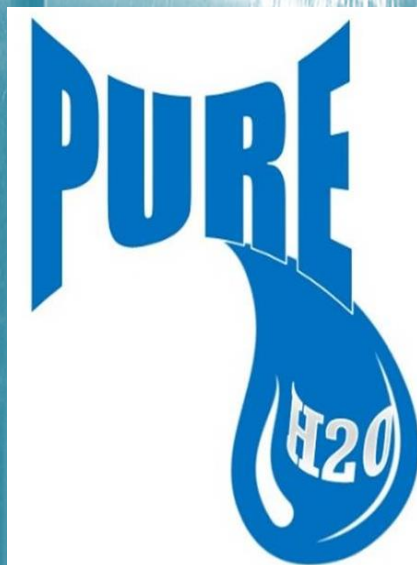


# DRINK PURIFIED H<sub>2</sub>O!

A Project for the Drinking Water Treatment Plants



**This document is a result of ERASMUS+ Project  
No: 2014-1-TR01-KA202-013113  
Titled:  
“PURE-H2O Implementation of ECVET for  
Qualification Design in Drinking Water  
Treatment Plants and Sanitation for Pure  
Drinkable Water”**

## **EDITORS:**

*Assist. Prof. Dr. Fleur Prinsen*

*Assoc. Prof. Dr. Christian M. Stracke*

*(OUNL)*

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior permission of the authors and the European Commission.

## TABLE OF CONTENTS

Table of Contents	3
List of Figures	4
1 Status Reports on PURE-H2O Progress	5
1.1 Status Report on PURE-H2O Progress after M6	5
1.2 Status Report on PURE-H2O Progress after M12	9
1.3 Status Report on PURE-H2O Progress after M18	13
1.4 Status Report on PURE-H2O Progress after M24	17
2 Comparison, Analysis and Evaluation of Status Reports	21
2.1 Question 1: How do you rate the progress of the PURE-H2O project during the last six months?	21
2.2 Question 2: How do you rate the collaboration in the PURE-H2O project during the last six months?	23
2.3 Question 3: How do you rate the development of the planned outputs of the PURE-H2O project during the last six months?	25
2.4 Question 4: How do you rate your contributions to the PURE-H2O project during the last six months?	27
2.5 Question 5: How do you rate the contributions by the other partners to the PURE-H2O project during the last six months?	29
2.6 Question 6: How do you rate the project management of the PURE-H2O project during the last six months?	31
2.7 Question 7: How do you rate the project progress overall during the last six months?	33
Annex: Questionnaire Template	35

## LIST OF FIGURES

Figure 1: Question 1 - Ratings after M6 .....	5
Figure 2: Question 2 - Ratings after M6 .....	5
Figure 3: Question 3 - Ratings after M6 .....	6
Figure 4: Question 4 - Ratings after M6 .....	6
Figure 5: Question 5 - Ratings after M6 .....	7
Figure 6: Question 6 - Ratings after M6 .....	7
Figure 7: Question 7 - Ratings after M6 .....	8
Figure 8: Question 1 - Ratings after M12 .....	9
Figure 9: Question 2 - Ratings after M12 .....	9
Figure 10: Question 3 - Ratings after M12 .....	10
Figure 11: Question 4 - Ratings after M12 .....	10
Figure 12: Question 5 - Ratings after M12 .....	11
Figure 13: Question 6 - Ratings after M12 .....	11
Figure 14: Question 7 - Ratings after M12 .....	12
Figure 15: Question 1 - Ratings after M18 .....	13
Figure 16: Question 2 - Ratings after M18 .....	13
Figure 17: Question 3 - Ratings after M18 .....	14
Figure 18: Question 4 - Ratings after M18 .....	14
Figure 19: Question 5 - Ratings after M18 .....	15
Figure 20: Question 6 - Ratings after M18 .....	15
Figure 21: Question 7 - Ratings after M18 .....	16
Figure 22: Question 1 - Ratings after M24 .....	17
Figure 23: Question 2 - Ratings after M24 .....	17
Figure 24: Question 3 - Ratings after M24 .....	18
Figure 25: Question 4 - Ratings after M24 .....	18
Figure 26: Question 5 - Ratings after M24 .....	19
Figure 27: Question 6 - Ratings after M24 .....	19
Figure 28: Question 7 - Ratings after M24 .....	20
Figure 29: Question 1 - Ratings after M6 .....	21
Figure 30: Question 1 - Ratings after M12 .....	21
Figure 31: Question 1 - Ratings after M18 .....	22
Figure 32: Question 1 - Ratings after M24 .....	22
Figure 33: Question 2 - Ratings after M6 .....	23
Figure 34: Question 2 - Ratings after M12 .....	23
Figure 35: Question 2 - Ratings after M18 .....	24
Figure 36: Question 2 - Ratings after M24 .....	24
Figure 37: Question 3 - Ratings after M6 .....	25
Figure 38: Question 3 - Ratings after M12 .....	25
Figure 39: Question 3 - Ratings after M18 .....	26
Figure 40: Question 3 - Ratings after M24 .....	26
Figure 41: Question 4 - Ratings after M6 .....	27
Figure 42: Question 4 - Ratings after M12 .....	27
Figure 43: Question 4 - Ratings after M18 .....	28
Figure 44: Question 4 - Ratings after M24 .....	28
Figure 45: Question 5 - Ratings after M6 .....	29
Figure 46: Question 5 - Ratings after M12 .....	29
Figure 47: Question 5 - Ratings after M18 .....	30
Figure 48: Question 5 - Ratings after M24 .....	30
Figure 49: Question 6 - Ratings after M6 .....	31
Figure 50: Question 6 - Ratings after M12 .....	31
Figure 51: Question 6 - Ratings after M18 .....	32
Figure 52: Question 6 - Ratings after M24 .....	32
Figure 53: Question 7 - Ratings after M6 .....	33
Figure 54: Question 7 - Ratings after M12 .....	33
Figure 55: Question 7 - Ratings after M18 .....	34
Figure 56: Question 7 - Ratings after M24 .....	34

# 1 STATUS REPORTS ON PURE-H2O PROGRESS

## 1.1 Status Report on PURE-H2O Progress after M6

The following figures are presenting the results of the questionnaires on the progress of PURE-H2O completed after month 6 (M6) by all partners (n = 6):

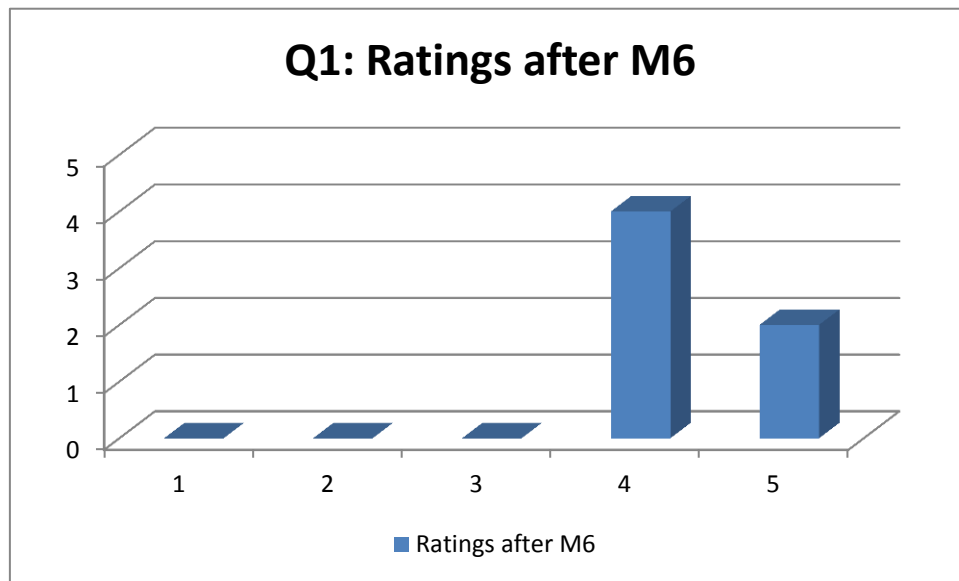


Figure 1: Question 1 - Ratings after M6

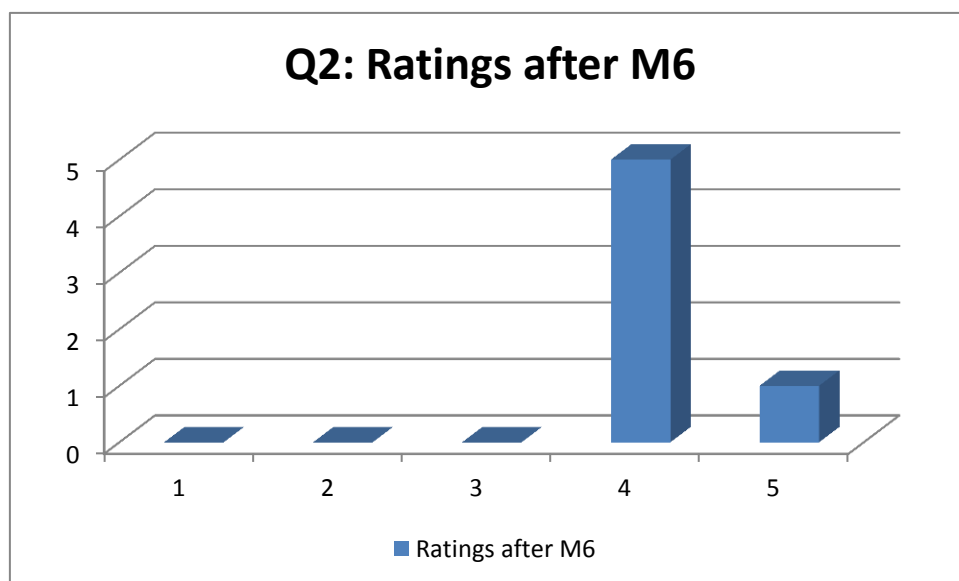


Figure 2: Question 2 - Ratings after M6

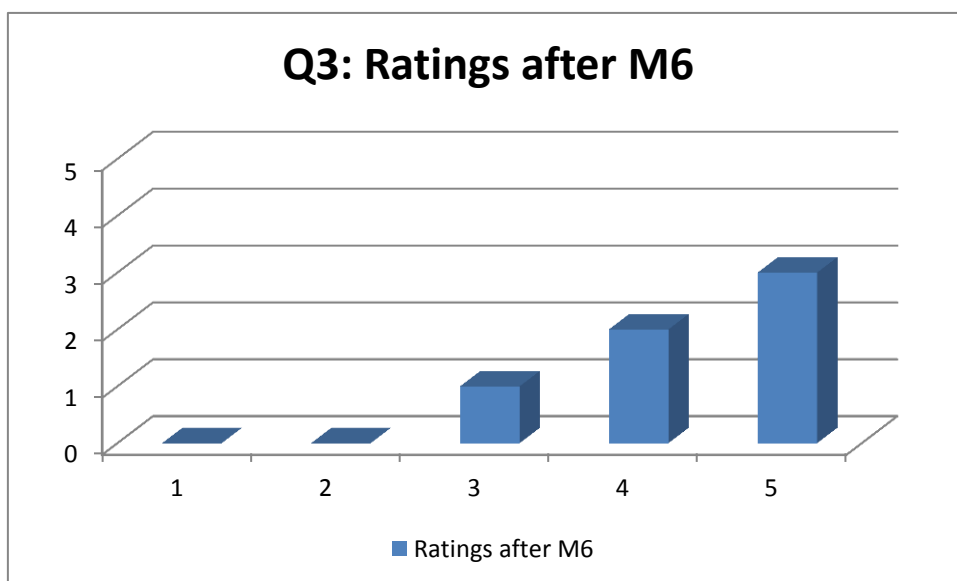


Figure 3: Question 3 - Ratings after M6

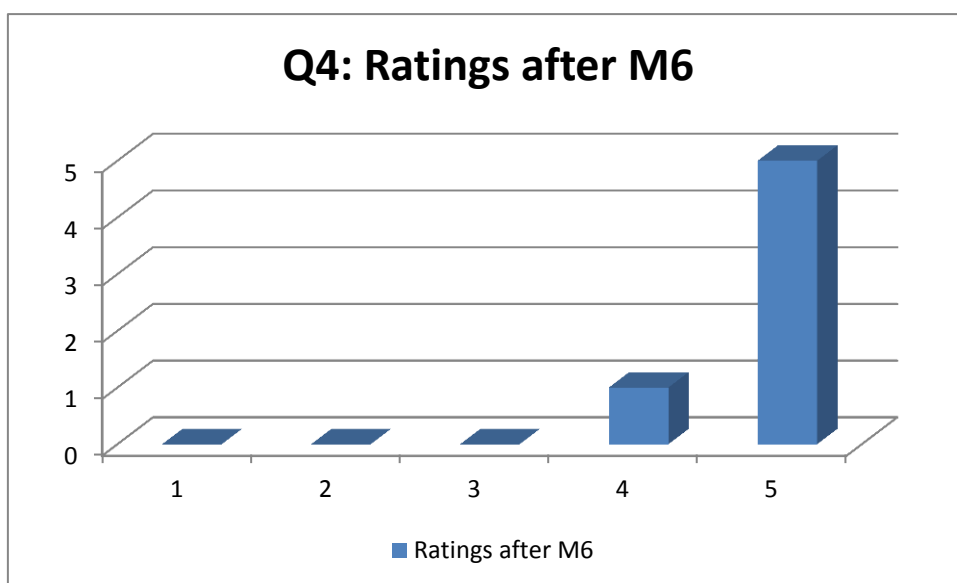


Figure 4: Question 4 - Ratings after M6

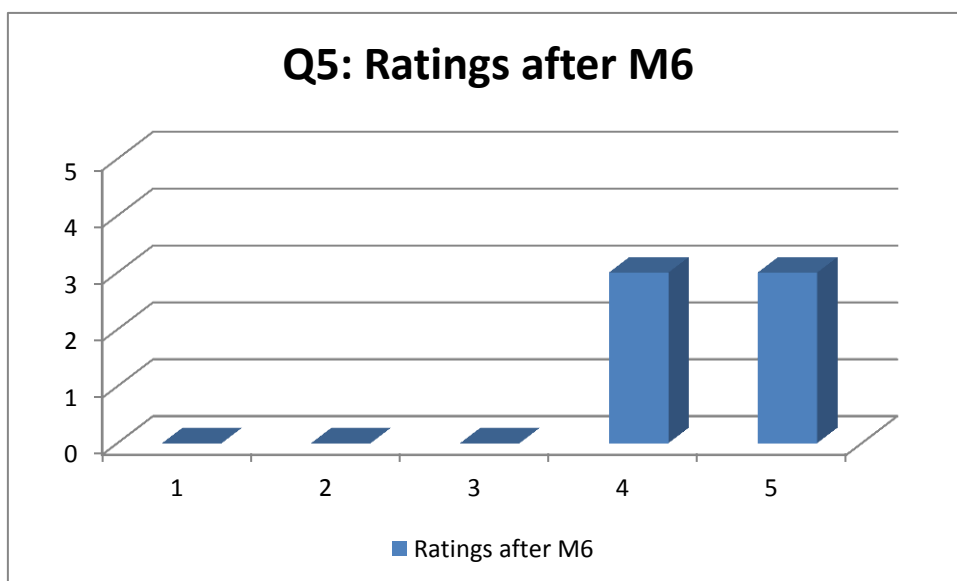


Figure 5: Question 5 - Ratings after M6

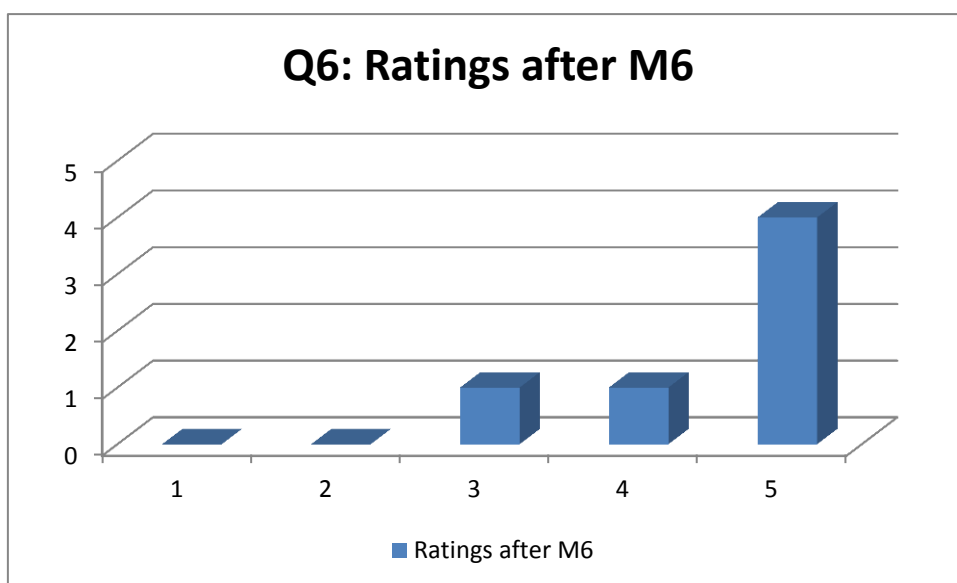


Figure 6: Question 6 - Ratings after M6

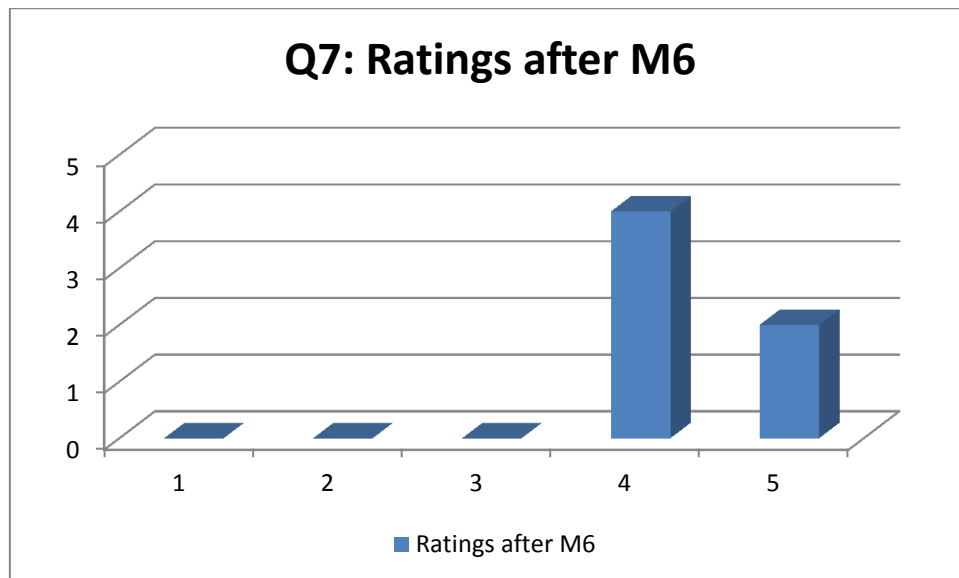


Figure 7: Question 7 - Ratings after M6

## 1.2 Status Report on PURE-H2O Progress after M12

The following figures are presenting the results of the questionnaires on the progress of PURE-H2O completed after month 12 (M12) by all partners (n = 6):

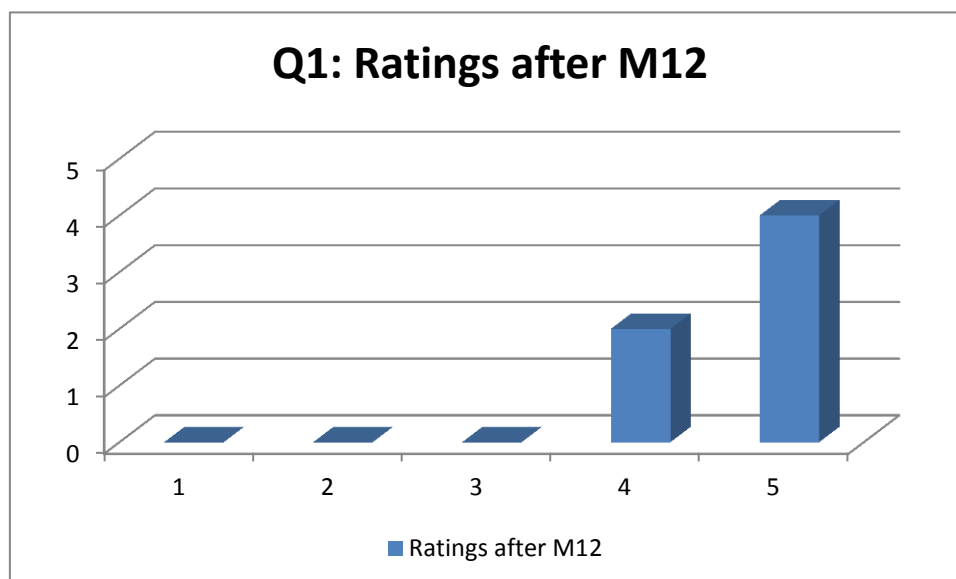


Figure 8: Question 1 - Ratings after M12

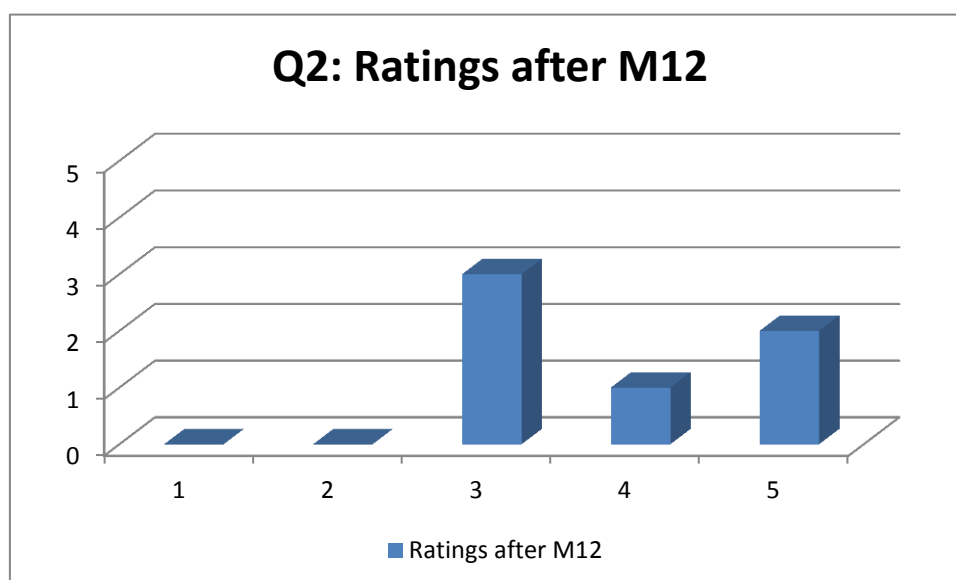


Figure 9: Question 2 - Ratings after M12

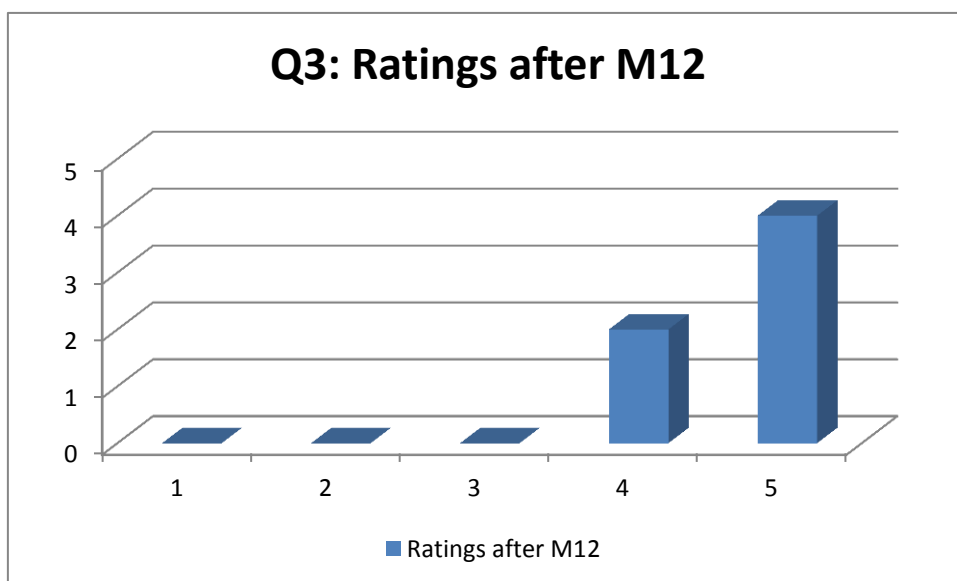


Figure 10: Question 3 - Ratings after M12

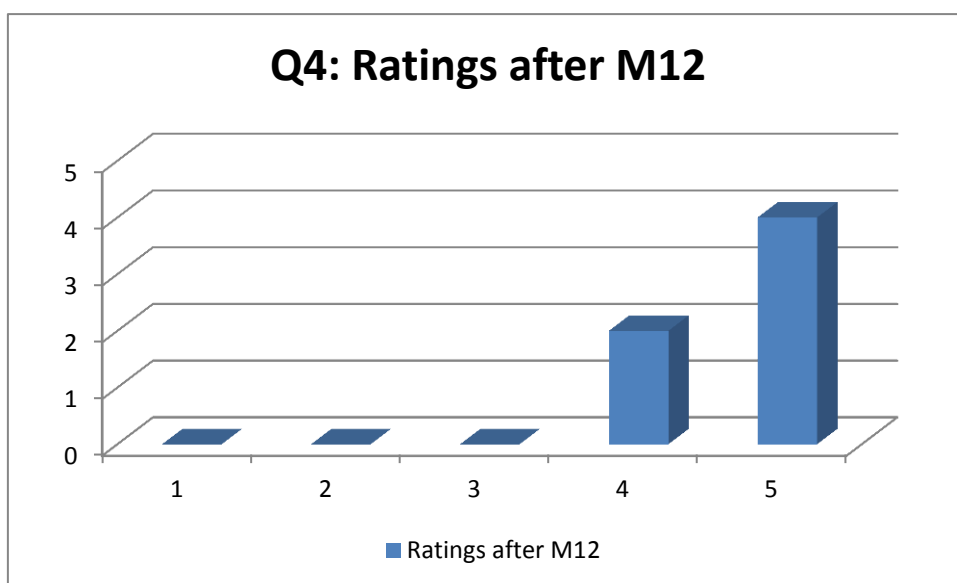


Figure 11: Question 4 - Ratings after M12

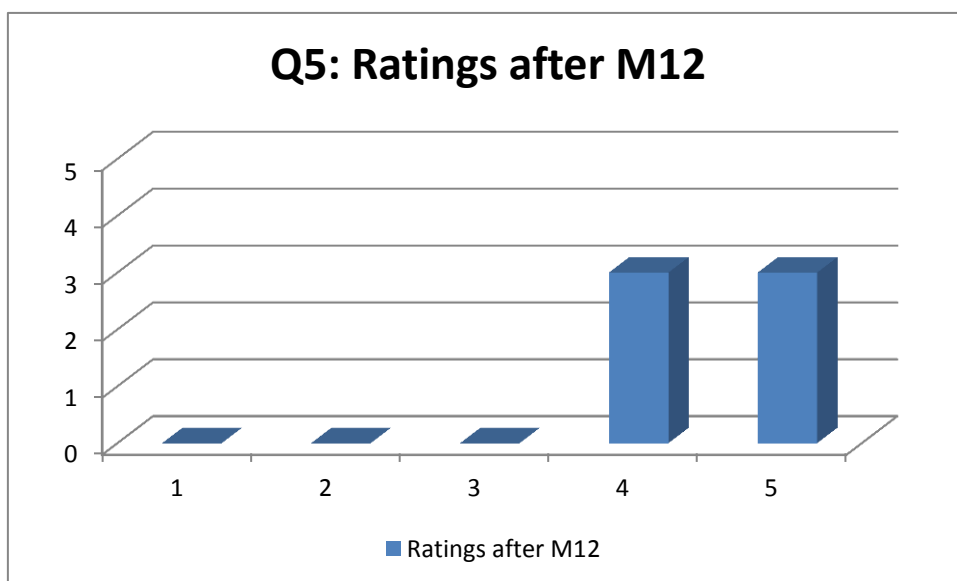


Figure 12: Question 5 - Ratings after M12

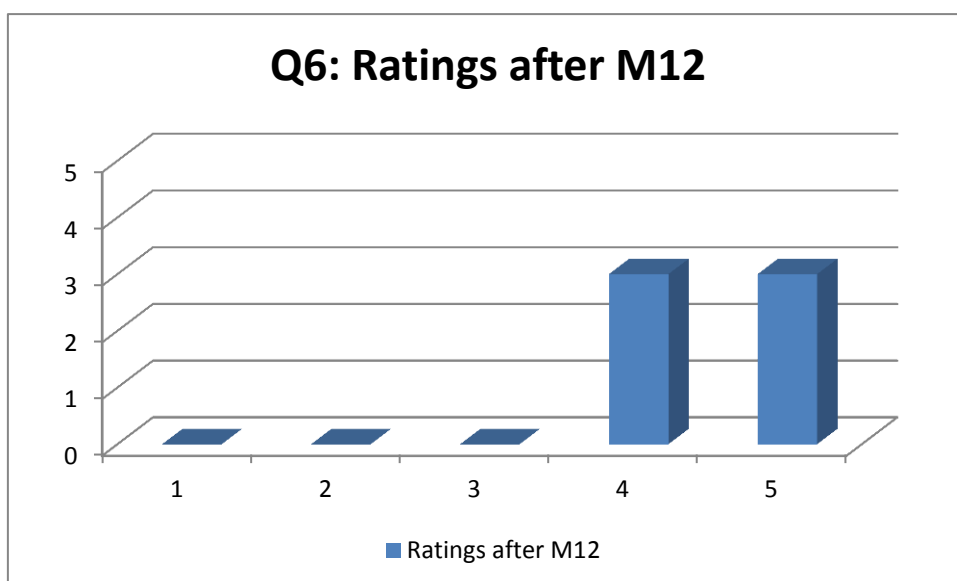


Figure 13: Question 6 - Ratings after M12

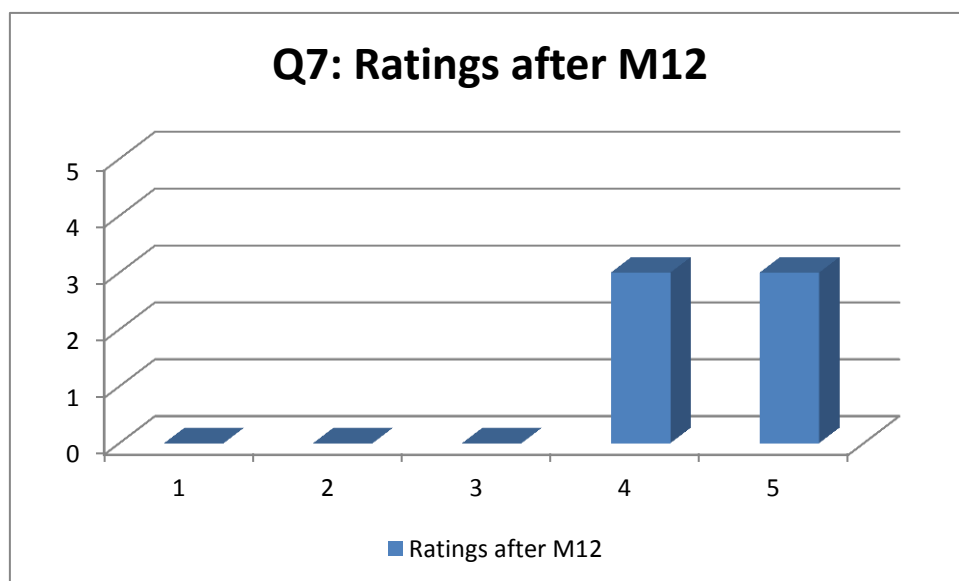


Figure 14: Question 7 - Ratings after M12

### 1.3 Status Report on PURE-H2O Progress after M18

The following figures are presenting the results of the questionnaires on the progress of PURE-H2O completed after month 18 (M18) by all partners (n = 6):

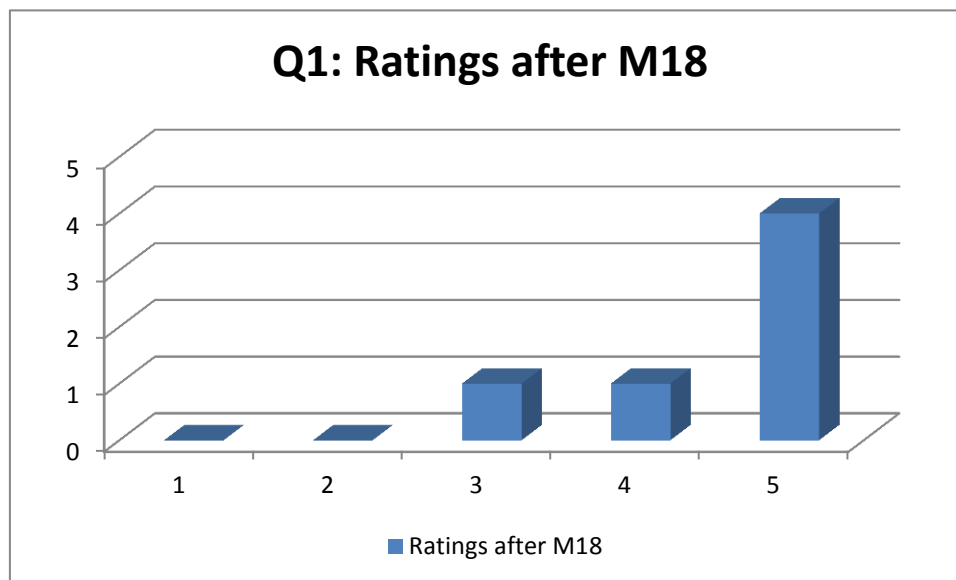


Figure 15: Question 1 - Ratings after M18

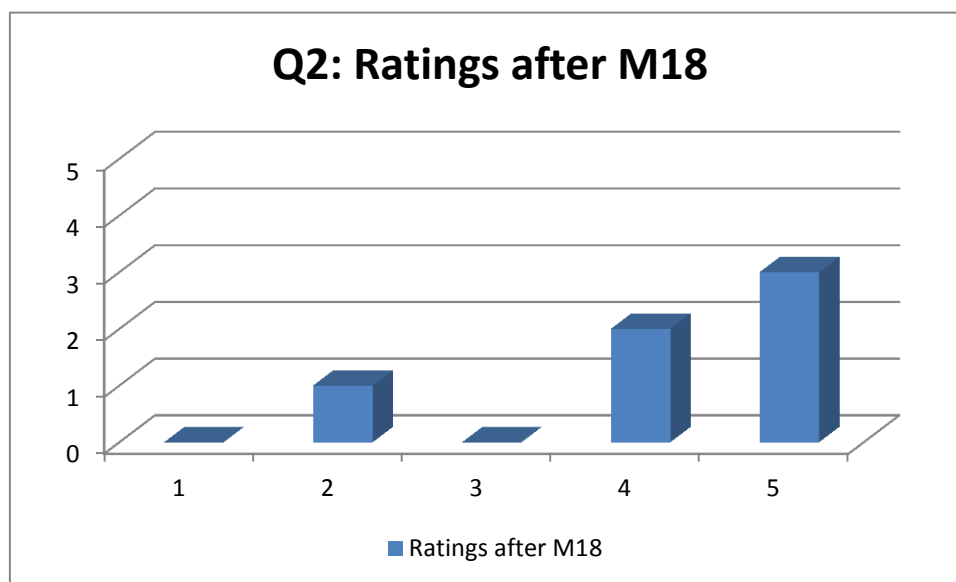


Figure 16: Question 2 - Ratings after M18

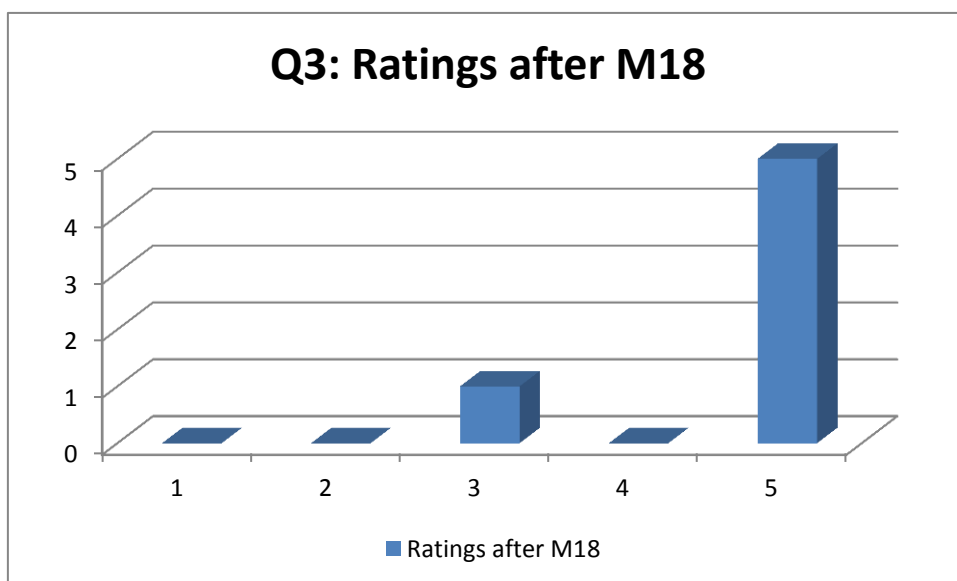


Figure 17: Question 3 - Ratings after M18

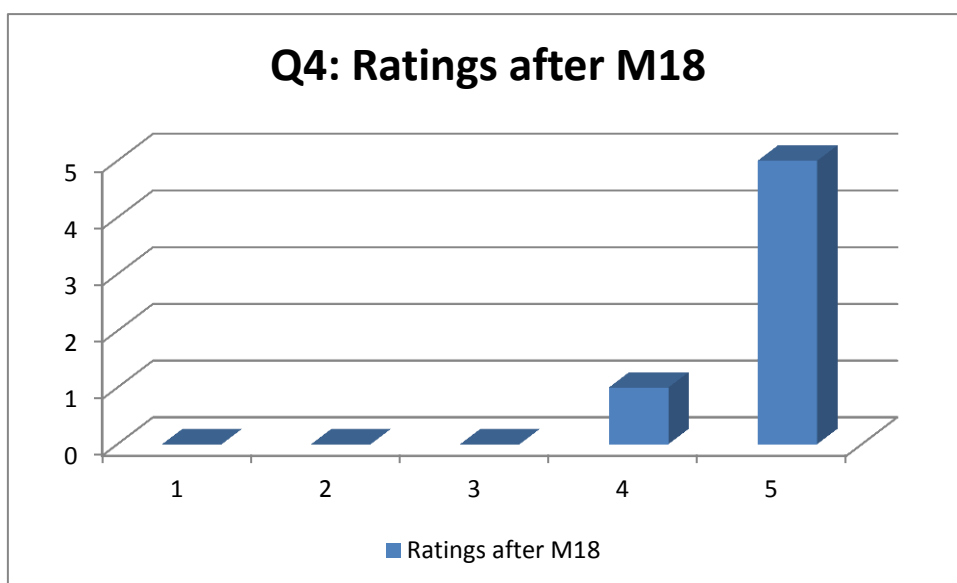


Figure 18: Question 4 - Ratings after M18

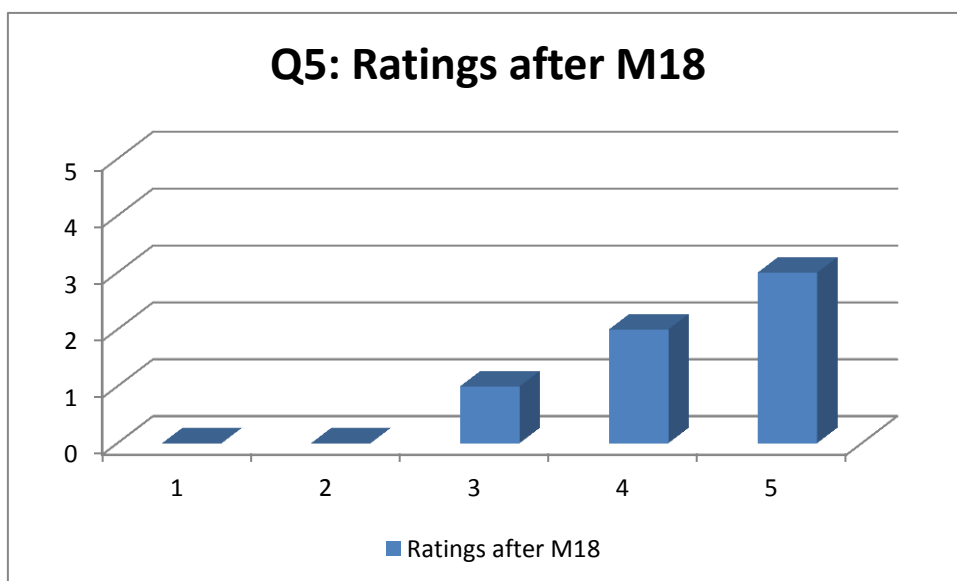


Figure 19: Question 5 - Ratings after M18

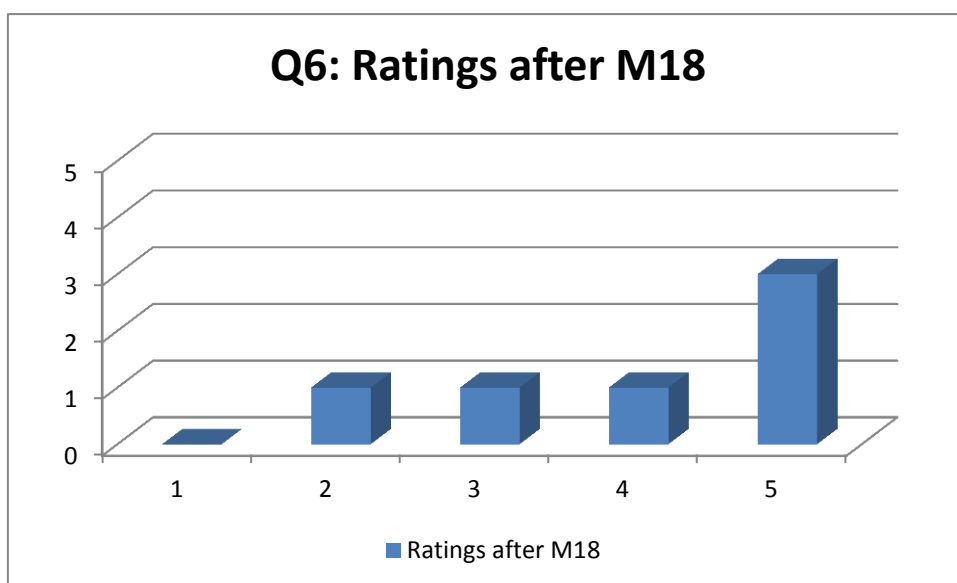


Figure 20: Question 6 - Ratings after M18

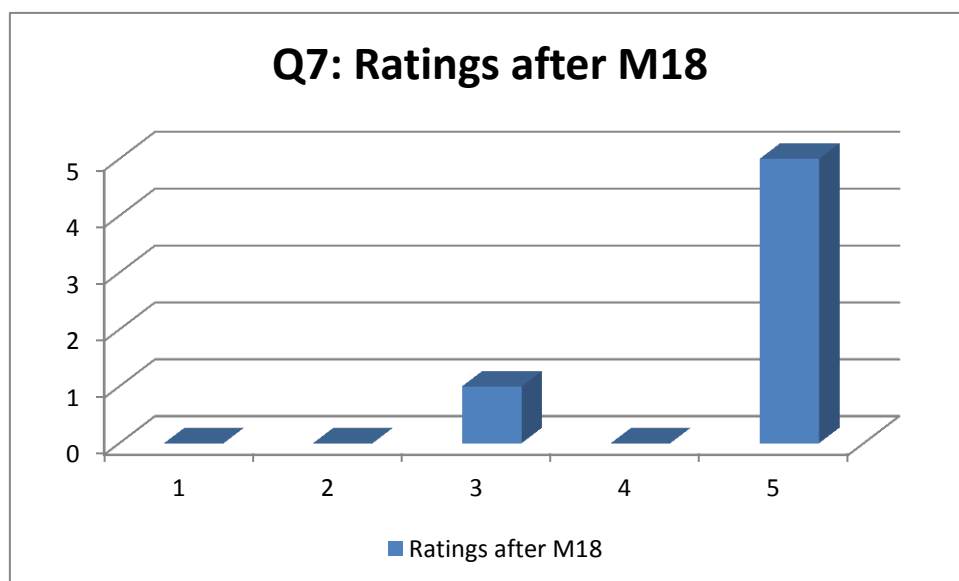


Figure 21: Question 7 - Ratings after M18

## 1.4 Status Report on PURE-H2O Progress after M24

The following figures are presenting the results of the questionnaires on the progress of PURE-H2O completed after month 24 (M24) by all partners (n = 6):

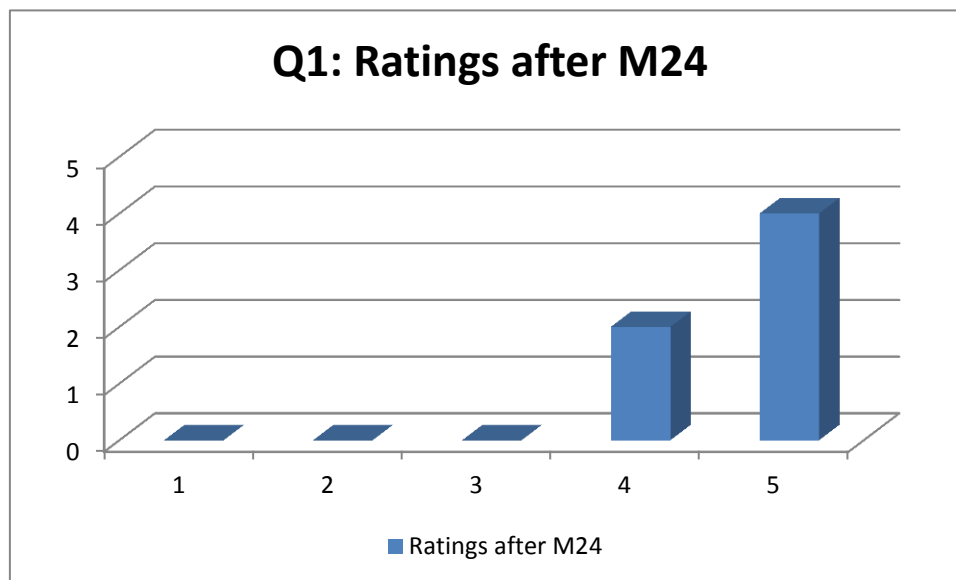


Figure 22: Question 1 - Ratings after M24

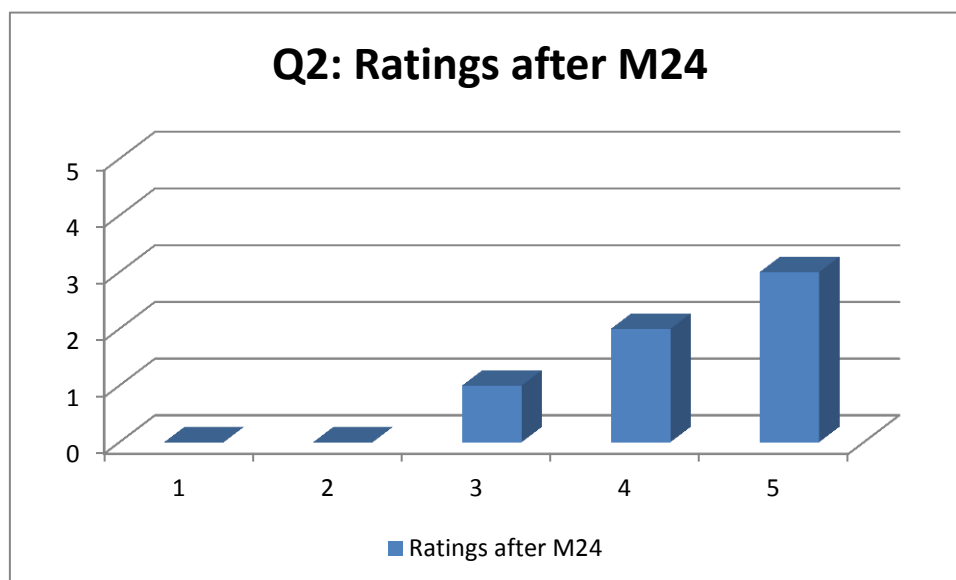


Figure 23: Question 2 - Ratings after M24

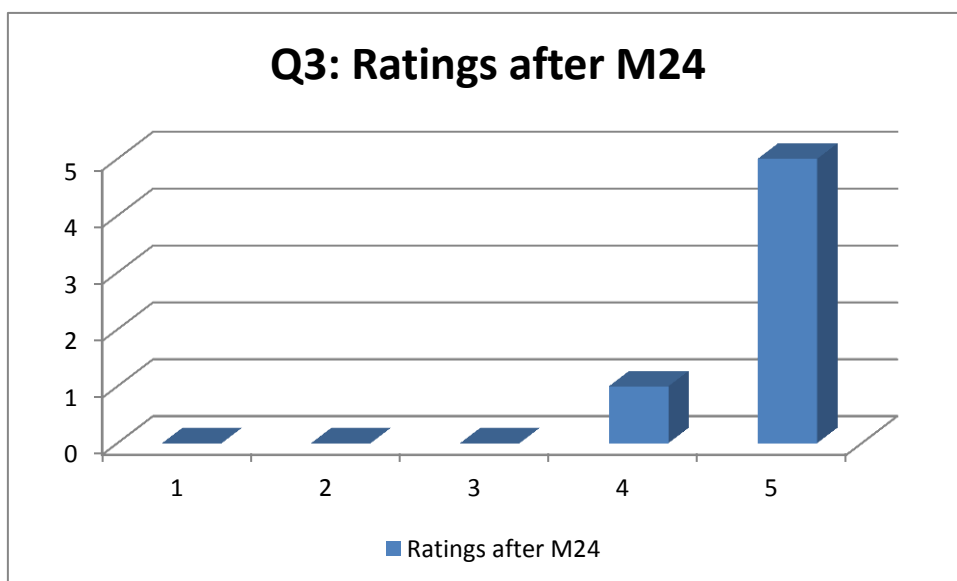


Figure 24: Question 3 - Ratings after M24

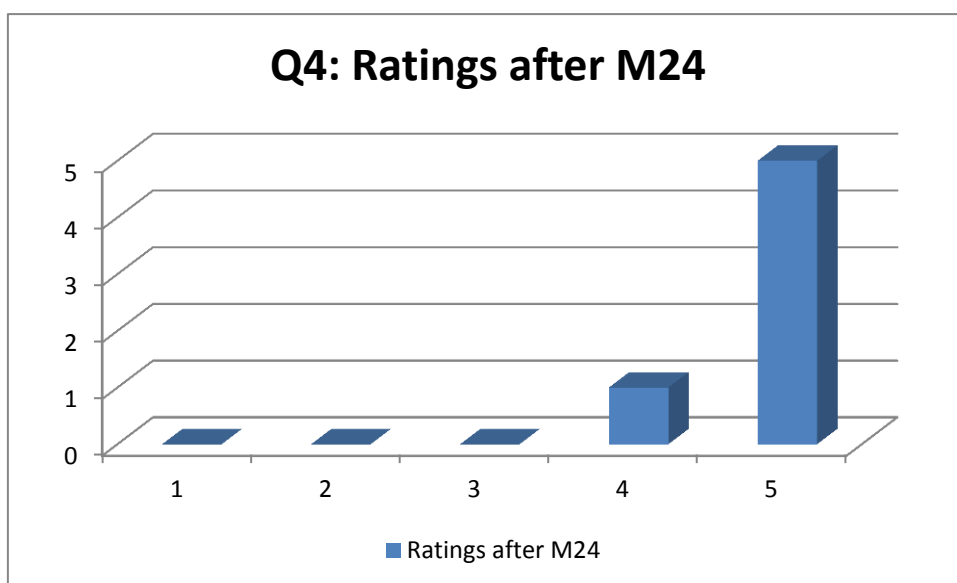


Figure 25: Question 4 - Ratings after M24

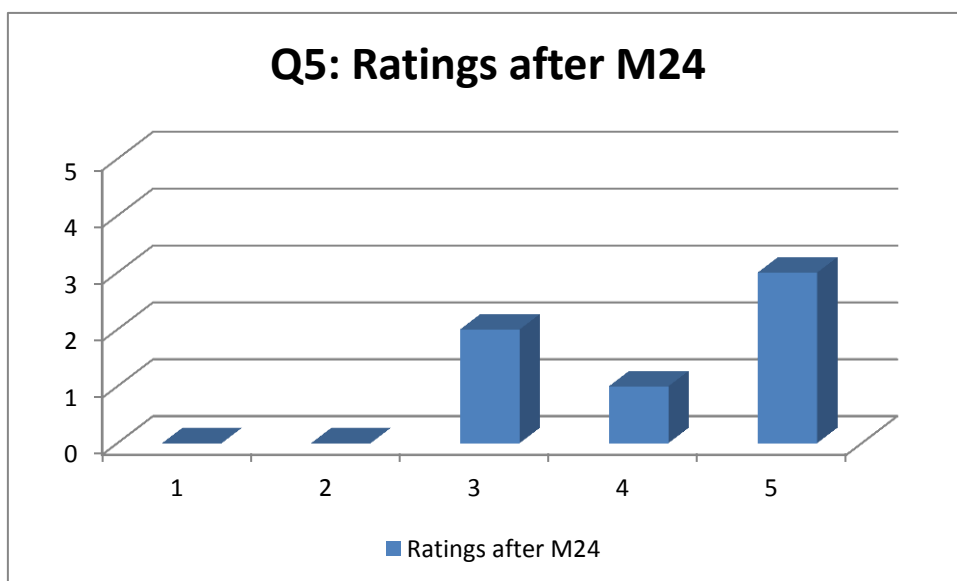


Figure 26: Question 5 - Ratings after M24

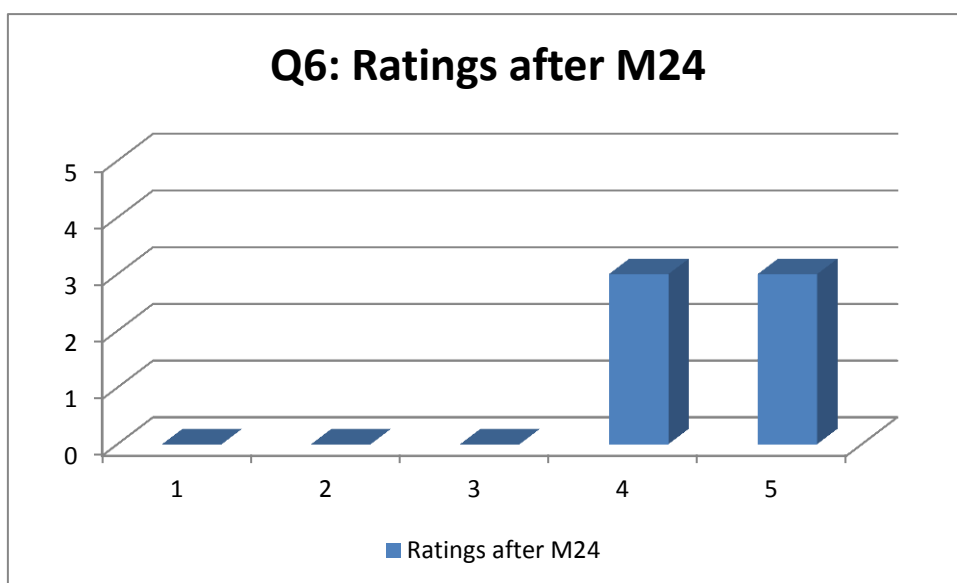


Figure 27: Question 6 - Ratings after M24

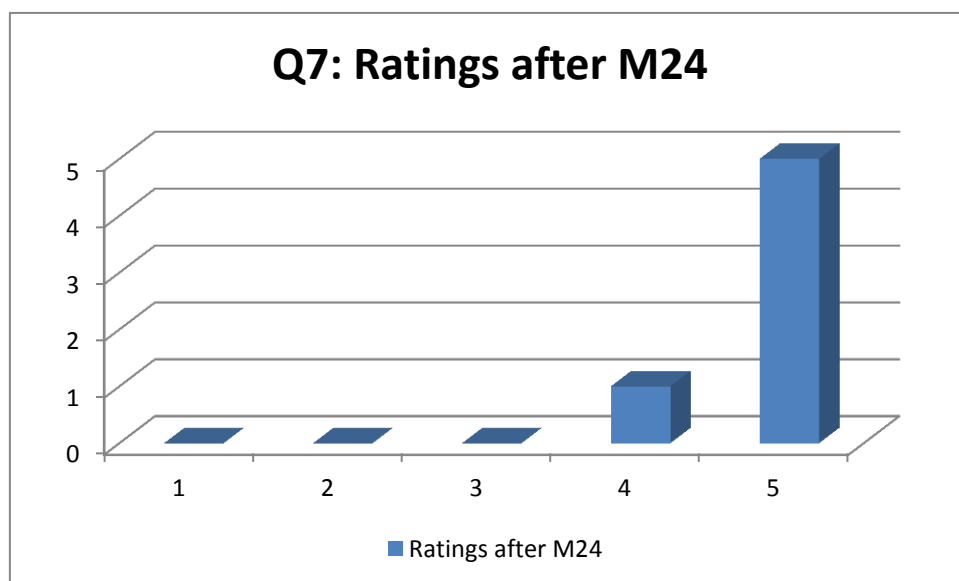


Figure 28: Question 7 - Ratings after M24

## 2 COMPARISON, ANALYSIS AND EVALUATION OF STATUS REPORTS

2.1 Question 1: How do you rate the progress of the PURE-H2O project during the last six months?

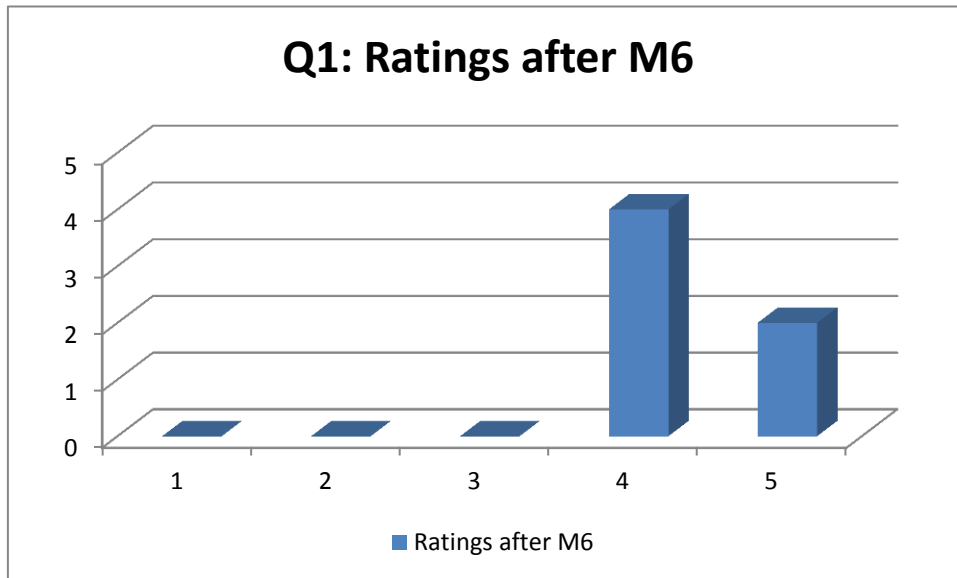


Figure 29: Question 1 - Ratings after M6

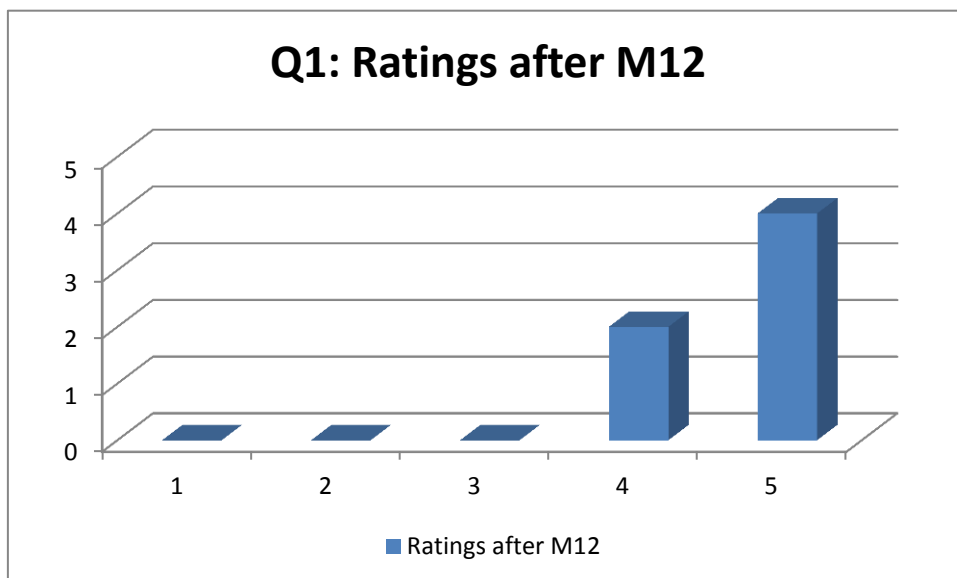


Figure 30: Question 1 - Ratings after M12

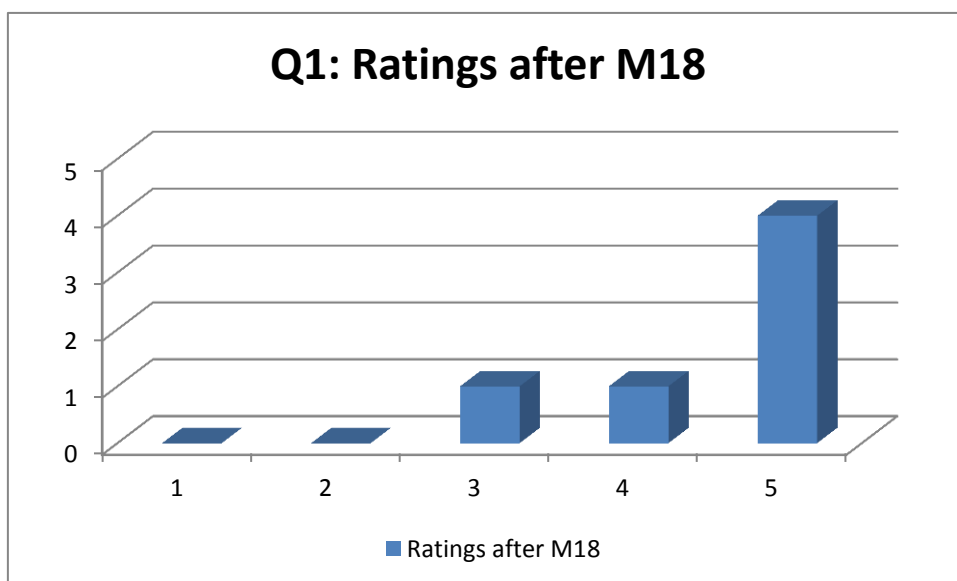


Figure 31: Question 1 - Ratings after M18

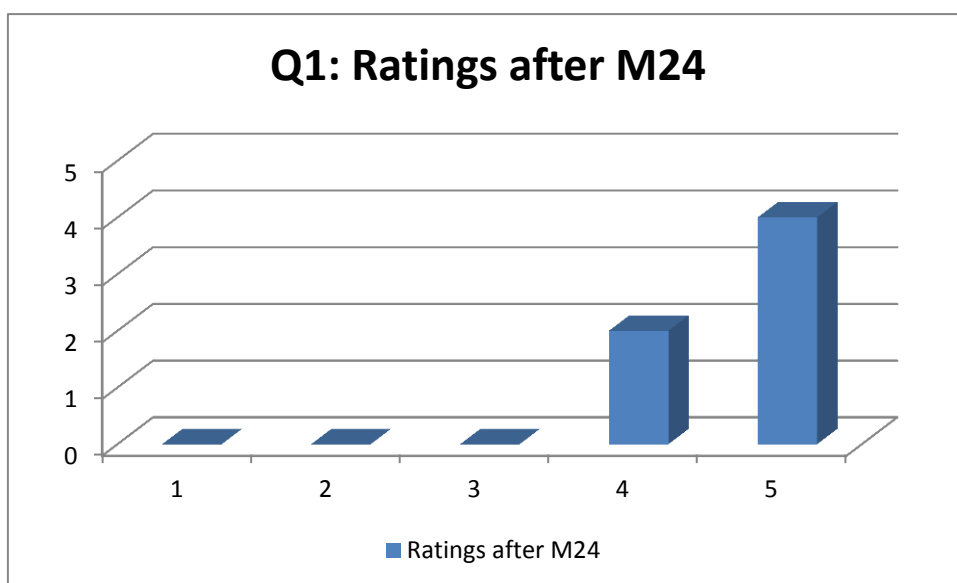


Figure 32: Question 1 - Ratings after M24

The ratings on the progress during the last six months are improving continuously until the end of the PURE-H2O project demonstrating the excellent improvements during the project lifetime and collaboration. The minor deviation after M18 can be explained by the second consortium meeting and is balanced by the final rating after M24 with very good result (again).

2.2 Question 2: How do you rate the collaboration in the PURE-H2O project during the last six months?

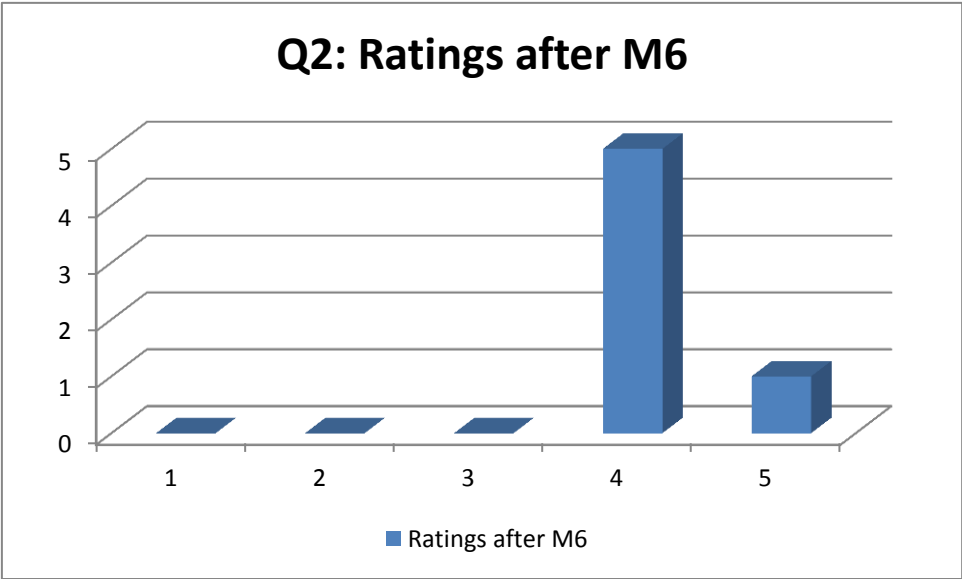


Figure 33: Question 2 - Ratings after M6

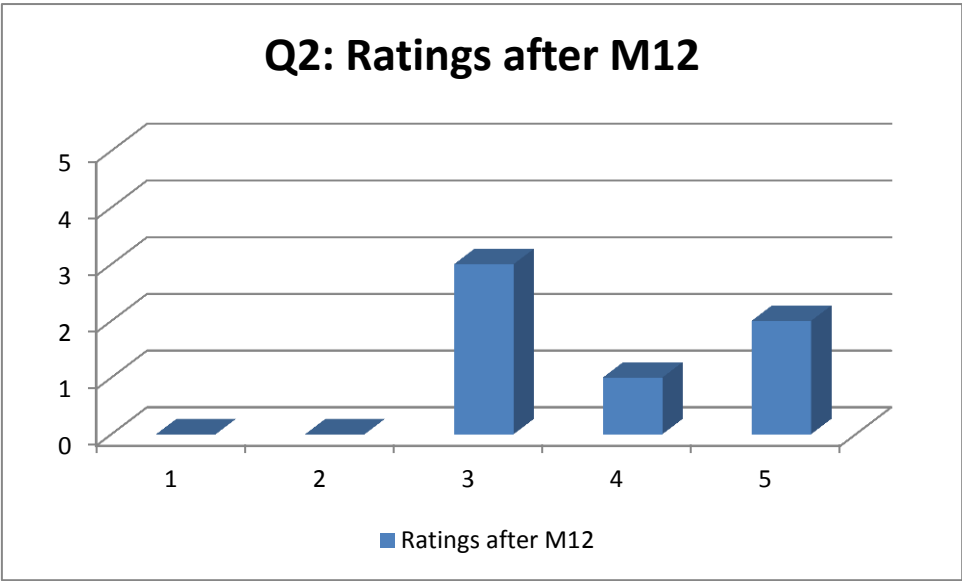


Figure 34: Question 2 - Ratings after M12

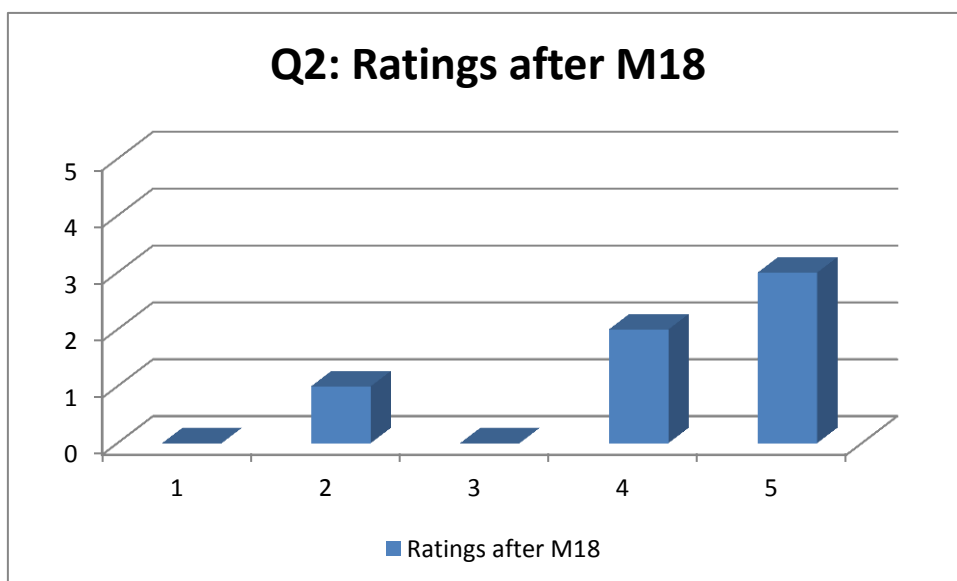


Figure 35: Question 2 - Ratings after M18

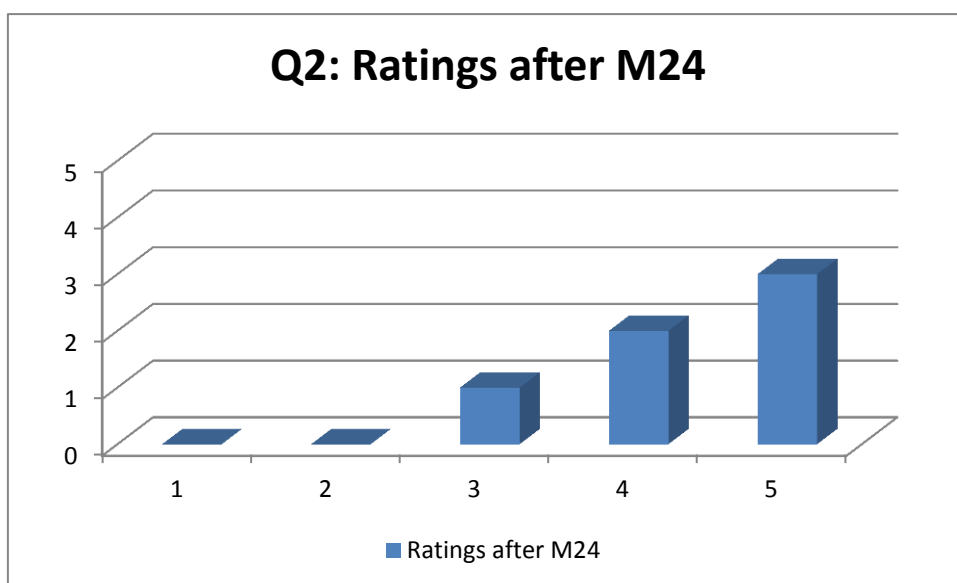


Figure 36: Question 2 - Ratings after M24

The collaboration in the PURE-H2O consortium had a good rating in the beginning, followed by two quite good but lower ratings in M12 and M18 that can be assigned to the preparation and realization of the second consortium meeting in Sofia that took place quite late. The final ratings are very good again and even better than in the beginning.

2.3 Question 3: How do you rate the development of the planned outputs of the PURE-H2O project during the last six months?

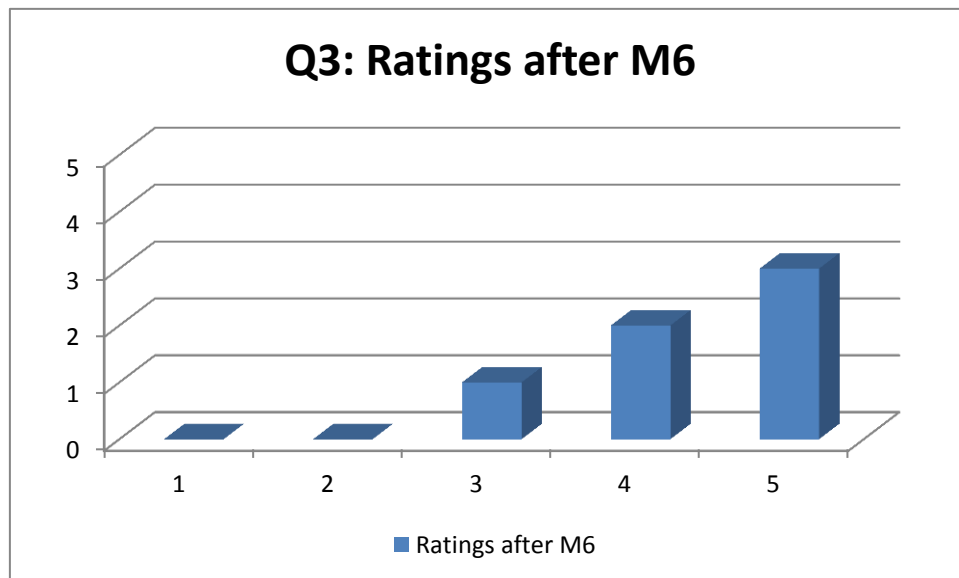


Figure 37: Question 3 - Ratings after M6

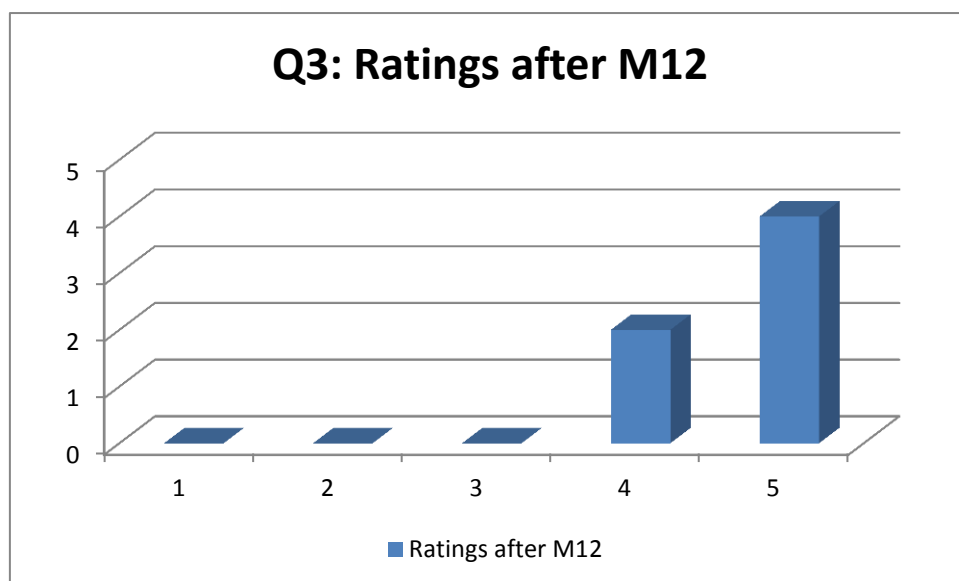


Figure 38: Question 3 - Ratings after M12

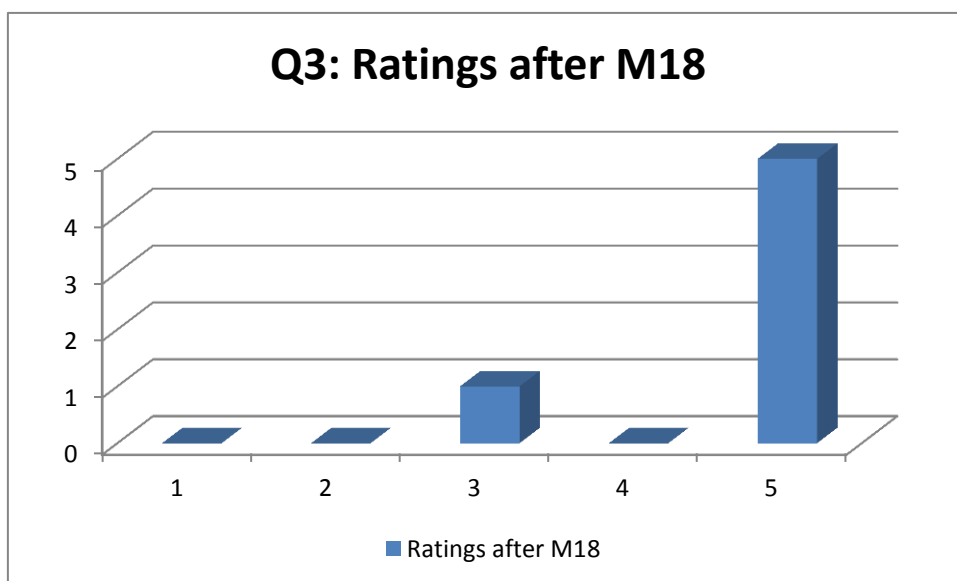


Figure 39: Question 3 - Ratings after M18

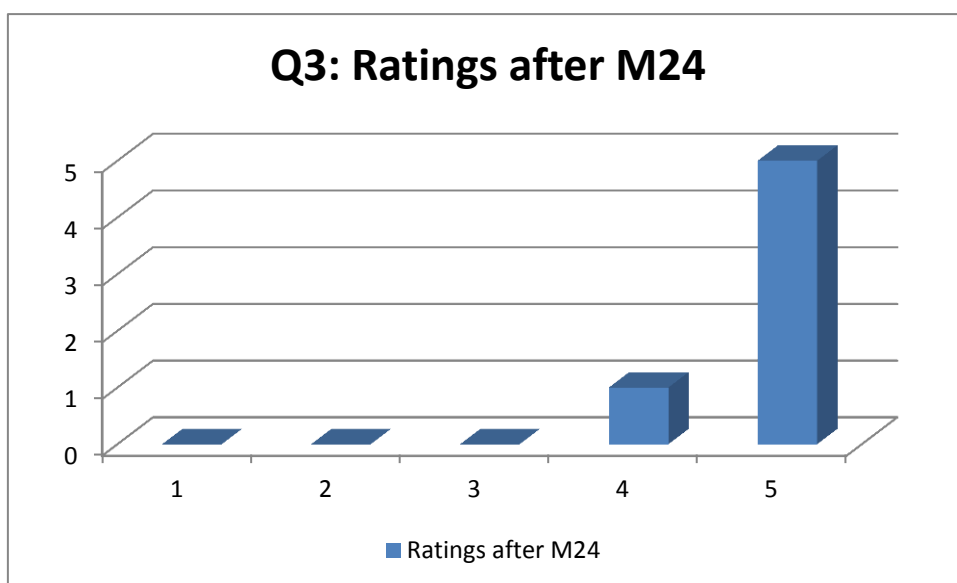


Figure 40: Question 3 - Ratings after M24

The development of the PURE-H2O outcomes were considered better and better in each rating demonstrating their very excellent and high quality development.

2.4 Question 4: How do you rate your contributions to the PURE-H2O project during the last six months?

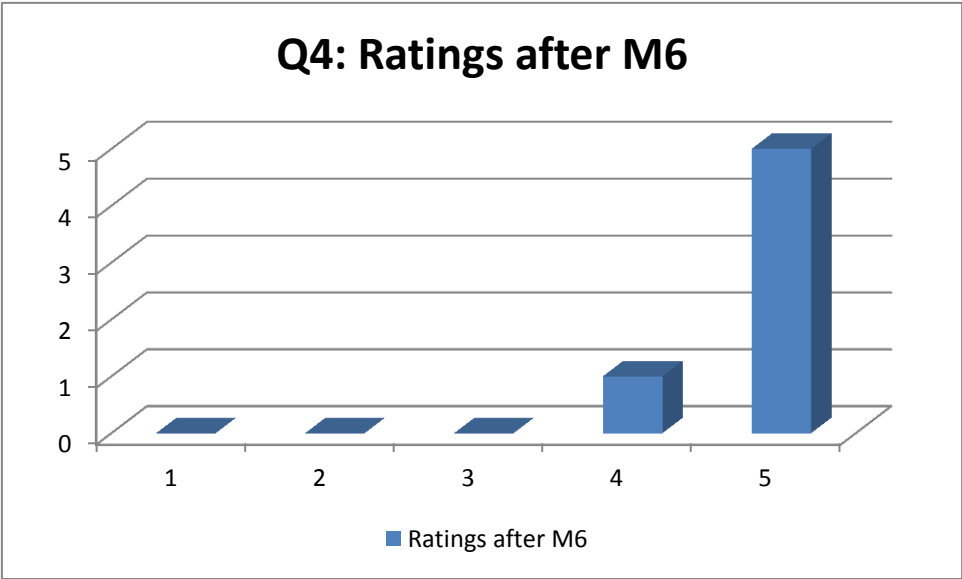


Figure 41: Question 4 - Ratings after M6

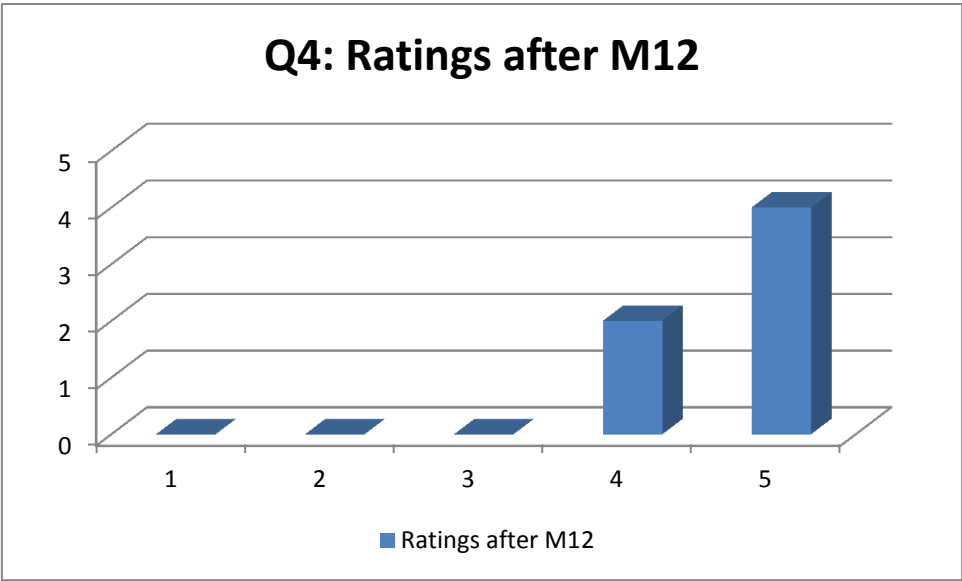


Figure 42: Question 4 - Ratings after M12

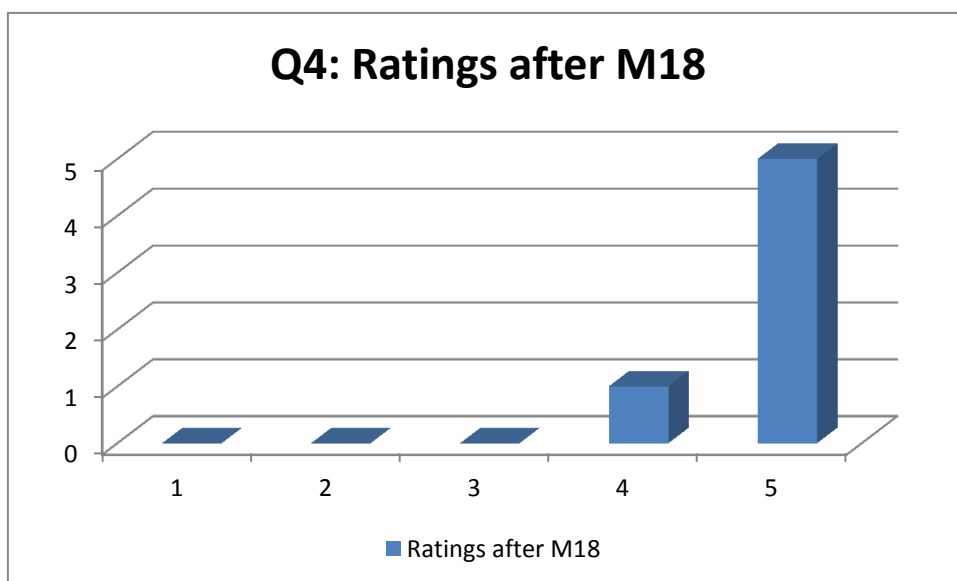


Figure 43: Question 4 - Ratings after M18

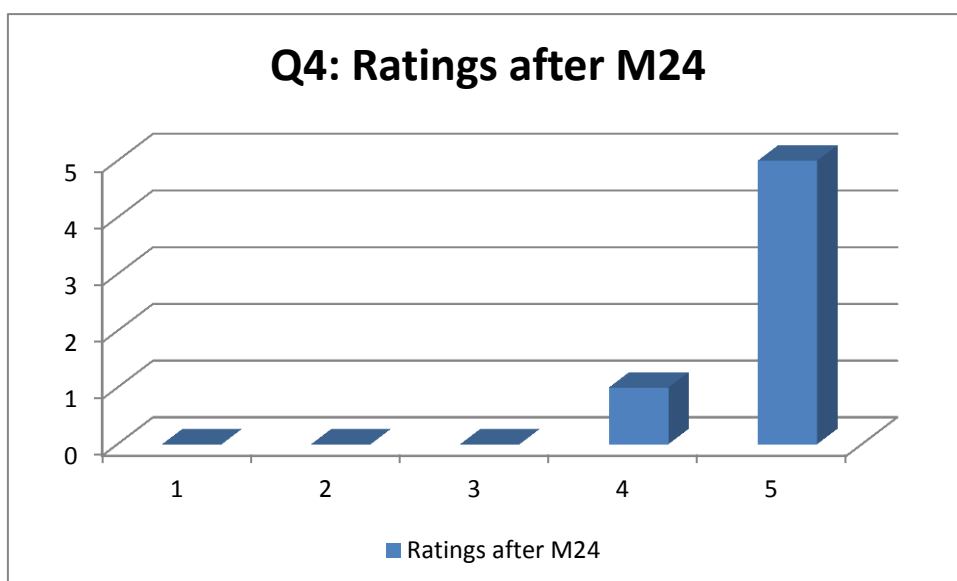


Figure 44: Question 4 - Ratings after M24

The own contributions were considered constantly very positive by the partners and have not even decreased a little bit until the end of the PURE-H2O demonstrating the estimated high quality.

2.5 Question 5: How do you rate the contributions by the other partners to the PURE-H2O project during the last six months?

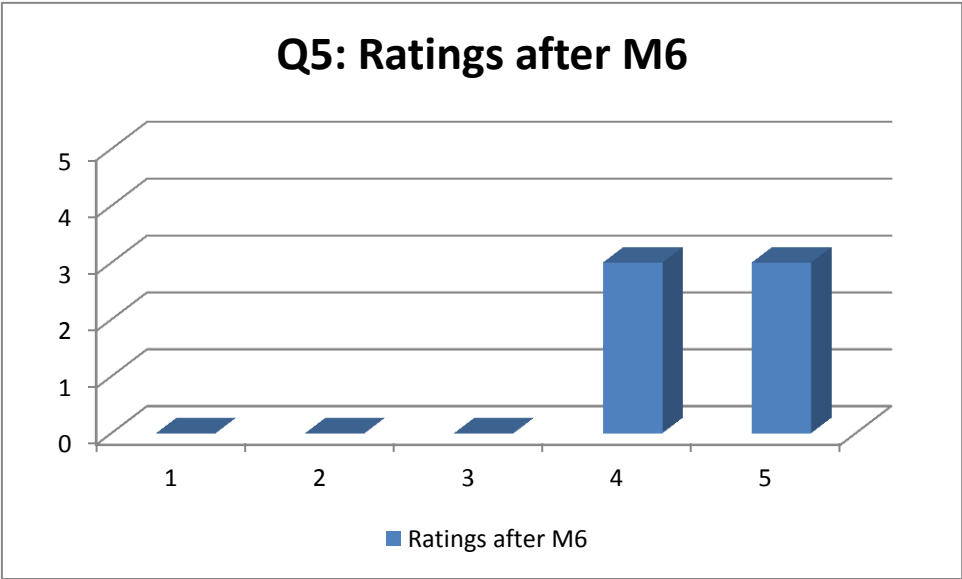


Figure 45: Question 5 - Ratings after M6

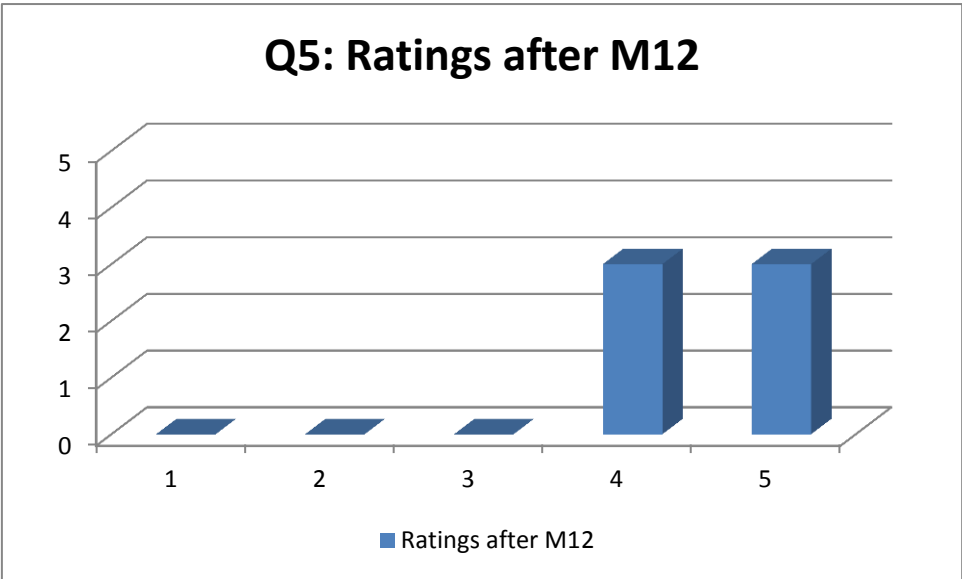


Figure 46: Question 5 - Ratings after M12

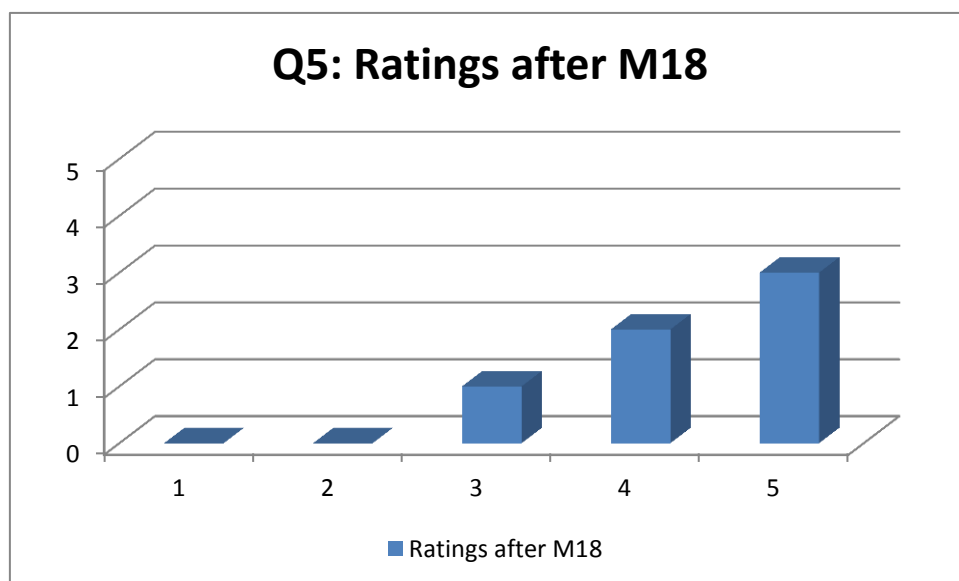


Figure 47: Question 5 - Ratings after M18

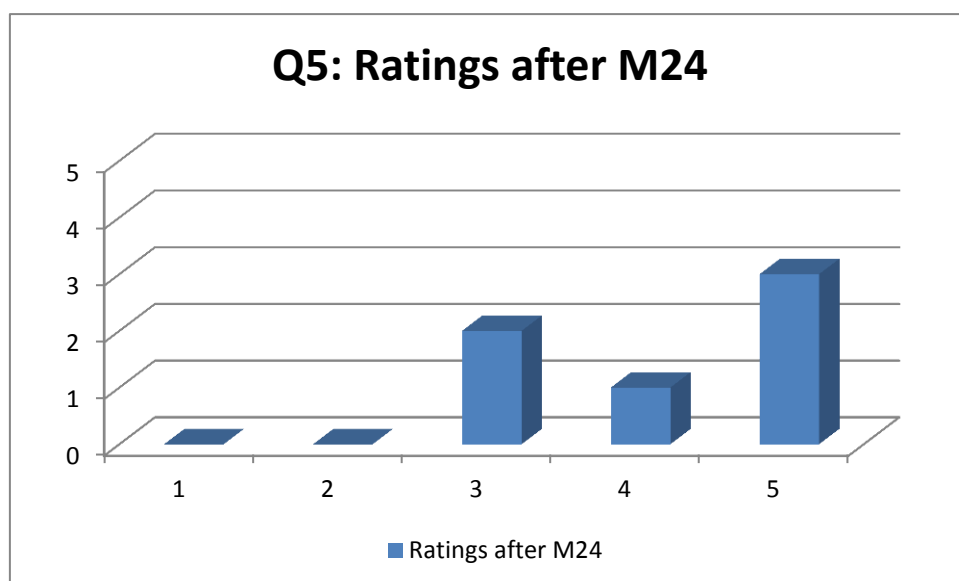


Figure 48: Question 5 - Ratings after M24

The contributions by other partners were considered constantly positive and decreased only a little bit until the end of the PURE-H2O what is a normal effect during project lifetime.

2.6 Question 6: How do you rate the project management of the PURE-H2O project during the last six months?

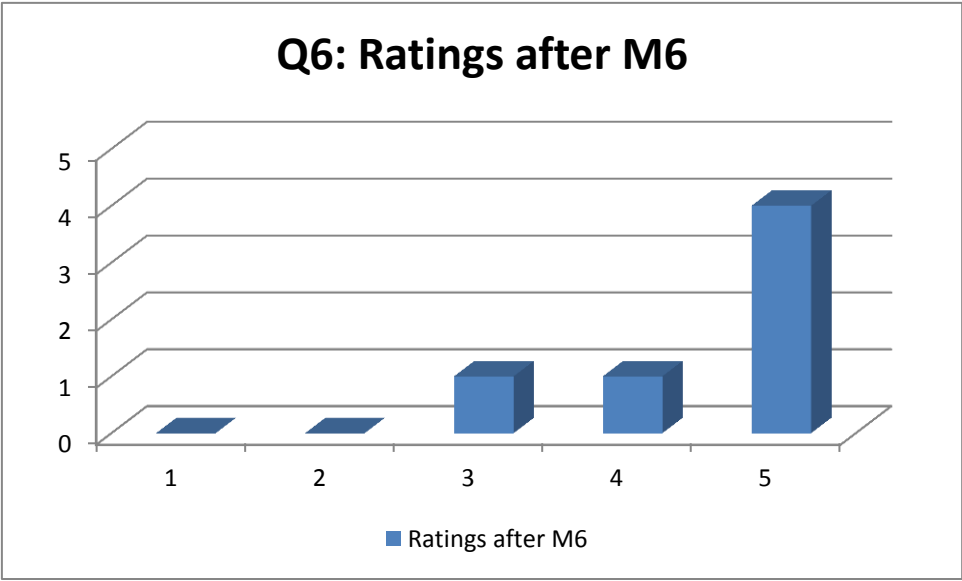


Figure 49: Question 6 - Ratings after M6

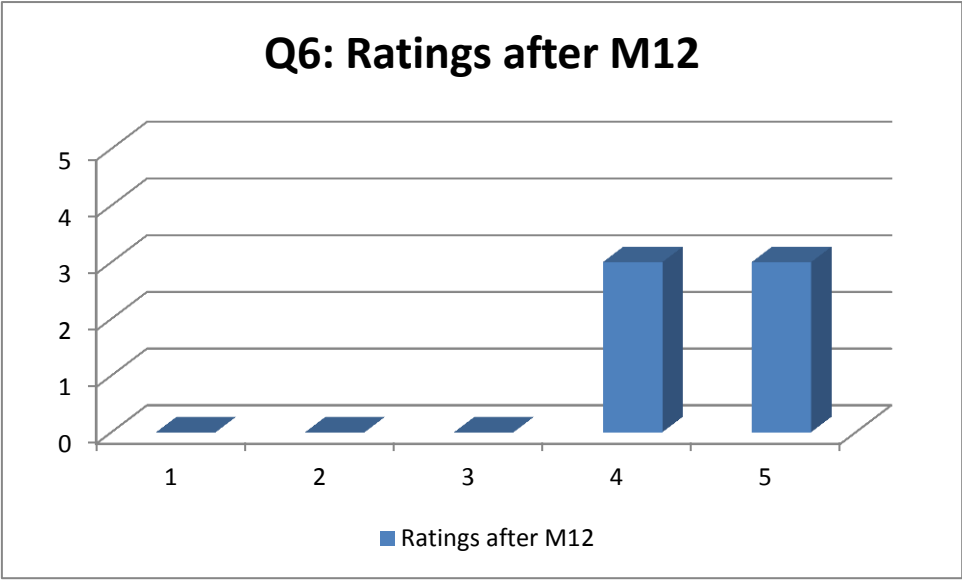


Figure 50: Question 6 - Ratings after M12

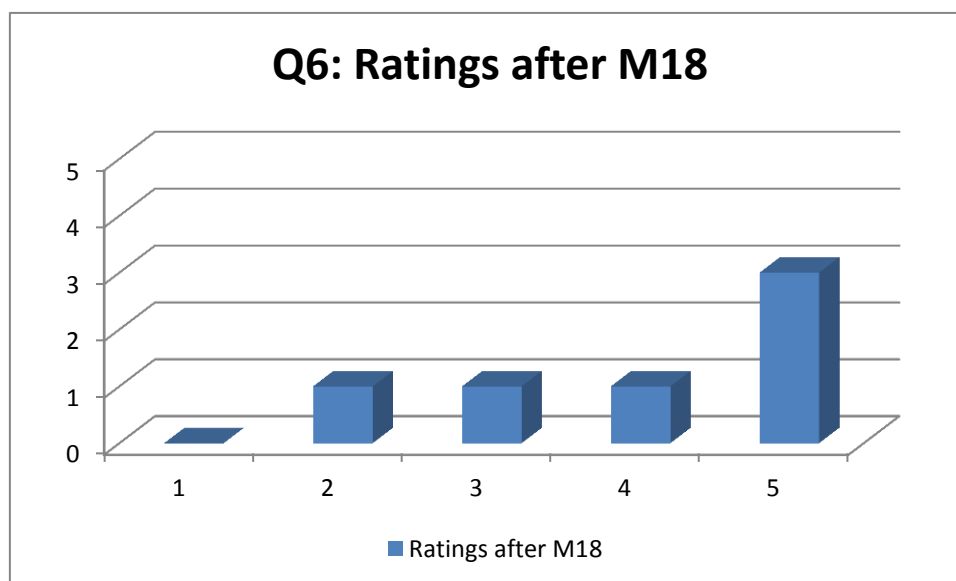


Figure 51: Question 6 - Ratings after M18

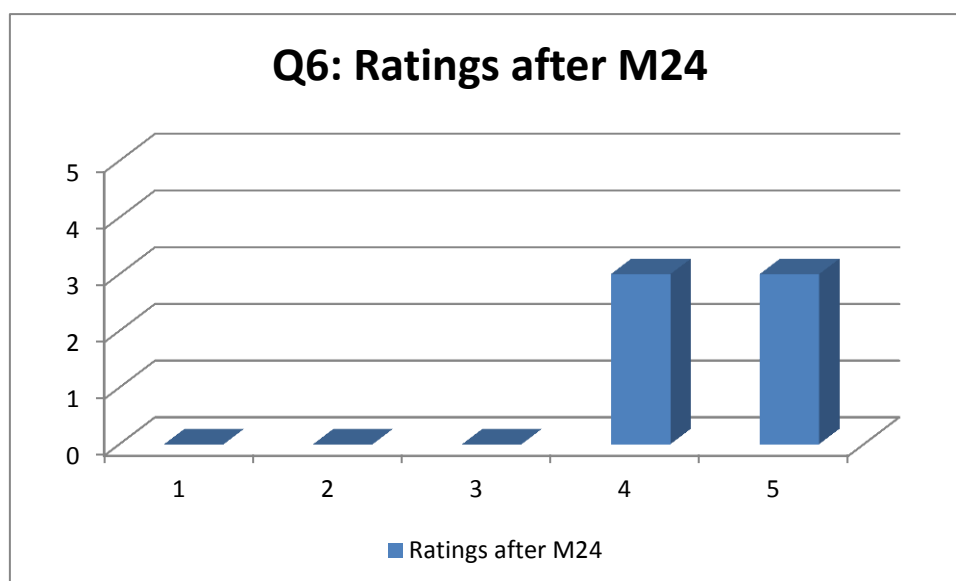


Figure 52: Question 6 - Ratings after M24

After an optimistic estimation at the beginning of the project (M6), there was a realistic balancing after M12.

The values after M18 were decreasing due to the second consortium meeting in Sofia that was also evaluated badly in the meeting questionnaires. Afterwards the values improved again, demonstrating the exceptional effect of the consortium meeting and good overall project management of PURE-H2O.

2.7 Question 7: How do you rate the project progress overall during the last six months?

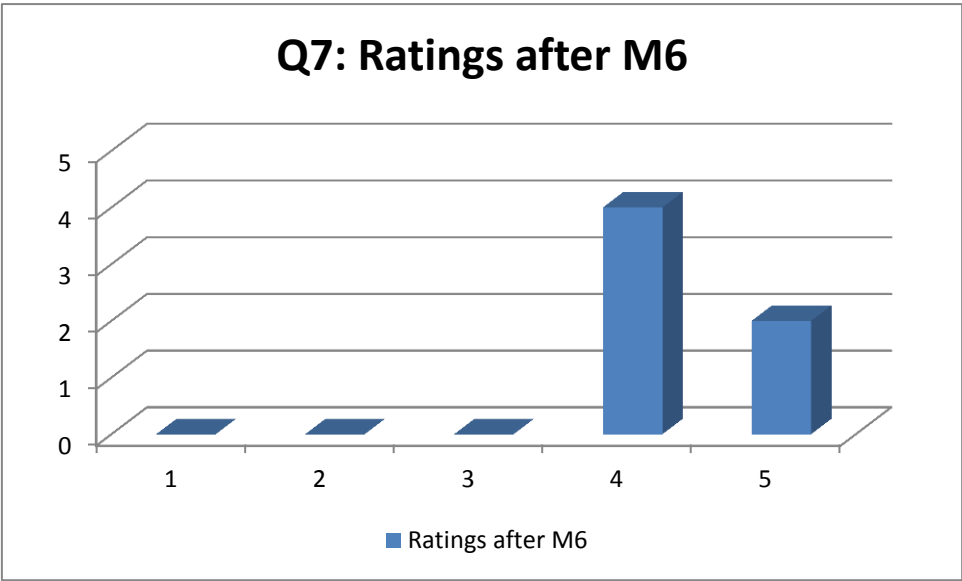


Figure 53: Question 7 - Ratings after M6

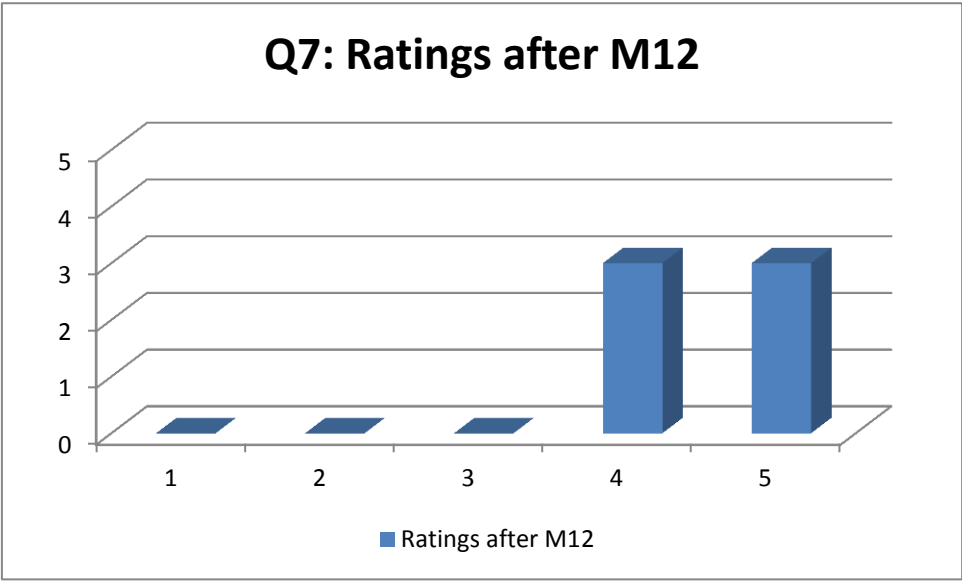


Figure 54: Question 7 - Ratings after M12

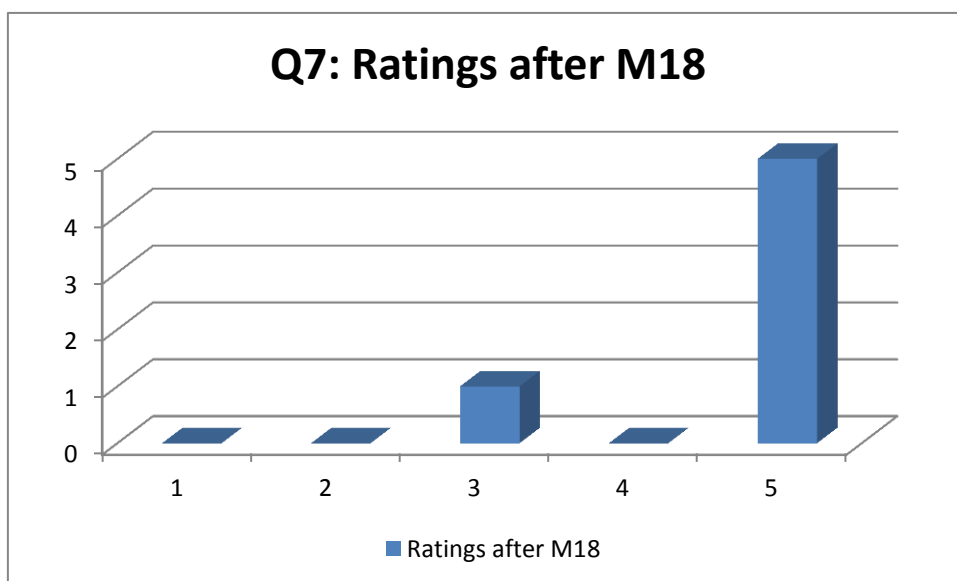


Figure 55: Question 7 - Ratings after M18

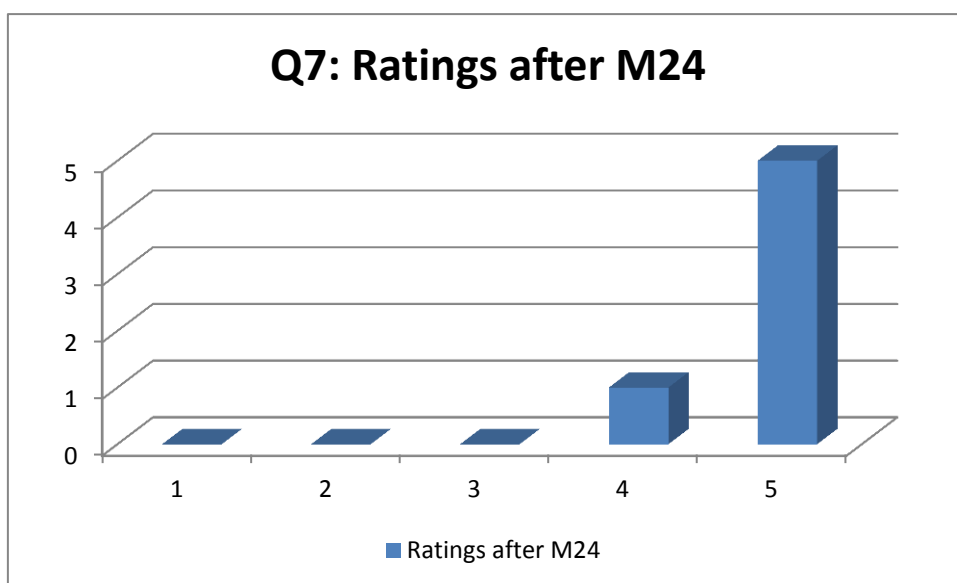


Figure 56: Question 7 - Ratings after M24

After an optimistic estimation at the beginning of the project (M6), there was a realistic balancing after M12. And then the values were only improving, demonstrating the very good overall progress of PURE-H2O.

## ANNEX: QUESTIONNAIRE TEMPLATE



### PURE-H2O: Implementation of ECVET for Qualification Design in Drinking Water Treatment Plants and Sanitation for Pure Drinkable Water

FOR INTERNAL REVIEW:

### PURE-H2O Progress Questionnaire (Version 1.0)

Your Name:	
Name of Your Organisation:	
Country of Your Organisation:	

In order to monitor i) the project itself as well; ii) the effectiveness of the management; iii) the identification of success factors and barriers within the partnership and iv) the effective planning future activities, it is useful to monitor the process of the project at every stage. This short questionnaire aims at monitoring the project progress of the PURE-H2O partnership by all project partners every six months.

#### Evaluation Scale:

1- Very Poor 😞😞, 2- Poor 😞; 3 – Satisfactory 😊; 4 – Good 😊, 5 – Excellent 😊😊

	1 😞😞	2 😞	3 😊	4 😊	5 😊😊
1. How do you rate the progress of the PURE-H2O project during the last six months?					
2. How do you rate the collaboration in the PURE-H2O project during the last six months?					
3. How do you rate the development of the planned outputs of the PURE-H2O project during the last six months?					
4. How do you rate your contributions to the PURE-H2O project during the last six months?					
5. How do you rate the contributions by the other partners to the PURE-H2O project during the last six months?					
6. How do you rate the project management of the PURE-H2O project during the last six months?					
7. How do you rate the project progress overall during the last six months?					

We assure you that your information will be treated with highest confidentiality.  
The data provided is processed and used exclusively for the purpose of evaluating the project PURE-H2O and its progress. No tracing of individual answers will be possible. The data sheets and process files will remain solely with the evaluators.  
Please send your feedback to [Christian.Stracke@ou.nl](mailto:Christian.Stracke@ou.nl)!

*Thank you very much for your contribution!*



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

PURE-H2O: Implementation of ECVET for Qualification Design in Drinking Water Treatment  
Plants and Sanitation for Pure Drinkable Water – 2014-1-TR01-KA202-013113  
<http://www.pure-h2o.org/>



## PURE-H2O: Implementation of ECVET for Qualification Design in Drinking Water Treatment Plants and Sanitation for Pure Drinkable Water

---

### **About PURE-H2O:**

#### ***Implementation of ECVET for Qualification Design in Drinking Water Treatment Plants and Sanitation for Pure Drinkable Water***



The rationale of the PURE-H2O project is oriented on enhancing the quality and performance of the European VET systems, improving information and guidance systems and strengthening the EU dimension in the operation of drinking water supply and development through promoting creativity, innovation and transfer of EQF principles in terms of increasing the qualification and training of the main target group in the sector.

One main focus of PURE-H2O is to share EU experience in the field of education and training to address the lack of mutual recognition of qualifications, often impaired by national restrictions. In order to achieve the set goals, the PURE-H2O project will pursue the following objectives:

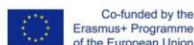
1. Definition of joint LO based Blended learning model in drinking water & treatment plants sector; establishment of innovative competence standard and qualifications description approach in terms of content and target audience.
2. Adaptation and development of VET courses in accordance to the define qualification model and implementation of EQF/ISCO/ESCO principles.
3. Use of ICT in training, teaching & learning activities. VET learning & teaching methodologies innovation.

More information about PURE-H2O online:

<http://www.pure-h2o.org/>

#### **PURE-H2O Contact:**

Project Manager: Associate Professor Dr. Christian M. Stracke  
Organization: Open University of the Netherlands (OUNL)  
E-Mail: [Christian.Stracke@ou.nl](mailto:Christian.Stracke@ou.nl)



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

PURE-H2O: Implementation of ECVET for Qualification Design in Drinking Water Treatment  
Plants and Sanitation for Pure Drinkable Water – 2014-1-TR01-KA202-013113  
<http://www.pure-h2o.org/>