timeline

All partners of the INOWASIA consortium agreed to follow the timeframe indicated below for the successful accomplishment of all QA internal procedures:

Nº	Title	Month	Survey/ Draft	Due date/ Final Report
1	Monitoring Evaluation Plan (D4.1)	2-4	April 2021	2023*
2	Trimonthly technical reports (D4.2)	3.6.9.12.15.18.21 24.27.30.33.36	January 2021	January 2024
3	Monitoring and Evaluation Report 2 (D4.3)	12.24.36	January 2022	January 2024

Table 1: Quality plan results expected

**To be updated throughout the project life cycle*

2. GENERAL EVALUATION OF THE PROGRESS OF THE PROJECT

According to the activities described in the project proposal, those to be done by Month 21 are:

WORK PACKAGE		Due date	Date finish	Leader/Coleader	Status
WP2: Development I		15/04/2021	14/07/2022		
2.1	Develop academic content and structure	15/04/2021	15/01/2022	ITC/ Co- UdG	Done
2.4	Start of the Accreditation procedures	15/08/2021	15/01/2022	ITC/ Co- UdG	Done
2.5	Academic teacher training and mobility	15/08/2021	15/07/2022	ITC/ Co- UdG	Done
WP3: Development II		15/01/2022	14/01/2024		
3.1	Implement the master programme: academic modules	30/10/2023	14/01/2024	CTU / co - UTIII	Ongoing
3.4	Monitoring	14/01/2024	14/01/2024	CTU / co - UTIII	Ongoing
3.5	Continue the Master accreditation procedure	14/01/2024	14/01/2024	CTU / co - UTIII	Not started
3.7	Implementation of living labs in the PC HEI Campus	14/05/2023	14/01/2024	CTU / co - UTIII	Not started
WP4: Quality Plan		14/02/2021	14/01/2024		
4.1	Define and implement a monitoring and evaluation plan	15/02/2021	15/05/2021	NUOL/ Co- WUSMED	Done
4.3	Project quality control reports	15/03/2021	14/01/2024	NUOL/ Co- WUSMED	Ongoing
4.4	External evaluation	14/01/2022	14/01/2024		Ongoing
WP5: Dissemination & Exploitation		15/01/2021	14/01/2024		
5.2	Dissemination campaign	14/02/2021	14/01/2024	IRD/ Co- SU	Ongoing
5.3	Local dissemination events	14/03/2021	14/01/2024	IRD/ Co- SU	Ongoing
5.4	Planning for sustainability	14/01/2022	14/01/2024	IRD/ Co- SU	Not started
WP6: Management		15/01/2021	14/01/2024		
6.3	Financial and administrative management	14/01/2022	14/01/2024	UdG/ Co- VNU	Ongoing
6.4	Management of project progress	15/02/2021 ; 15/07/2021 ; 15/02/2022 ; 15/07/2022	15/02/2021 ; 15/07/2021 ; 15/02/2022 ; 15/07/2022	UdG/ Co- VNU	Ongoing

Table 2: Project workplan

3. EVALUATION OF THE PROGRESS BY WORK PACKAGE

3.1 WP1: PREPARATION

This work package covers research, analysis, and other preparatory activities for the establishment of the knowledge base for the modular formation programs in Cambodia, Laos and Vietnam.

The evaluation of this WP is included in the M12 quality assurance report in the management part.

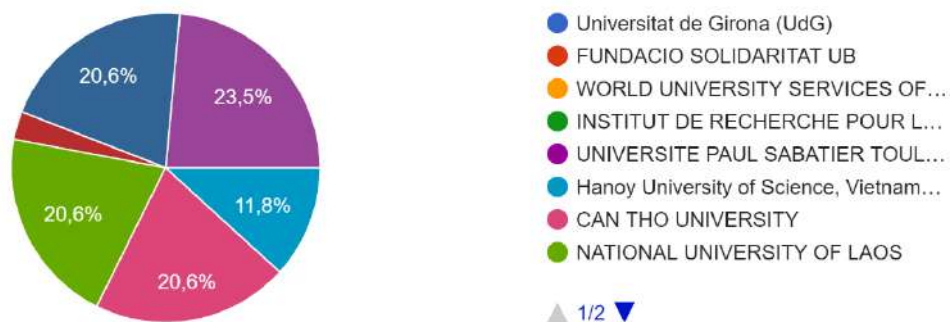
3.2 WP2: Development I: modular curriculum development and teaching capacitation

This work package aims to develop the co-design of the academic content of the modules and the potential structure in each participating universities covering student mobility, specific formation for (1) Asian academics and selected students in problem-based learning (PBL), (2) Asian academics on the innovative water technologies and concepts, monitoring activities, as well as the validation of the methodology. In order to evaluate it, the following questionnaires have been done:

3.2.1 PBL training Questionnaire

On March 22nd, 2022, the problem-based training was conducted and held by University of Girona. The goal was to provide the understanding of the methodology to the participating lecturers from each Asian university partners so that they can apply it further to students and teachers. After completing the training, participants evaluated their understanding. The evaluation results point-by-point are as follows:

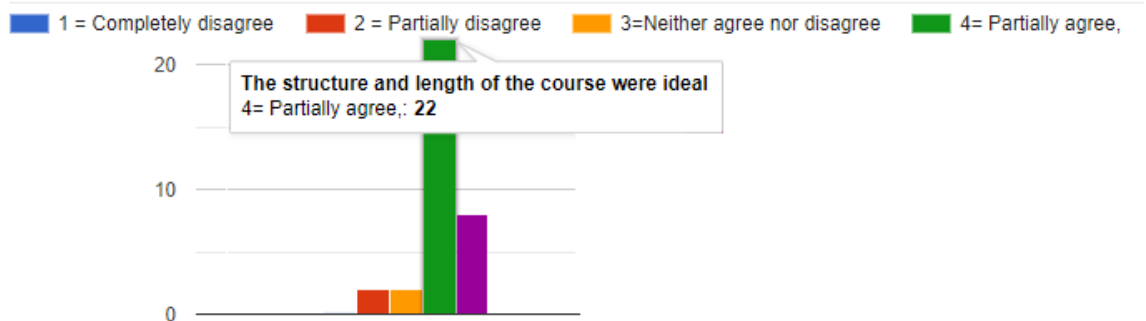
- The PBL training interested a lot of participants among the European and Asian partners. Totally, there were 34 participants from different partners that joined the training.



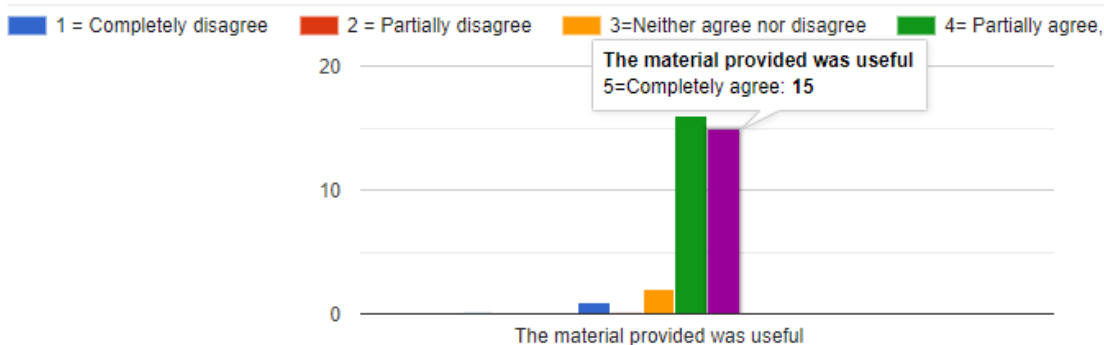
- Regarding the PBL training, most of all trainees are interested as they found it is useful for their professional carrier.



- The PBL training was carried out for 2 hours with the structured contents so most of all trainees were happy with it.

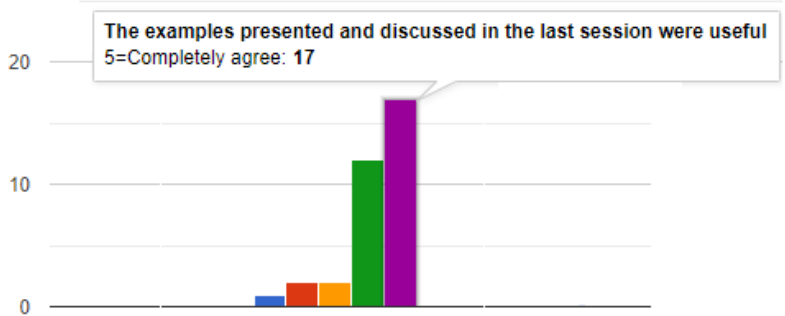


- Regarding the PBL training materials, it was very useful. Most participants agreed with it a lot.



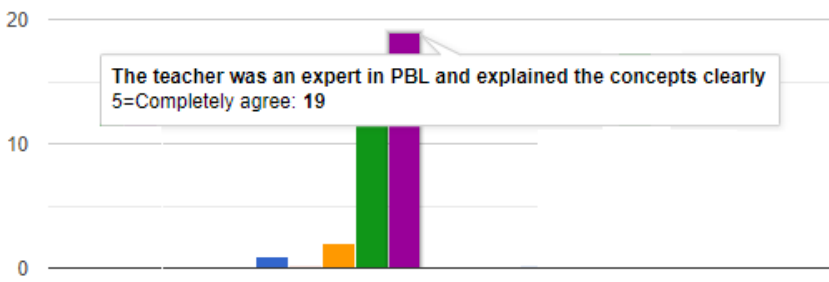
- In the PBL training, the examples presented and discussed in the last session were found very useful to the participants.

1 = Completely disagree 2 = Partially disagree 3=Neither agree nor disagree 4= Partially agree, 5=Completely agree



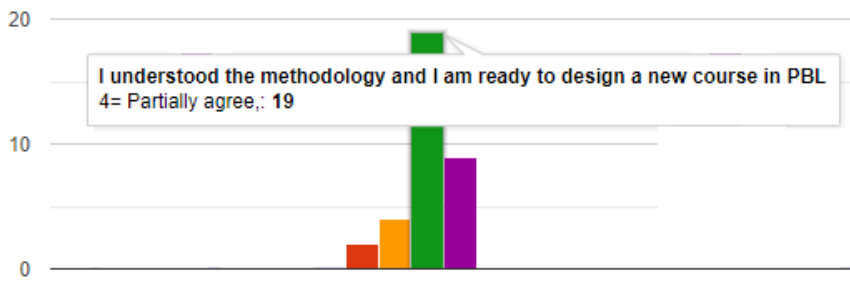
- Trainer of the PBL training expertise in the methodology and concepts. Most participants found that the teachers explained the concepts clearly.

1 = Completely disagree 2 = Partially disagree 3=Neither agree nor disagree 4= Partially agree, 5=Completely agree



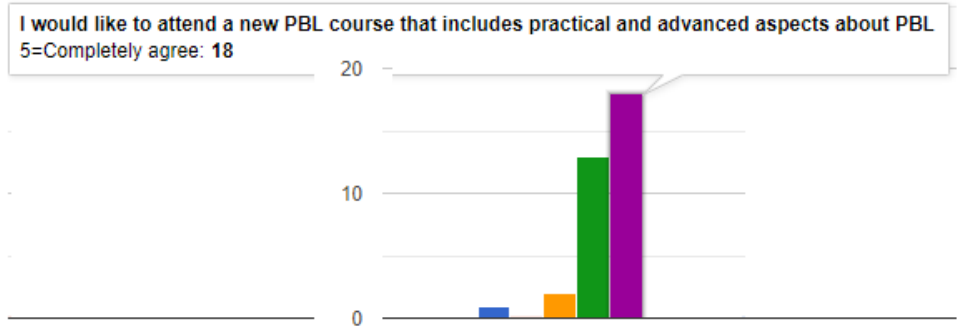
- Most of participants understood the methodology and are ready to design their new course in PBL.

1 = Completely disagree 2 = Partially disagree 3=Neither agree nor disagree 4= Partially agree, 5=Completely agree



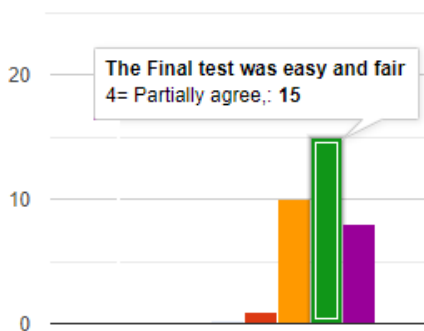
- The enhancement of the participants’ understanding the PBL methodology, a new course in PBL that includes practical and advanced aspects about PBL is important. In this regard most of the participants showed strong interesting to participate.

1 = Completely disagree 2 = Partially disagree 3=Neither agree nor disagree 4= Partially agree, 5=Completely agree



- After completing the PBL training, the participants were given a test with some questions. More than 50% of participants found this test that it was easy and fair for testing their understanding.

1 = Completely disagree 2 = Partially disagree 3=Neither agree nor disagree 4= Partially agree, 5=Completely agree



In summary, this PBL training formation was very good and very useful for teachers who found that even though there are a few participants that found difficulty in applying the PBL to their majors/teaching subjects, they found it was their great opportunity to learn more. This training engages the coordinator to continue on this line offering free trainings to all partner consortium.

3.3 WP3 M Development II: Implementation of the modules and water living labs in PC’s HEI Campus

This work packages cover the implementation of (1) the modules in the existing Master and/or PhD programs in each participating Cambodia, Vietnam and Laos universities, (2) student mobility, monitoring activities as well as the validation of the methodology and (3) water living labs in the South East Asian IHE campus in order to evaluate it the following questionnaires has been done:

Not started yet

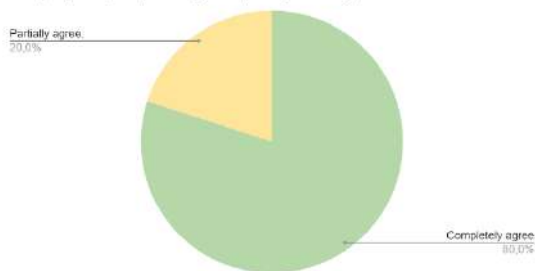
3.4 WP 4: Quality Plan

The objective of this work package is to establish criteria, tools and procedures for monitoring and evaluating the project in terms of both processes and outputs. Therefore, this WP covers the monitoring, evaluation activities according to quality criteria established for key elements of each WP to ensure the quality of the project activities. From this work package, there have been completion of different deliverables:

- (1) Trimonthly Interim Evaluations Report (month 3,6, 9)
- (2) The first draft of Quality Assurance Plan (1st QAP). It was expected to be completed by the end of April 2021. The 1st QAP was evaluated by all partners for comments, and it was then revised as final version and approved by steering committee for its implementation throughout the project lifetime

3.4.1 QA Plan Evaluation

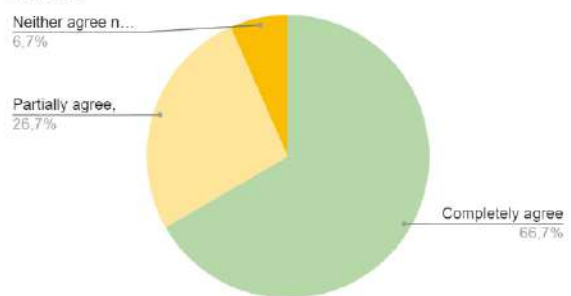
The plan is drafted based on the nature and requirements of EU projects, respecting the quality management



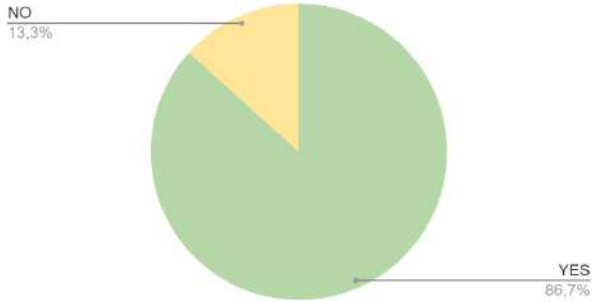
In June 2021, the Questionnaire for Quality Assurance Plan Evaluation was sent to all partners. In terms of clarity of presentation of the plan, about the adequacy to the requirements and specifications of the commission and proposal based on the requirements of EU projects regarding the quality management 80% of the partners agreed and completely agreed on these statements.

The overall content of the plan was evaluated in a very positive way as well-organised; the procedures were evaluated by the most as clearly explained and by few to be improved. Majority agrees that disclaimers and logos are included on every deliverable and WP. Deliverables actions can be improved for some partners that demand specific help.

Appropriate quality management/ quality assurance actions are utilised for each deliverable



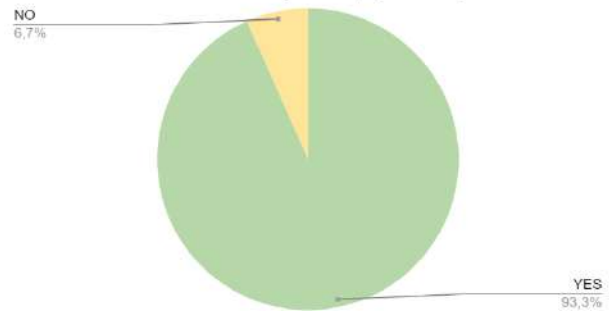
Appropriate revisions were made to the plan throughout the project's life-cycle in accordance with specific needs that emerged



According to different indicators, all partners agreed that the public plan to all partners and the specific dimensions were presented explaining the different aspects of the project that will be evaluated. Despite two members consider that the plan was not revised, the rest of the partners agreed on the appropriate revisions were made to the plan throughout the project's life-cycle in accordance with specific needs.

In general, all partners agreed that the quality management/ quality assurance was explained in order to be assessed throughout the project's life cycle and reach the expected indicators explained in the application form.

Evaluation questions were provided to explain how quality management/quality assurance would be assessed throughout the project's life-cycle



3.5 WP 4: DISSEMINATION & EXPLOITATION

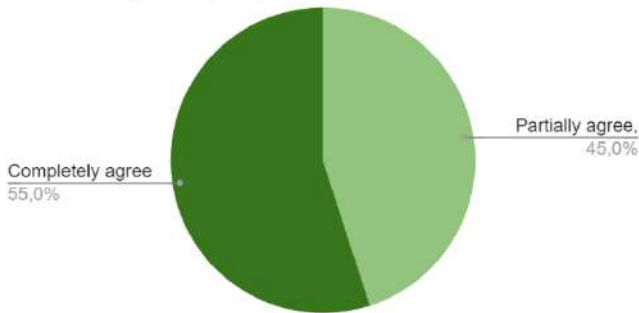
This work package covers all dissemination activities and exploitation of results for ensuring the sustainability of the project and activity implementation success, which will permit spreading the methodology around Asia. In order to evaluate it, the following questionnaires has been done.

3.5.1 Project Website and Dissemination Material

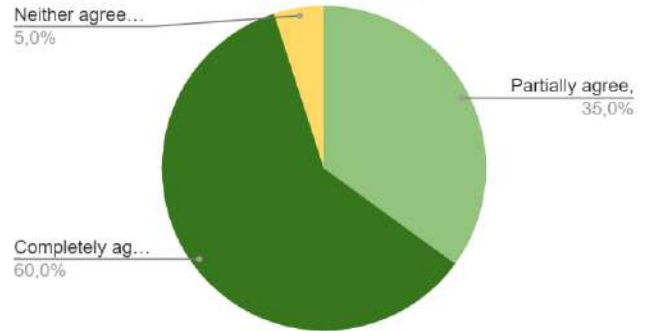
During November 2021, partners were asked to evaluate the evolution of the website and the dissemination material once the project progress to the end of the first year. The evaluation results are as follows:

Fifty-five percent of Partners agree that the website meets its defined objectives 60%. However, 45% of partners partially agreed. In terms of project website organization, most partners gave aesthetically pleasant in general.

The website meets its intended objectives as defined by the project

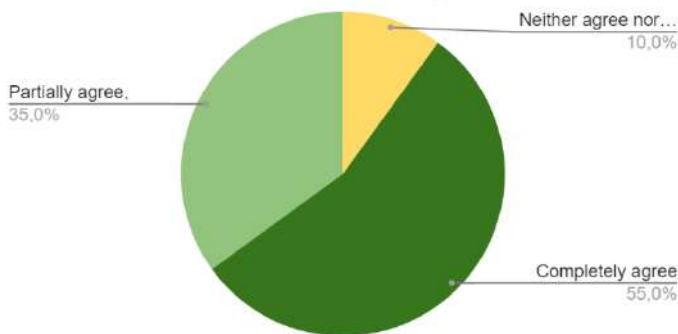


The project website is well-organised

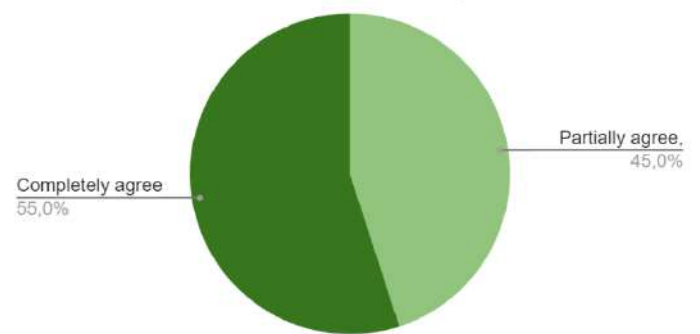


The quality and quantity of the material and information shared on the website was highly satisfactory although the quantity could be improved suggested by some partners.

The quantity of the project material and information shared is satisfactory

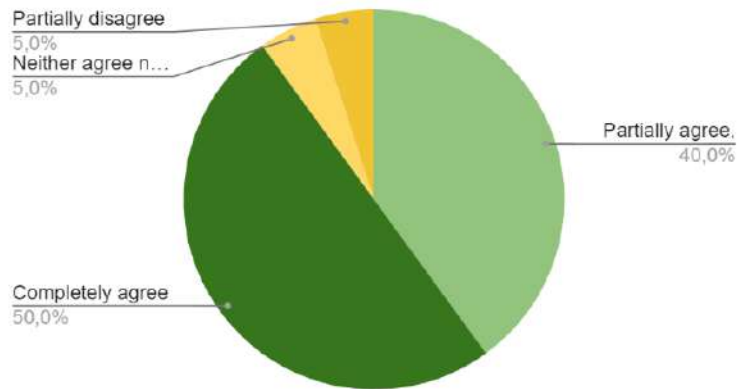


The quality of the project material and information shared is satisfactory

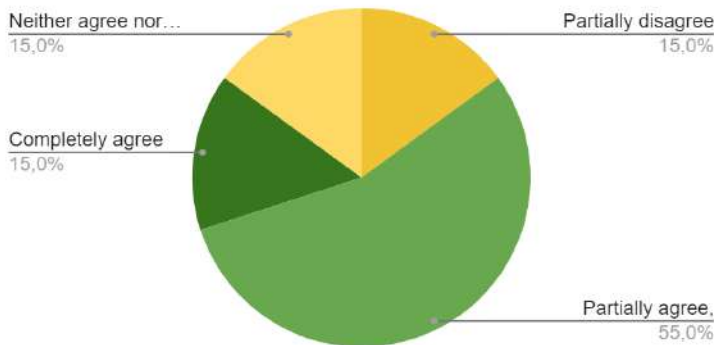


When asked to evaluate the facility to locate information, most of the partners agree it is easy to find. For this one which is partly agree or neither agree we understand that cases, some partners found difficulty in access and improvement is needed. In general, the Website was easy to navigate by more than 65% of the partners.

Information can be easily located



The project website was updated regularly by all partners



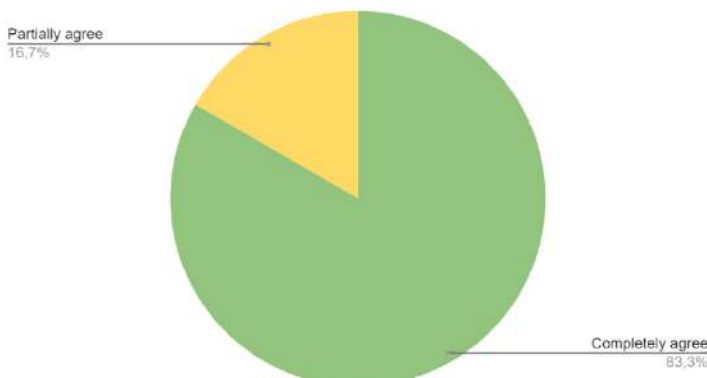
Finally, when asked about the updates made by all partners regularly there have been scattered responses, which leads to improvement at this section due to more collaboration from all partners. Logos and Disclaimers included were well perceived by the most of partners.

3.5.2 Dissemination and Communication Plan

During June 2021, a questionnaire was sent to all partners to evaluate the dissemination and communication plan and the evaluation results are as follows

Around 80% of the partners believe that the scope of the project dissemination plan is clearly presented, meets its intended objectives as defined by the project and the tone and writing style are appropriate for the intended audience.

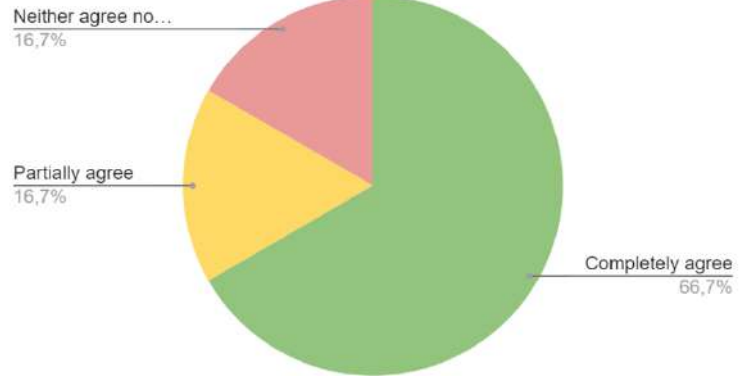
The purpose/scope is clearly presented



Regarding the structure of the plan, most partners agreed that the content is well-organized however it is important that a revision with the dissemination leader and coordinator has to be done.

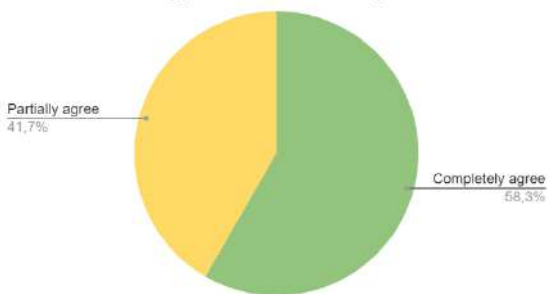
Partners highly agreed that Ideas and issues related to the main points presented are thoroughly discussed and the methodology followed is clearly described.

The overall content is well-organised

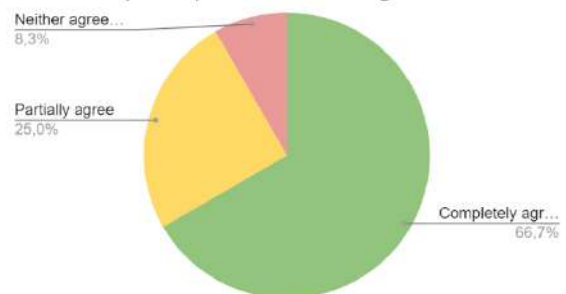


Partners agreed that appropriate solutions and recommendations are presented, and the arguments and ideas and clear evidence have been provided. Regarding the participation in meeting discussions by all partners, A few partners suggested for improvement. However, the results unveiled that there is very good participation in general.

The methodology followed is clearly described



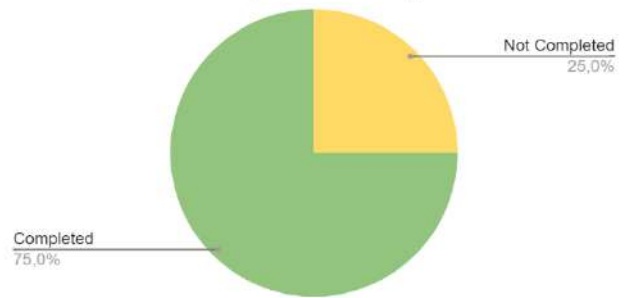
Partner's participation in meeting discussions



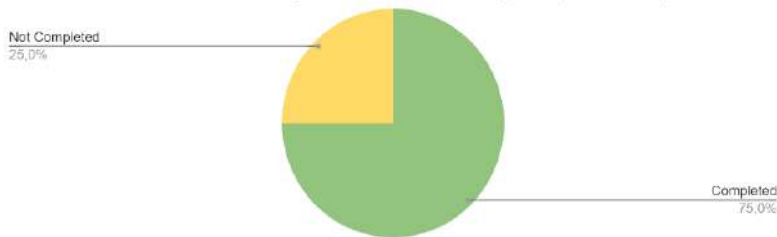
When asked to evaluate the requirements and specifications of the commission and the proposal, most partners agreed the plan is formatted accordingly and the logos and disclaimers are included.

Regarding the dissemination and sustainability plan of the project, being decided and made public to all partners there is a division of opinion and it reflects that it can be improved by controlling and providing it to the rest of partners. Most of the partners have received the strategic dissemination and sustainability plan.

A strategic dissemination & sustainability plan was drafted and explained to all partners



The dissemination & sustainability activities were adequate for each dissemination & sustainability level as specified by the partnership



The timeframe to complete the activities was difficult to be accomplished by most partners. On the other side, most of them agreed that the activities were appropriate for the key target groups and in line with the scope and objectives of the project. In general, all the activities were evaluated adequate for each

level specified by the partnership.

The objects for each subsector were developed successfully and effectively defined by all partners. In contrast, the communication channels and modalities were appropriate according to the majority of the partners. Regarding the requirement agreed for dissemination on each partner level, it is reflected that more than half have not completed it yet.

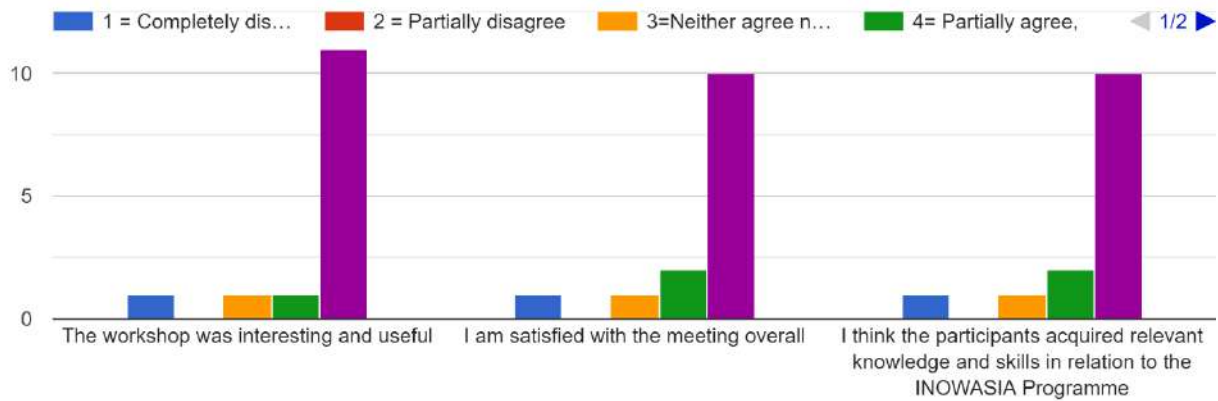
Finally, it is noted that the strategy to monitor the dissemination progress needs to be improved and it could include all the target languages.

3.5.3 Field Visits / Workshops during Inowasia Project meeting in Spain

During the project meeting held in May 2022 in Spain, there were different activities organized by University of Girona on the field. First visit was to Water Treatment Plant of Barcelona in Sant Joan Despí described as the most technologically advanced in Europe. Second visit was to the Catalan Institute for Water Resource (ICRA) at Parc Científic I Tecnològic de la Universitat de Girona. The last visit on the field was at Wastewater treatment plant of Empuriabrava EDAR managed by the Costa Brava Consortium.

A related questionnaire was sent to all partners to evaluate these activities. Participants found activities interesting and useful and recognized they had gained lots of relevant knowledge and skills as well as getting connection with researchers for future collaboration. The participants also have experienced with the practice in problem-based learning (PBL) methodology. Most participants will transfer their achieved knowledge to their students and colleagues, particularly in their teaching activities.

Overall Satisfaction



3.5.4 Field Visits / Workshops during Inowasia Project meeting in France

Following the meeting and visits in Spain, partners headed to France and first visit on the field was to Eco&Sols at SuperAgro campus where we had the opportunity to participate at a Living Lab workshop in their garden. Biofunction tool kit and demonstration were presented in this activity. Next visit was at Agropolis campus about quality control of biofilm and clogging sensors and irrigated agronomic trials and Hydraulic hall were visited as well. The next day Vineyard Living Lab was visited on the morning and on our way to Toulouse we had the opportunity to visit Neotera, a sustainable cellar focused on reusing treated wastewater for agricultural irrigation. On the last days in Toulouse different Labs were visited related to water management, filtration and electrochemical processes, biology and advanced oxidation and membrane filtrations.

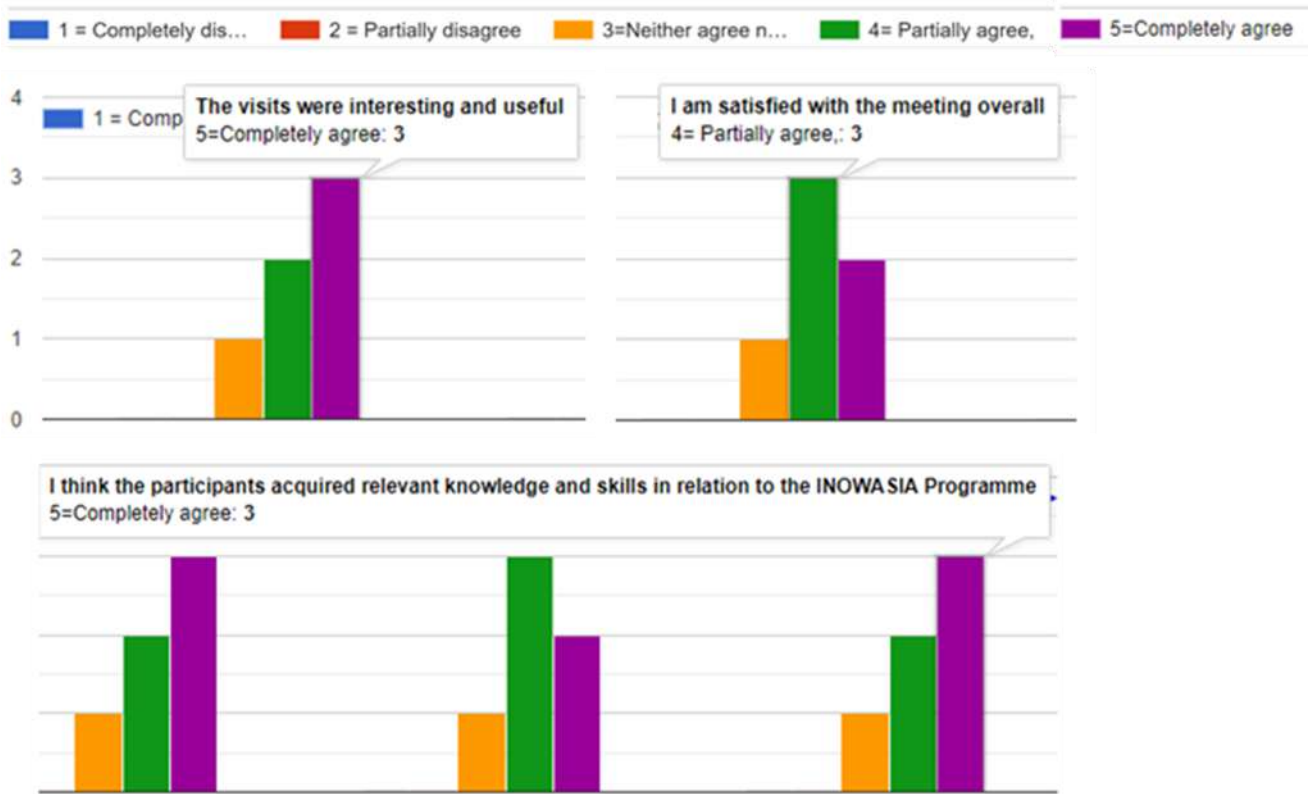
The evaluation results show that the diverse activities were interesting and useful as all partners agree. Most of participants were satisfied with the meeting. Furthermore, it was found that relevant knowledge and skills in relation to the INOWASIA Program are required to the participants, particularly the Asian partners.



3.5.4 Field Visits / Workshops during Inowasia Project meeting in Vietnam

3.5.4.1 Field Visits / Workshops during Inowasia Project meeting in Can Tho

Following the meeting and visits in Vietnam, partners headed to the National University of Can Tho in Can Tho City in the southern part of Vietnam.



The evaluation results for the Field Visits during INOWASIA's project meeting in Can Tho, Vietnam

Most of participants were very interested in this visit and information gained was very useful. From the workshops, visits, living labs, the participants have learnt about (1) the water resources situation in Vietnam, (2) International conference and sightseeing, (3) ideas with a different location, (4) the related ongoing research work to Inowasia, (5) opportunity meeting with external partnerships, (6) water management.

The participants expressed their actions they will take as the of what they learned as follows:

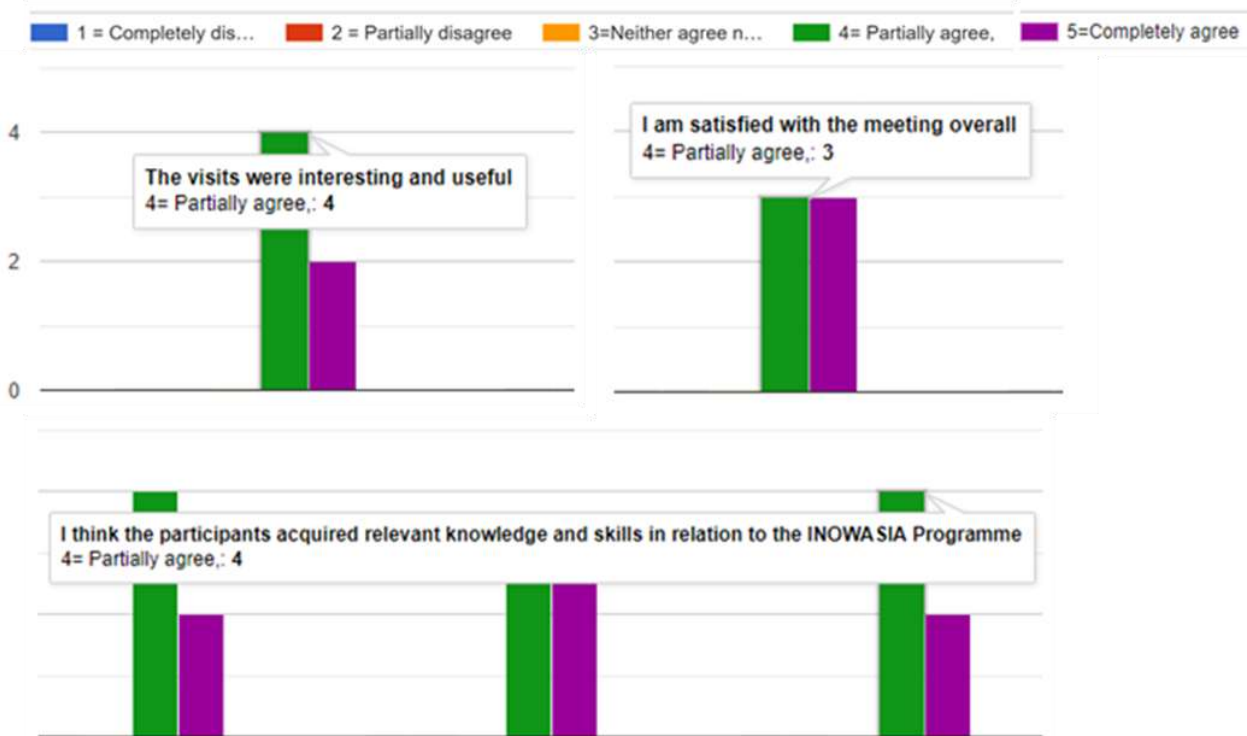
- material for the courses
- Workshops and organizing agenda and place for visits.
- Get more understanding of the activities of the project
- Networking for further opportunities
- Better understanding of the CTU team involved in INOWASIA.
- Disseminate.

Participants' opinions, recommendation and improvement about the activities are.

- The partner must understand and report the activities the result and the problem.
- The agenda was not enough discussed before the meeting.
- Arrange activity with clear objective. Keep in time.

3.5.4.2 Field Visits / Workshops during Inowasia Project meeting in Ha Noi

Following the meeting, field and Living lab visits in Can Tho City, the activities were carried out in Ha Noi City organized by Vietnam National University (VNU) partner. The participants very satisfied on the activities with gaining knowledge and skills related to the INOWASIA programme.



The evaluation results for the meeting, Field and Living lab Visits during INOWASIA's project meeting in Ha Noi, Vietnam

What the participants had learned from the workshops, visits, living labs are:

- Situation in Vietnam about water issues
- Living labs and visits.
- Wastewater treatment plan
- Living lab site and system set up.

Their actions the participants will take as a result of what you learned on these activities / workshops are:

- better teaching material
- Living Labs and visits.
- The activities and workshops cannot be final of the equipment and different condition role of country policy and regarding the inflation
- Pilot in our own campus
- I have taken contacts with several new APC members and new opportunities of research collaboration raised.
- improve our living lab

Participants' opinion, recommendation, and improvement about the activities are:

- The partner must find a sample demonstration not so far and almost that we take a long journey
- The agenda should be better fixed before the meeting.
- the living site should show a sight of our project with short description of the living lab objective.

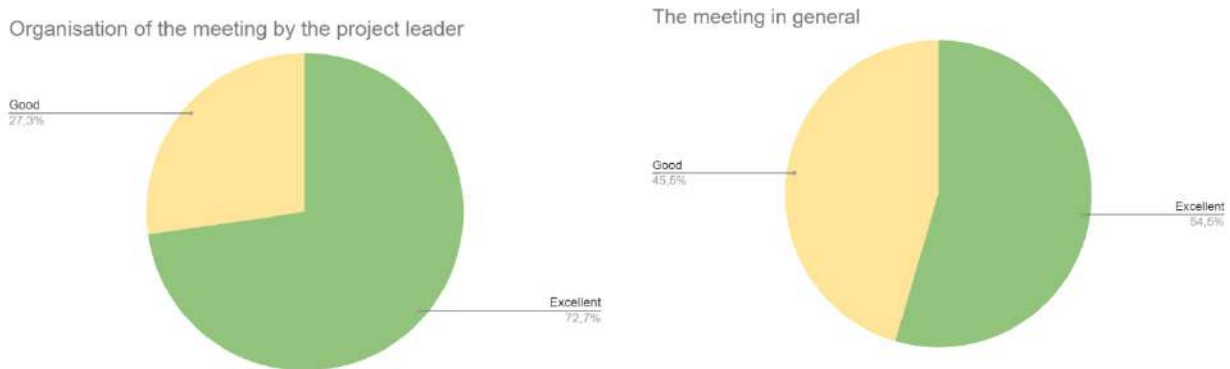
3.6 WP6: Project management

This WP covers all project activity management with its objectives to (1) ensure the overall progress and timely delivery of the planned project activities, (2) coordinate the consortium within an effective management and communication mechanisms, (3) periodically control the financial expenditures of the project consortium and report the project progress to the EU Project Officer.

3.6.1 Project Management meetings KOM

The Kick Off Meeting was taken placed virtually (Due to COVID – 19), on February 26th, 2021. From the main indicators asked for, the most relevant one had a very good satisfaction. In general, over 50% valued the meeting excellent, followed by 45,5% good. Regarding the meeting agenda, partners gave same results.

As main important point, partners evaluated the overall organization of the meeting by the project leader as excellent and good.



For the improvement of specific issues all partners gave through their answers include (1) participation and communication among partners, (2) clarifications with responsibilities for each partner (to do list), more and (3) some minor issues regarding time control, internet connection from some partners and ambient noise.

It would be due to the interruption of COVID – 19 on the face-to-face meetings, not all questions could not be answered by a few partners. Regarding this, the coordinator could avoid it by arranging smaller meetings with country partners, particularly a representative member who is in charge on this matter, to the level of preparedness by each partner or ask to the leading partners to send a list with the main issues to be discussed during the meeting.

On the other hand, partners agreed about the good organization of the meeting, the good communication among the participative partners, which ended-up with a good discussion about better approaches to the development of innovative multilevel formation programs for the new water leading professionals in South East Asia.

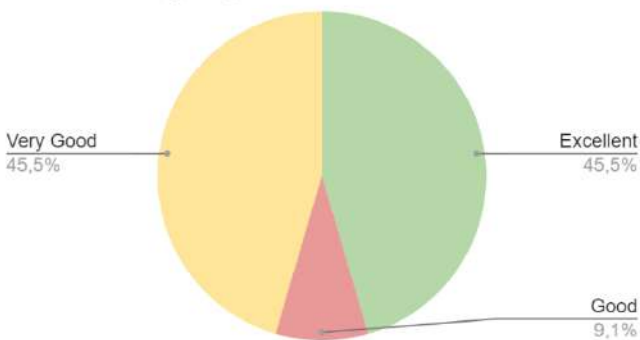
Finally, the questionnaire gave open questions aiming at having suggestion for improvements. It was suggested that a minute for the coordinator would be highly appreciated, and open questions at the end of the meetings could be opened despite it was also offered in this KOM.

Last but not least, partners mentioned that face-to-face meeting are much needed in order to understand better and solve doubts. Some have concerns about the budget.

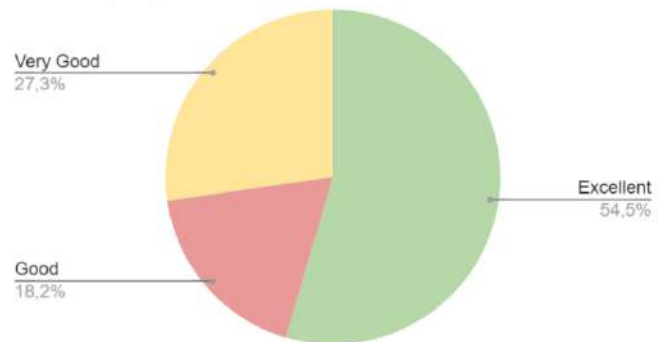
3.6.2 September consortium meeting evaluation

In September 2021, the Consortium Meeting was held. The Evaluation of this meeting was implemented by sending a questionnaire survey to all consortium partners. The evaluation results unveil the very good and

The meeting in general



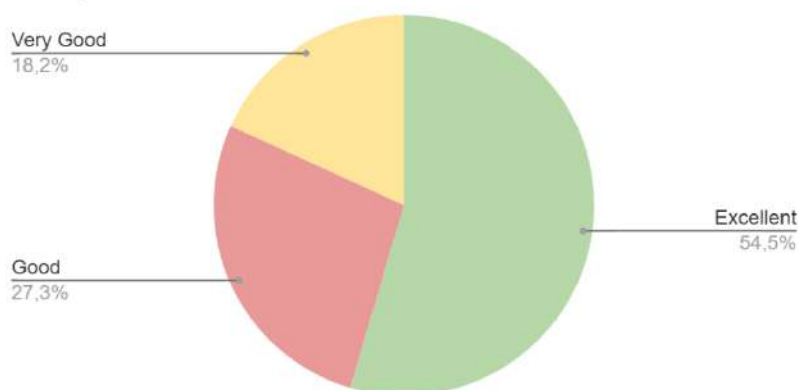
Meeting agenda



excellent perception of the meeting and the agenda.

The overall project management and the information provided to complete the work packages were rated with the excellent and very good range, demonstrating a great satisfaction to project coordinator. In addition, partners are very satisfied with the communication channels including e-mails and website, and further face-to-face meetings are expected.

Clarity of project aims, objectives and work to be completed



Most of partners highlighted efficiency, clear descriptions and activities, good participation of partners and good communication between coordinator and partners. In contrast, a few partners mentioned that more

participation from some partners are needed for improvement; receiving the material in advance are required, and more leadership from other partners and dissemination should be improved.

The improvement proposed by some partners are (1) more participation and proactivity from some partners, (2) more leadership and meetings with HEI partners to understand and make clear the activities, reminders for deadlines, (3) more communication and discussion between WP leaders and coordinator. Furthermore, it was suggested that the face-to-face meetings could help very much on implementation and understanding.

Despite some points that the partners need to improve, the general feeling is that the project has come a long way despite the global situation regarding Covid-19 and its difficulties.

Regarding internal concerns, it should be highlighted that the involvement of target groups to answer questionnaires was hard to reach the expected number of answers.

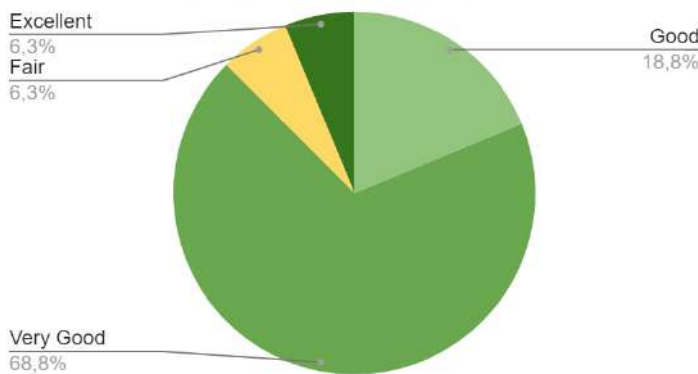
3.6.3 Interim Questionnaire M12

This general evaluation has been made with the following interim questionnaire M12.

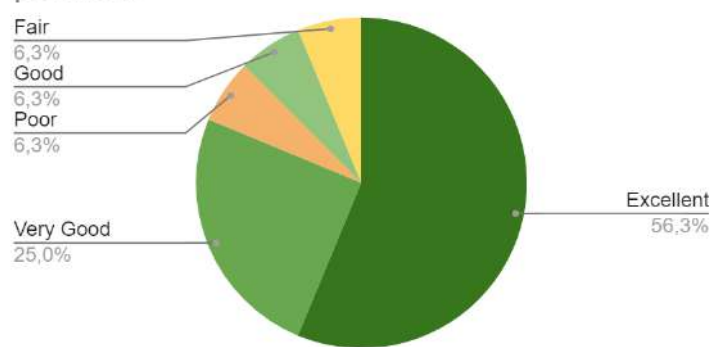
On January 2022, all partners answered an Interim Questionnaire about the progress of the project once the first year has finished. 93,9% of the partners agrees the progress of the project it is going between excellent and very well. The clearness of the structure was also highly evaluated.

In terms of feedback provided by the project management to partners, for some partners it could be improved despite by most of them is excellent and very good.

The overall progress of the project

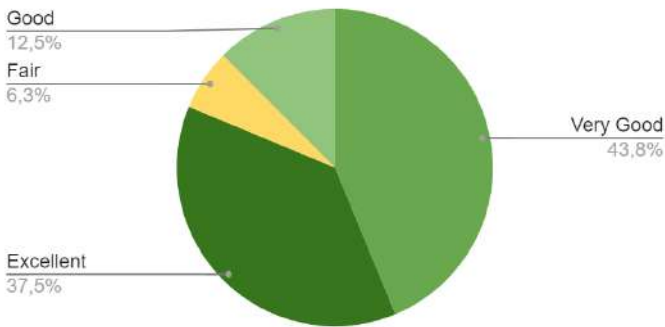


Project Management provides feedback to partners

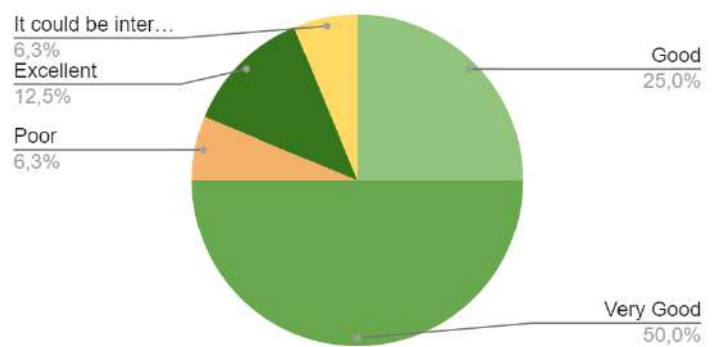


Regarding financial aspects, the majority of the partners agree it is well explained and the information needed to complete WPs is clear and timely in most of the cases despite it could be improved in few cases. 93,8% of the partners agree the agendas and reports are clear and well-organized.

Meeting agendas and reports are clear and well-organised

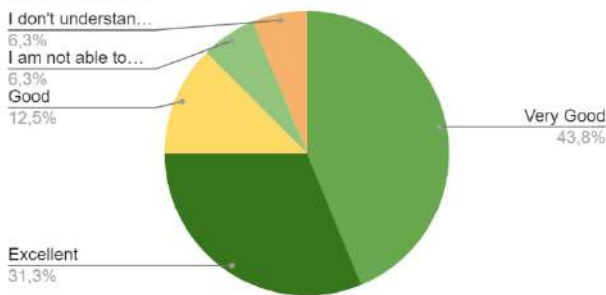


Information, needed to complete work packages, is clear and timely

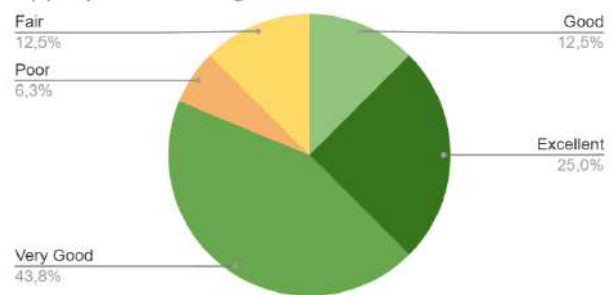


Appropriate strategies have been created in order to maintain the involvement of the partners which was evaluated as fair and poor for the 18,8% despite the 81,2% agrees it is very good and excellent. This brings to the conclusion that some improvements have to be made in order that all partners are involved. It is noticed that some partners do not understand the management structure and the involvement required from them and specific attention to them could improve everyone's understanding and involvement.

Feedback from management structure is appropriate

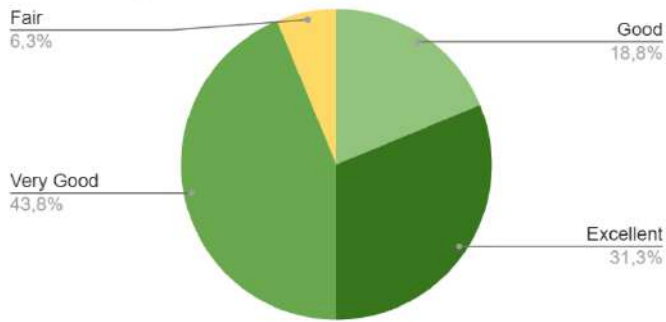


Involvement of partners is maintained through appropriate strategies

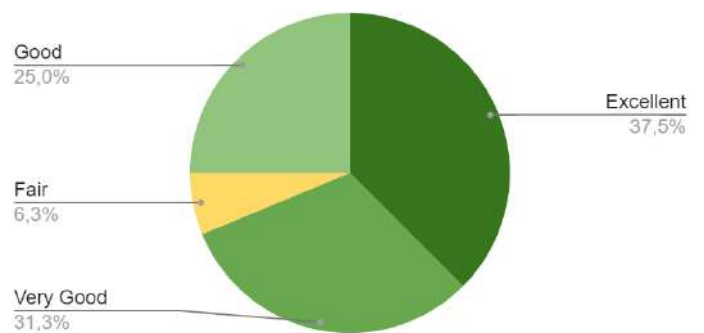


In terms of communication channels effectiveness and fluency, the majority of the partners evaluates it excellent and very good, which means there is very good communication between partners and the target groups.

Communication (e-mails and website) is fluent and timely

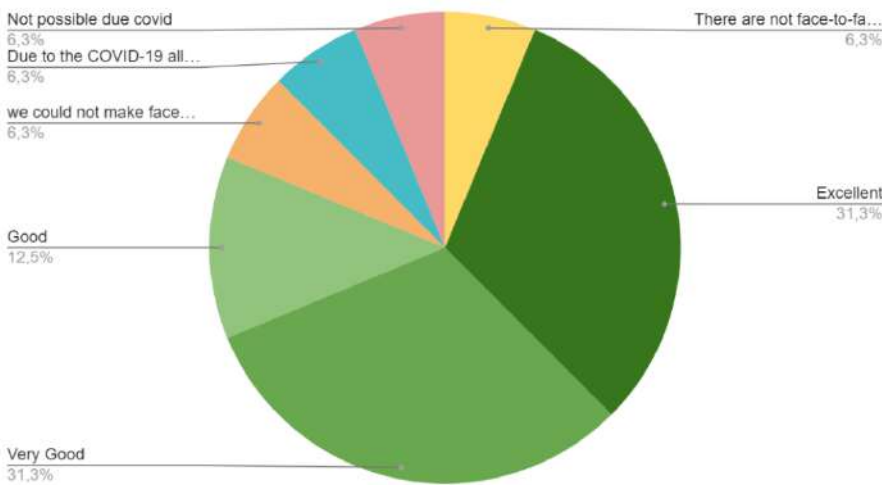


Channels of communication are clear and effective.

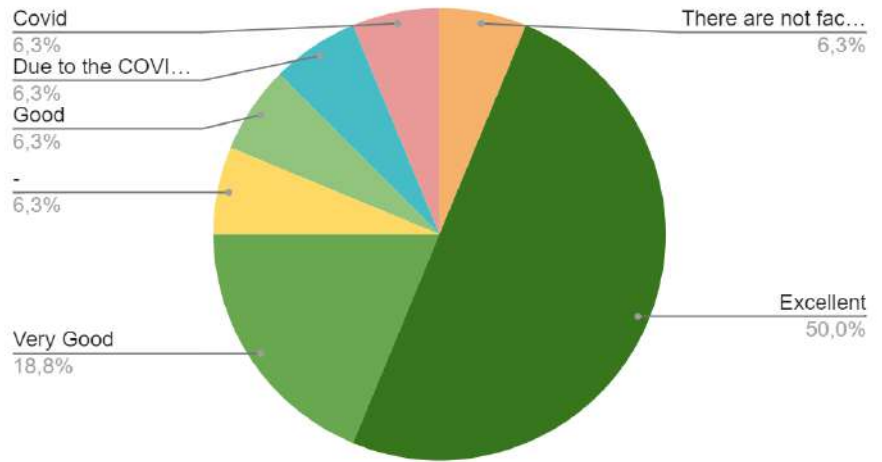


When asked about the face-to-face meetings, the agendas were evaluated excellent and very good despite the concern of many partners about the Covid-19 situation that did not allow face-to-face meetings to take place. Even so, face-to-face meetings have been well evaluated with the growing need in mind to be held soon so that some points are clarified and easier to understand for some partners, especially for whom require more clarifications.

Face-to-face meeting agendas are clear and timely

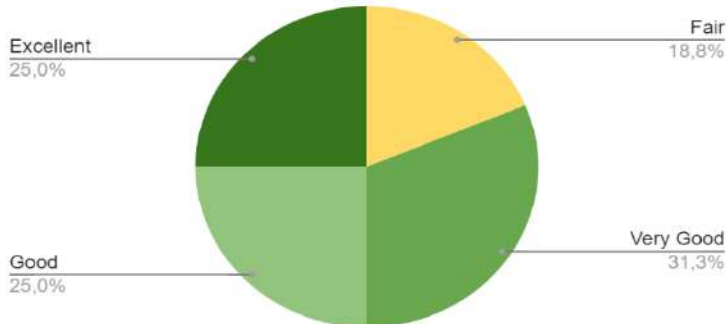


Face-to-face meetings are useful



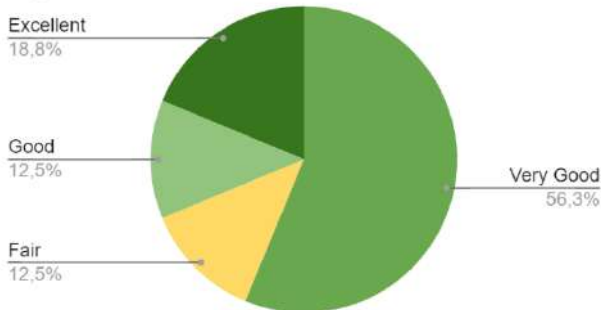
In general, all partners agree the management steering is clear and the deadlines of the work plan are met despite according to some partners it could be improved to reach Excellency.

Work plan deadlines are met through clear management steering

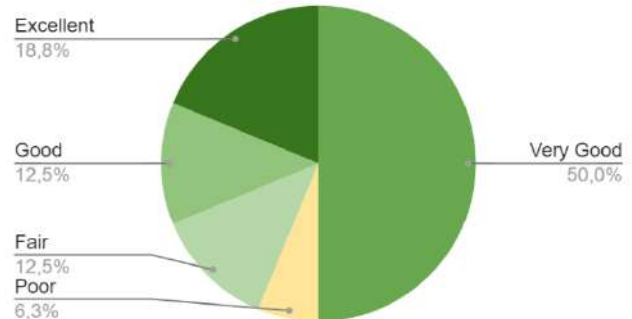


Evaluating the contribution of all parts involved in the project, the coordinator’s contribution is highly valued; oneself contribution is very good and to some extent could be improved, similar as others partner contribution which could be higher too.

My own contribution



Other partners' contribution



In terms of strengths, next areas were mentioned: management, financial, training, communication and dissemination, partner involvement and well organization and coordination.

About the challenges and difficulties experienced, it is mentioned: the missing face-to-face meetings to make communication and participation of everyone easier in order to understand every task of the Work Packages and deliverables.

Evaluating the budget spending, most of the partners do not have difficulties or require alteration of the initial budget allocation despite a few partners found it difficult to spend into the limits of the budget.

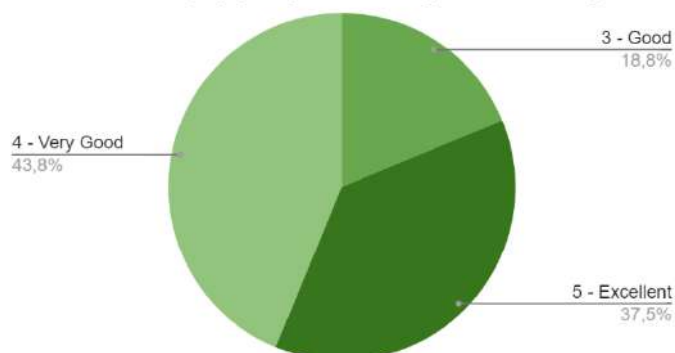
Regarding the budget, some partners still have not received the allocated budget which might cause late deliverables.

In addition, some partners from a teacher's perspective found the experience very interesting.

Arriving to the end of this questionnaire, partners were asked to evaluate the outputs for the first year. The results are described below:

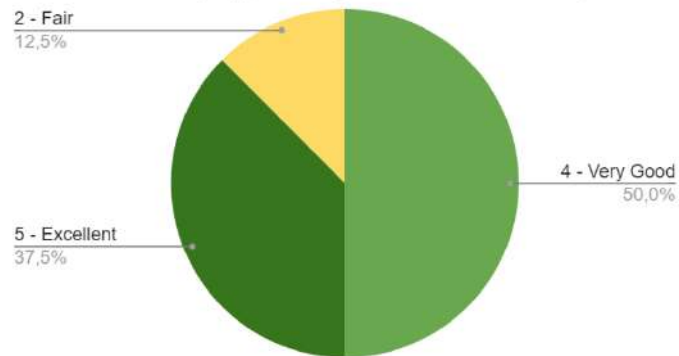
- The project management plan in general is highly evaluated between excellent and good.

Deliverables (D) [Project Management Plan]



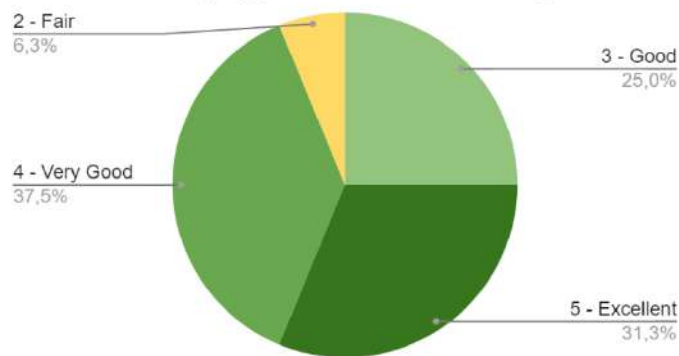
- In general, the Quality Assurance Plan satisfied very much. .

Deliverables (D) [Quality Assurance Plan]



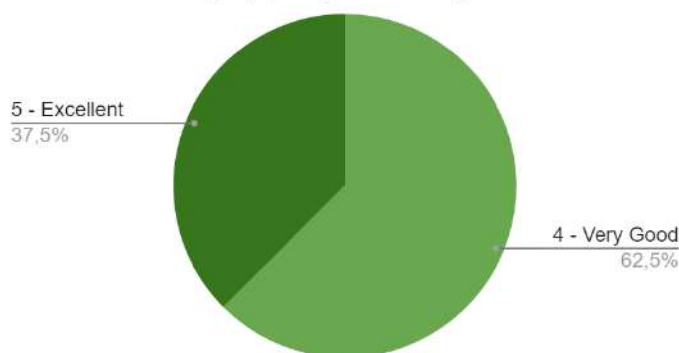
- Regarding the Dissemination Plan, all partners agreed it is well presented and coordinated. However, it was suggested that some aspects could be improved.

Deliverables (D) [Dissemination Plan]



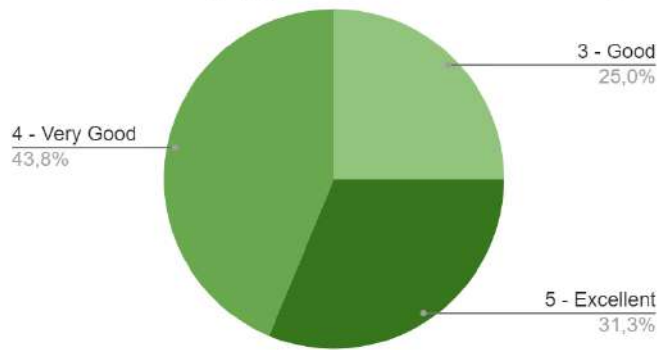
- Lastly, the project website was excellently evaluated by all partners.

Deliverables (D) [Project Web]



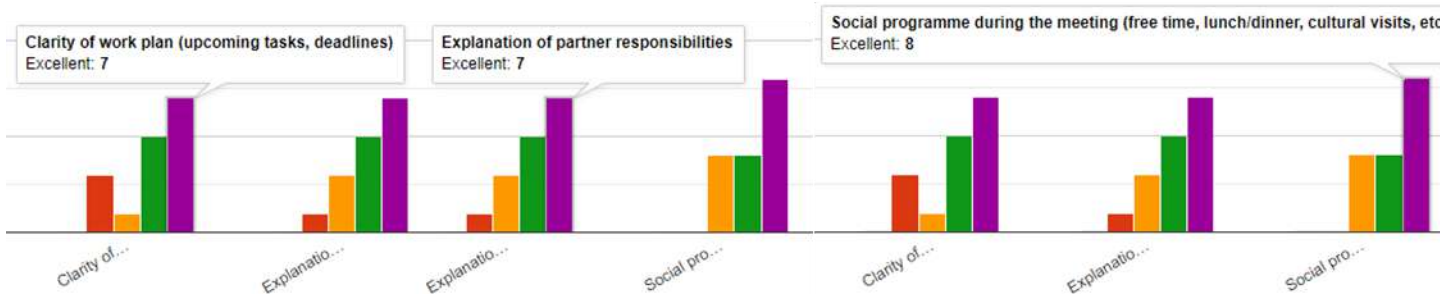
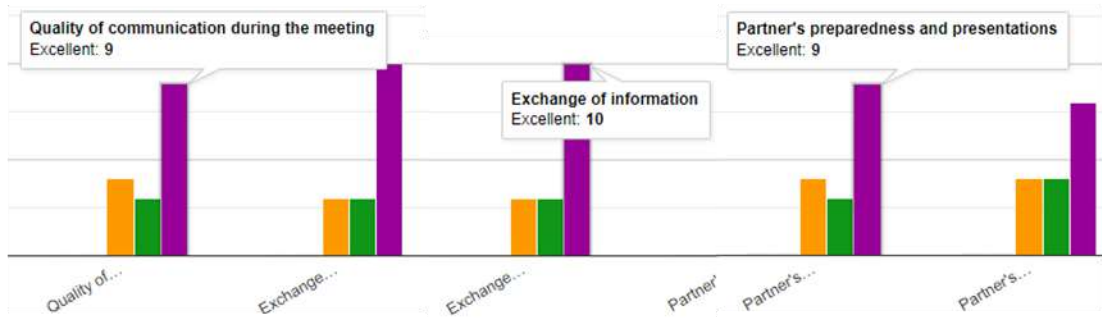
- Most partners agreed that the dissemination materials were well presented and coordinated.

Deliverables (D) [Dissemination Material]



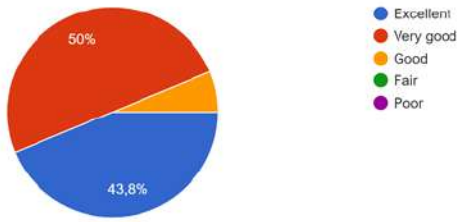
3.6.4 First Biannual Consortium Meeting in May 2022 in Spain and France

The 1st Biannual Consortium Meeting organized in May 2022 in Spain and France was very successful in general. The meeting agenda and venue was mostly excellent. The meeting ran in schedule and length in each session. The communication during the meeting ranged from good to excellent. The Asian partners had frankly exchanged information with European partners. Each partner had prepared their presentation and discussion points so decision making for steering committee was achieved. Aims, objectives and work seemed to be clear to each partner so that achievement could meet before the deadline. Most partners recognized its own responsibility which is an important action. Social programs provided during the meeting period were very satisfied. All of the participants were very happy.

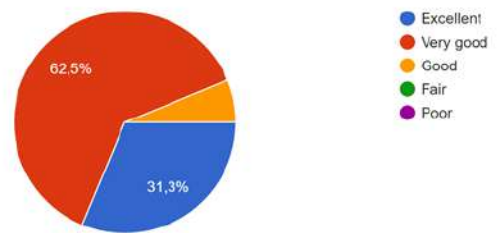


In general, the project progress in the range of very good (50%) to excellent (44%). The quality of the output has very good satisfaction, while the scientific quality outcomes also showed predominant. The compliance of the deadline was very good even though some improvement is needed.

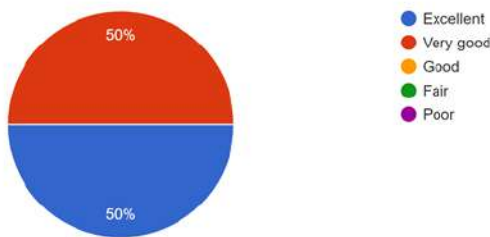
the overall progress of the project



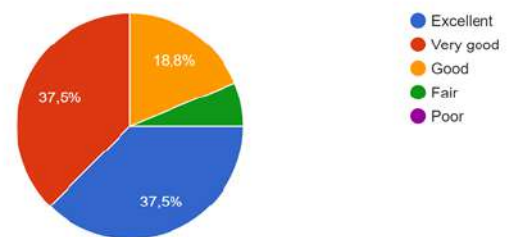
the satisfaction for the quality of the outputs prepared to date



the scientific quality of outcomes

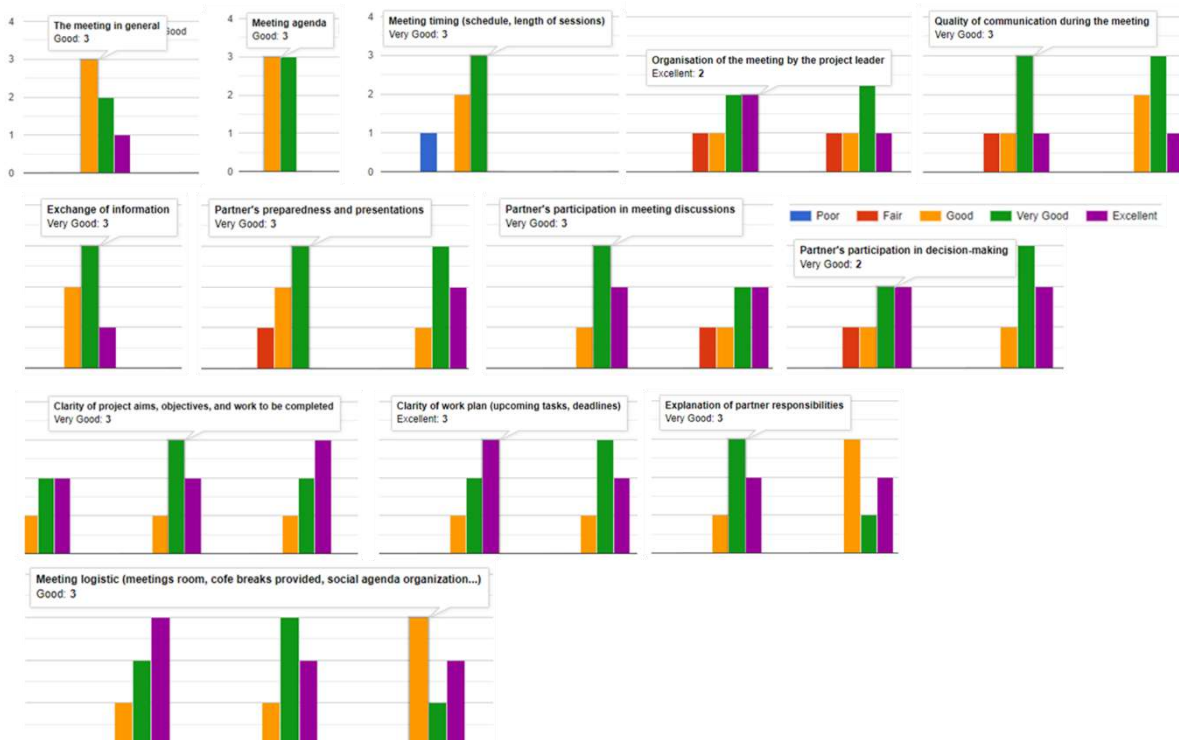


the compliance of the deadlines



3.6.5 Second Biannual Consortium Meeting in November 2022 (Vietnam)

The 4th Biannual Consortium Meeting organized in November 2022 (Vietnam) was very successful in general as shown in Figure below.



The quality of the Consortium Meeting of November 2022 in Vietnam

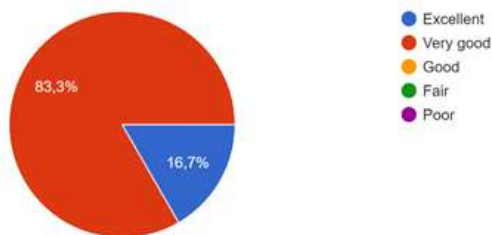
The representative members of each partner participated in the meeting. The evaluation results show that the meeting agenda and venue was mostly excellent. The meeting was in the planned schedule. The communication during the meeting was generally excellent. The exchange of information and discussion points among all partners was very good. Each partner had prepared their information and discussion points so decision making for steering committee was mostly achieved.

During the meeting, the tasks on technical report worked very well with Discussion, Clear decision on the urgent tasks (budget, equipment and WP2), and student mobility, The exchanges between partners, explanation on the commitments were carried out.

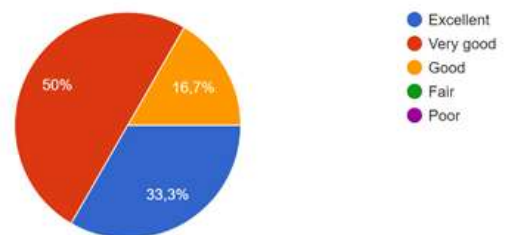
It was suggested that the next meeting should improve communication, financial issue, the detail of project activities and future, wrapping up of the meeting, Preparation of the agenda, consolidation of the schedule in advance (at least 1 month before), try to finalize of the issue for better decision.

In summary, it was found that the project runs very good in terms of its outputs and outcome. However, its compliance of the deadlines need improvement.

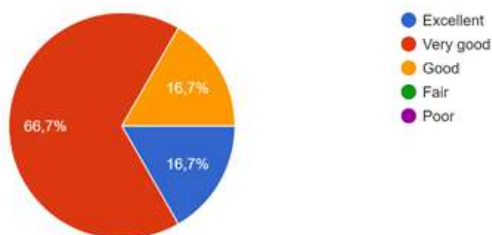
the overall progress of the project



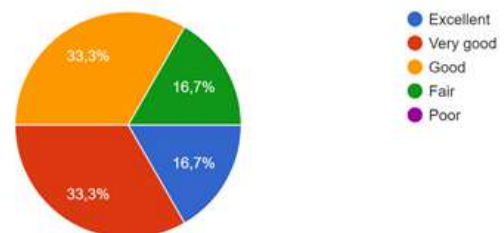
the scientific quality of outcomes



the satisfaction for the quality of the outputs prepared to date



the compliance of the deadlines



Overview of the quality of the project implementation until November 2022.

It was further suggested that the improvements that could be made in the project implementation process so as to ensure that the project achieves its objectives are (1) more face to face meetings, (2) Classification of financial issue of each amount transferring should be cleared in term of its specific expenditure, (3) Presentation on the result, problem and how to solve of activities implementation, (4) Detail presentation of each WP leaders for each work package and final wrap meeting, (5) decrease the administrative demands. We spent too many times on those administrative issues instead the scientific tasks. These last ones should remain our main objectives, (6) Make clear understanding for each task to each partner, (7) Follow up closely assigned tasks to each partner.

4. GENERAL CONCLUSIONS

In terms of conclusions, the general perception after analyzing the responses given by the partners is that the project is proceeding in a satisfactory way. However, main Work Packages have not started yet, and this report has compiled partner's perception from the KOM, Dissemination and Communication plan, the QA plan, September Consortium Meeting, Website Dissemination Project and 12 months Interim Evaluation. All work packages are performing well despite some difficulties of few partners that need special attention at a certain time.

The main problem identified in these first nine months of the project is the uncertainty due to COVID-19 and how it may affect the project implementation in terms of partner's coordination and reaching the target students and teachers. Regarding COVID-19 there is also the concern about the implementation and coordination of the Living Labs, Workshops and Events celebrated in different countries. On the other side, partners are motivated, and they perceived good feeling to work together despite the pandemic situation.

Regarding internal coordination, the information provided by the Project coordinator to partners is perceived well organized and coordinated taking in account there have not been face-to-face meetings.

Based on the perception of most of the partners, the strategy of dissemination and communication could be highly improved and organized and the progressive collaboration of the partners is expected.

It must be taken into consideration this report analyses the first twelve months of implementation of the project. Being at the start of the project the information available is limited. This means that no big conclusions can be drawn yet. This report is useful though in providing the first insight and is a baseline that will allow us to see the evolution of the project through the comparison of the responses in this report with the ones provided in successive reports. This will let us know how the perception changes and detect if there are any deviations that need to be corrected.

Regarding the PBL training for teachers in some cases it is suggested to have more examples and give more time to participants for Q&A and discussion. It is also suggested, if possible, to use specific practical videos for case studies to make it easier for participants to understand and apply the methodology.

Regarding the field visits and workshops in Spain and France, followed by the 3rd Biannual Consortium meeting in May 2022, the participants from Asian partners were very active for joining the organized events. These activities ran very successfully. The leader and co-leader of each working package had very good interaction and communication by face-to-face for discussing and planning their responsibility in this project. Furthermore, the organized problem-based learning (PBL) methodology practice interested Asian participants a lot.

The 4th Biannual Consortium meeting in November 2022 in Vietnam was held in 2 universities starting from National University of Can Tho in Can Tho City, and then ending in Vietnam National University, Ha Noi. All partners participated in this mission leading to very good satisfaction. The logistic arrangement and meeting agenda was good leading to very good meeting timing. The organization of the meeting by the project leader was excellent, leading to the very good communication quality. Participants gave very good information exchange due to their well preparation. Clarity of project aims objectives and work plans was reaffirmed and explained to each partner to have their very good responsibilities. In summary, the project has been running very good in terms of output and outcomes. However, its compliance to the deadlines is needed for improvement.

Finally, it is important to highlight the positive evaluation referring to the project implementation and management. In addition, the quality team reminds all partners about the obligation of answering all questionnaires; proactivity and contributions to improve project development is highly desired. In this sense, we encourage all partners in charge of the respective tasks to take steps to improve the deliverables and keep fulfilling their commitment.

Annexes