

# REPORT

on

## PURE-H2O Multiplier Event 2 (PLANART-TURKEY)

### 1. Summary of the session

The **Multiplier Event** was held on 28<sup>th</sup> of November, 2016 at Gazi University, Chemical Engineering Dept. to improve, share ideas and experiences on the outputs to maximize the effective use of the results after the end of project. Thus, sustainability of the outputs is provided.

The Participants of the workshop were chosen among environmental experts working for implementary organisations of Water Related Public and Private Sector and academy. (Ministry of Environment and Urbanisation, Municipality, staff of Planart, Alya, Gazi University, etc.) Their professions are; environmental engineers, chemistry engineers, chemists, civil engineers, mapping engineers, technicians. They are invited from different organisations and different professions to provide diversity.

The purposes of the event were:

- 1) To gather and inform the environmental experts in public and private authorities who will be benefited directly from the outputs of the Project.
- 2) To discuss the ways of effective and efficient use of the outputs, with the participants.
- 3) To gather different ideas and experiences of staff working for different water related institutions.

Table 1: Basic data on the events

Partner No	No of the event	No of participants	Date	Supporting materials
P3	2	15	28 November 2016	<input type="checkbox"/> “Drink Purified H2O! A guide for the Drinking Water Treatment Plants” English and Turkish books <input type="checkbox"/> PURE-H2O e-learning (access and tutorial for use) <input type="checkbox"/> Newsletters, <input type="checkbox"/> Leaflets of the project, <input type="checkbox"/> Poster, <input type="checkbox"/> Questionnaires/Inquiry form

## 2. Performance of the event

There were 15 participants from different organisations and different professions. There were environmental engineers, city planners, mapping engineers, chemist and chemistry engineers, ecologist, water products engineers, civil engineer, technician. The participant list is given in Appendix.

The event schedule is given in Table2.

Table 2: Workshop event schedule

9:30-10:00	Welcoming and meeting with participants
10:00-11:00	Introduction of European Union projects, examples, benefits and uses of these projects
11:00-11:30	Presentation of the PURE-H2O project (aims, WPs, etc.)
11:30-11:45	Coffee Break
11:45-13:00	The definition of e-learning is given and an example of training is given from the selected modules
13:00-14:00	Lunch
14:00-15:00	Presentation of the book “Drink Purified H2O! A guide for the Drinking Water Treatment Plants”, PURE-H2Oe-learning model: operation and

	application
15:00-16:00	Discussion on the effective usage of the outputs with the participants
16:15-16:30	Break
16:30-17:00	Discussion on the effective usage of the outputs with the participants
17:00-18:00	Presentation of self-assessment procedure and distribution of questionnaires

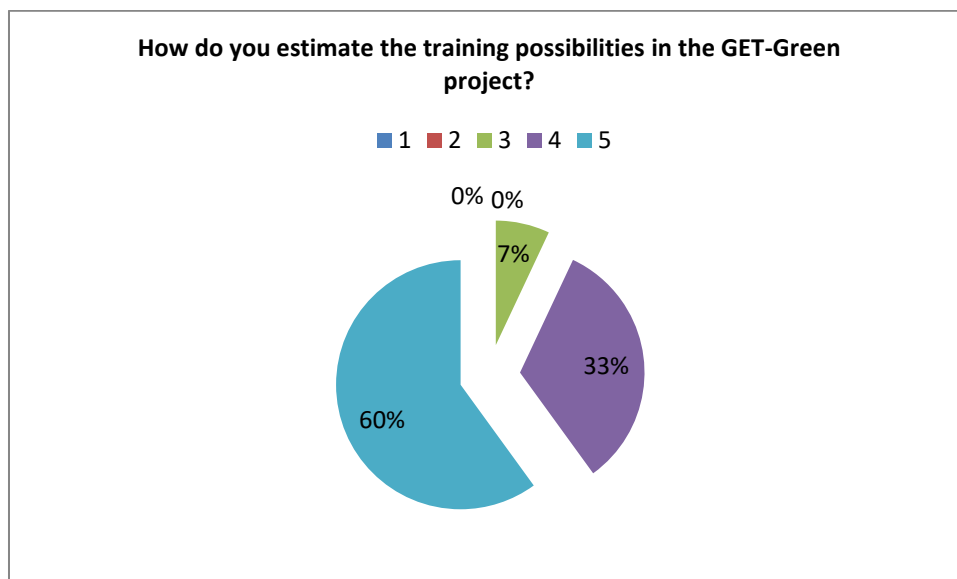
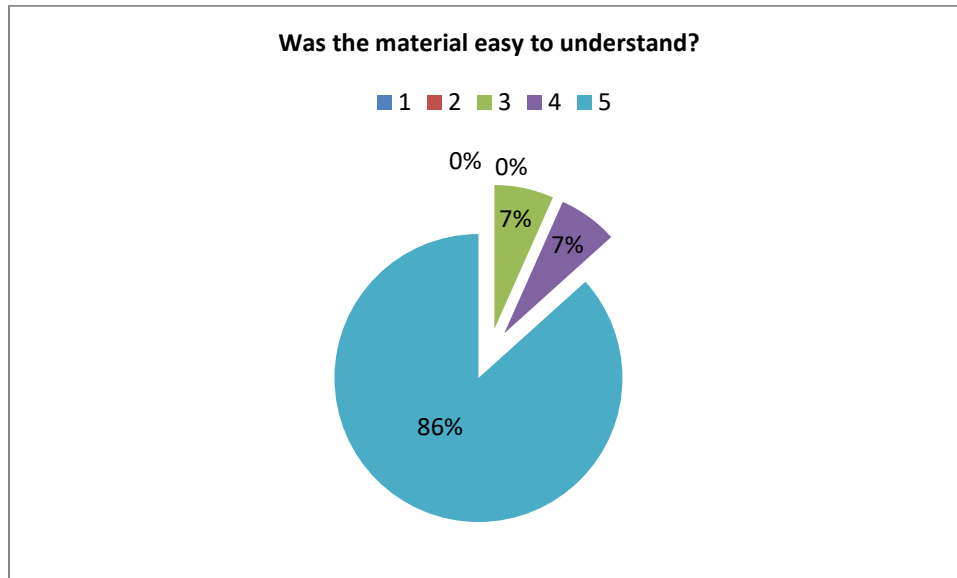
### 3. Questionnaire/Inquiry data and results

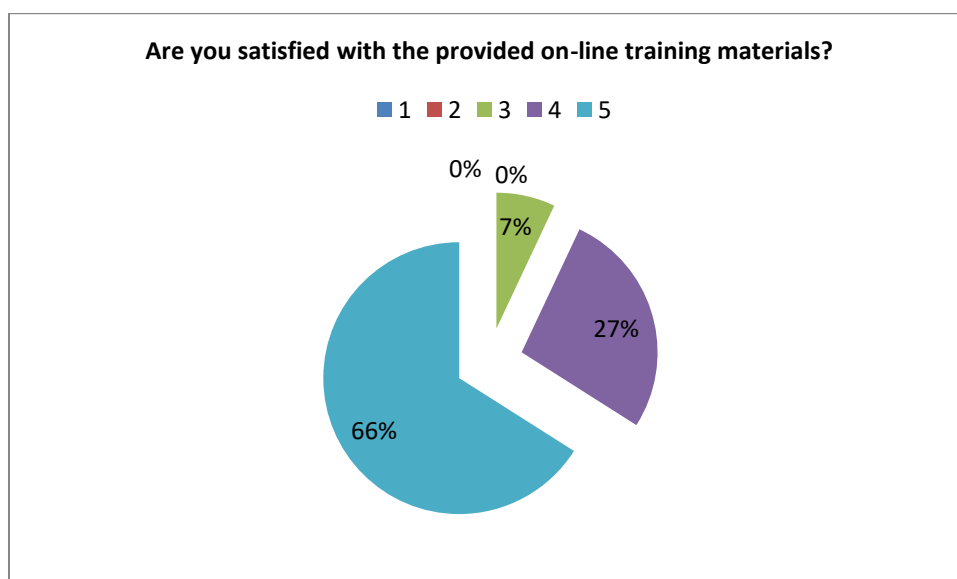
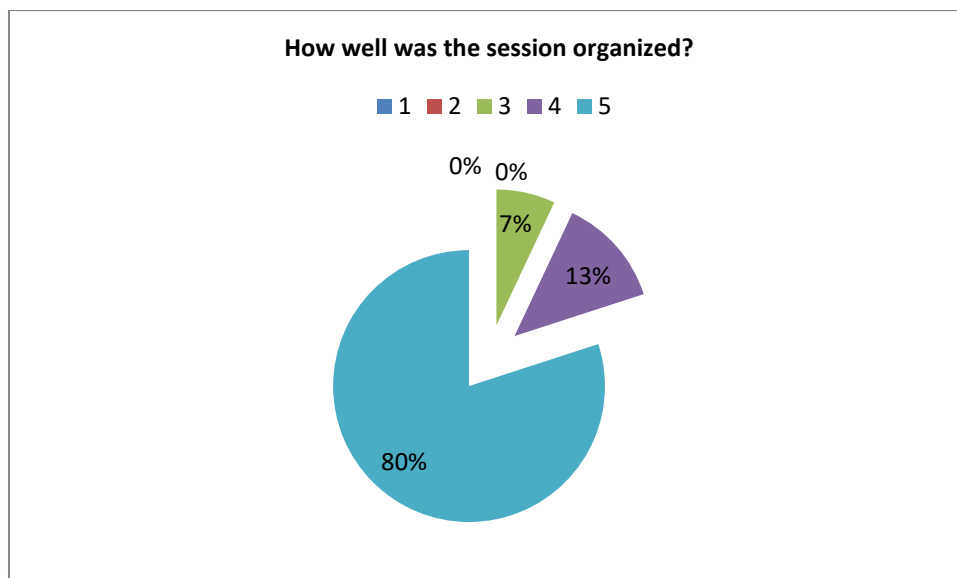
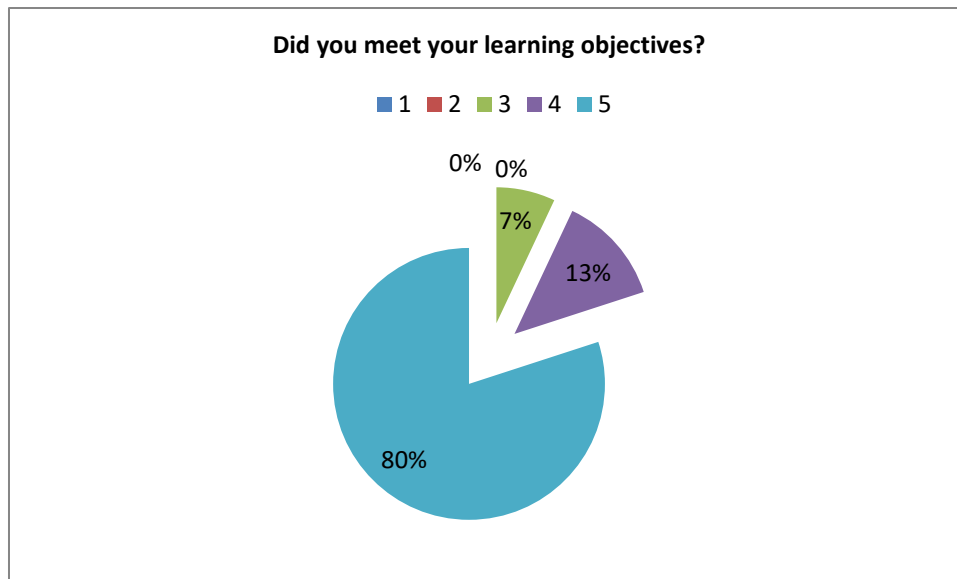
Table 3: PURE-H2O model questionnaire data

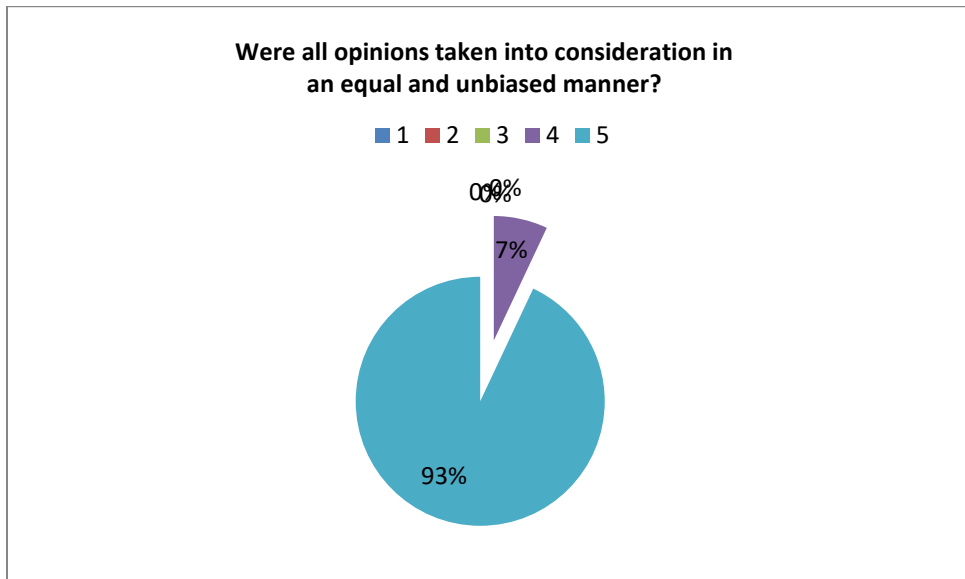
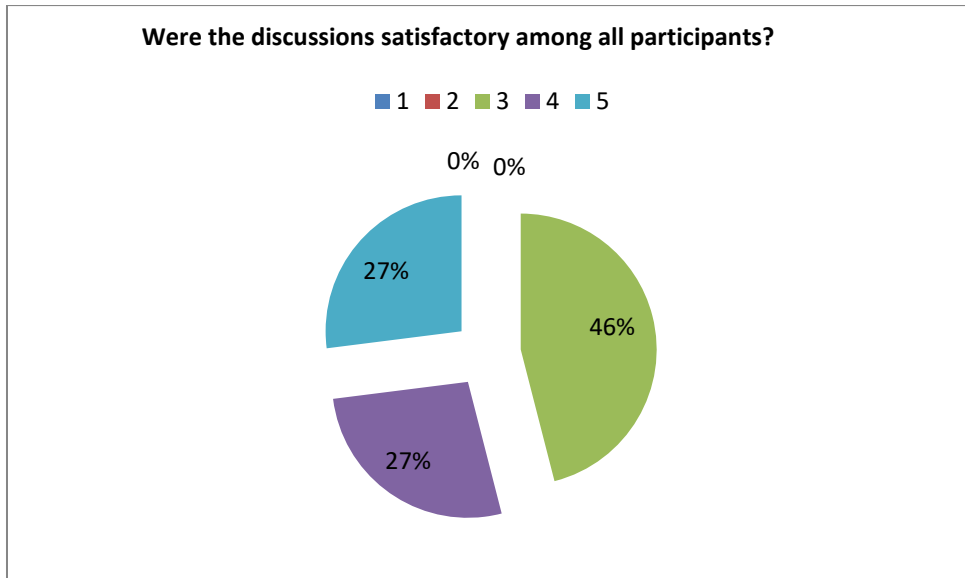
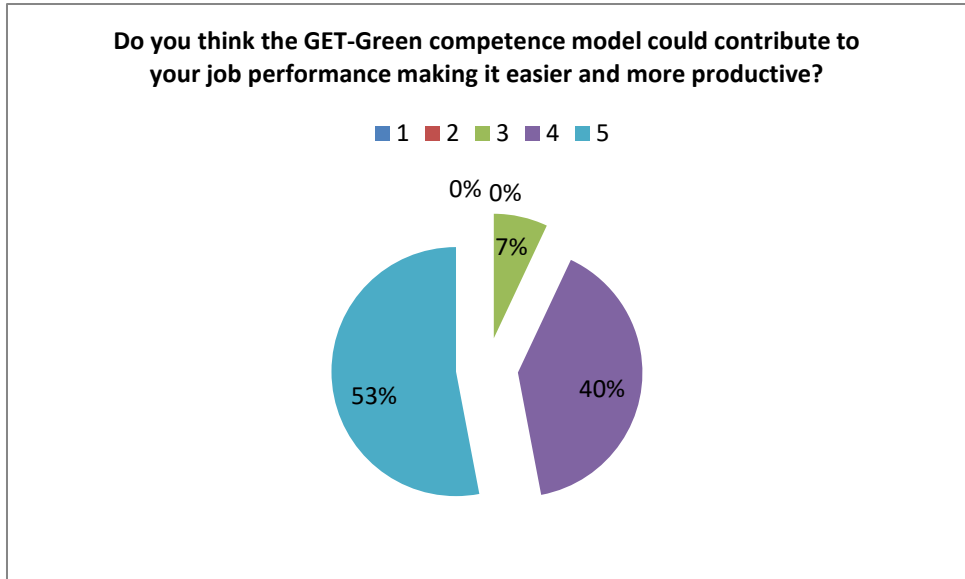
Series	Questions	Evaluation grade* / Percentage				
		1	2	3	4	5
1	Was the material easy to understand?	0	0	1 7%	1 7%	13 86%
2	How do you estimate the training possibilities in the PURE-H2O project?	0	0	1 7%	5 33%	9 60%
3	Did you meet your learning objectives?	0	0	1 7%	2 13%	12 80%
4	How well was the session organized?	0	0	1 7%	2 13%	12 80%
5	Are you satisfied with the provided on-line training materials?	0	0	1 7%	4 27%	10 66%
6	Do you think the PURE-H2O competence model could contribute to your job performance making it easier and more productive?	0	0	1 7%	6 40%	8 53%
7	Were the discussions satisfactory among all participants?	0	0	7 46%	4 27%	4 27%
8	Were all opinions taken into consideration in an equal and unbiased manner?	0	0	0	1 7%	14 93%
9	Did all participants approve next steps and future activities?	0	0	2 13%	6 40%	7 47%
10	Did all participants commit for follow up?	0	3 20%	8 53%	3 20%	1 7%
11	I will suggest PURE-H2O Project and its products to my peers.	0	0	0	1	14

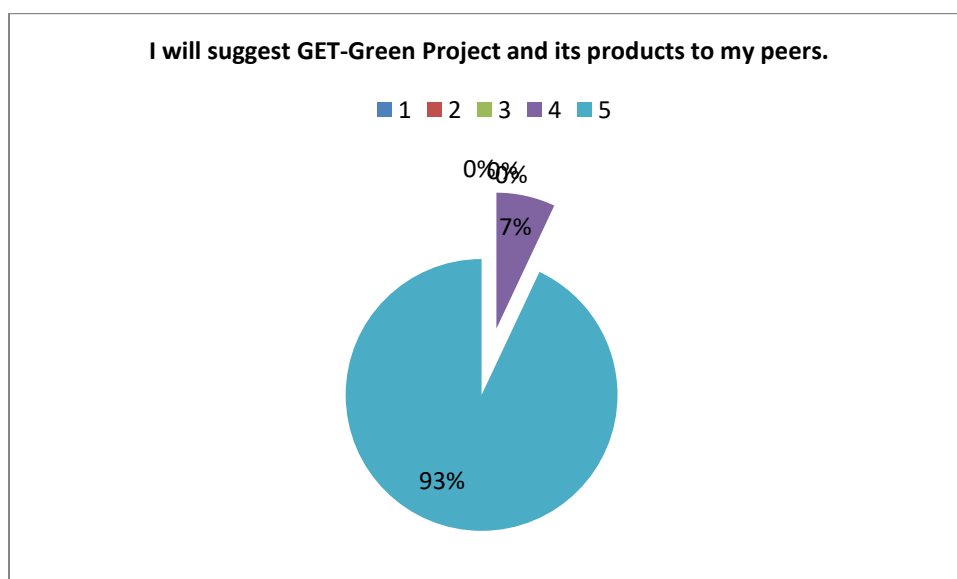
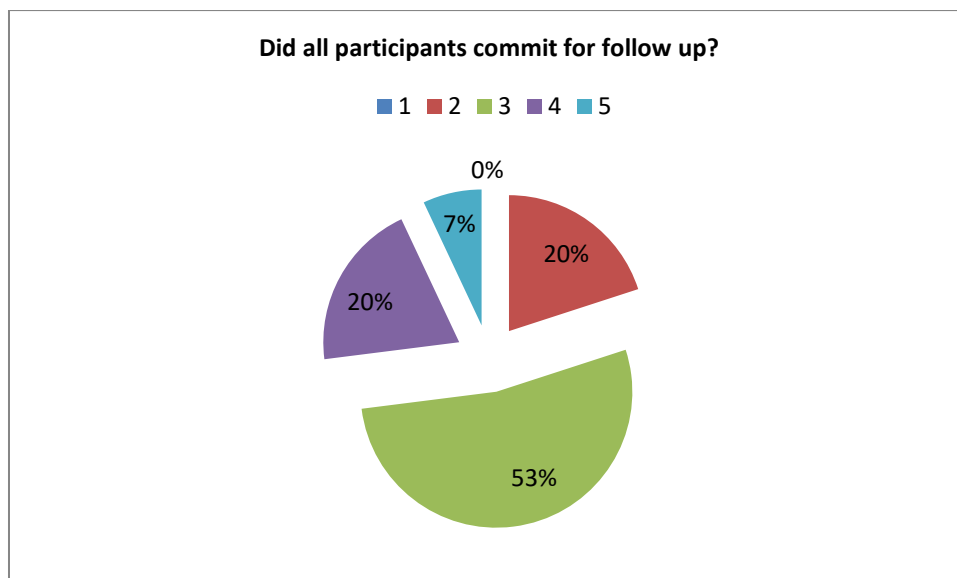
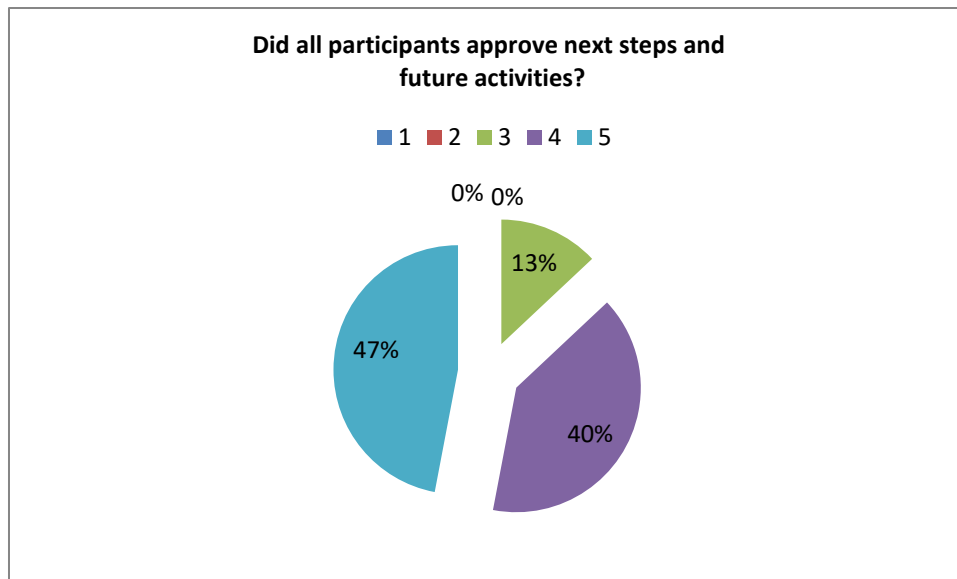
					7%	93%
	<b>Average</b>		<b>2%</b>	<b>14%</b>	<b>21%</b>	<b>63%</b>

\* Evaluation scale: 1 – not at all satisfied/fully disagree; 2 – unsatisfied/disagree; 3 – partly satisfied/partly disagree; 4 – satisfied/agree; 5 – fully satisfied/fully agree









#### 4. Opinions and recommendations (of the participants)

- PURE\_H2O project is an interesting and important subject.
- Purification of Water is a significant topic.
- The multiplier event was very well organized.
- This will help my future professional development.
- The competence areas are well defined in training materials.
- Most of the participants reflected that they easily understood the learning materials including on-line training materials. Improvement studies done following ME1 on materials lead this result.
- The training possibilities found to be beneficial by most of the participants.
- Since the learning materials were prepared according to the needs analysis, the participants were satisfied with the objectives.
- PURE-H2O competence model is a new concept in Turkey. Its contribution to job performance is expected to increase in time.
- Diversity of the participants and their contributions, sharing experiences enriched discussions.
- Participants think that the outputs of the project are very useful and they will benefit from it. However, since they are technicians, not decision makers, they have difficulties in committing for future steps and activities. But they will definitely disseminate the outputs among their colleagues.

#### 5. Conclusion

The result of the workshop shows us that the quality of the training materials are well, technical information given in the training materials are satisfactory. E-learning content is well organized. The materials are easy to understand.

These types of events can be repeated for the dissemination of the project results since they are interesting and significant.

Environmental experts in public and private authorities who will be benefited directly from the outputs of the project were gathered and informed by this workshop. Beneficial feedbacks were obtained.

It is agreed upon a successful online learning material was produced by this project. This will be helpful for future activities in drinking water treatment sector.

Alternative ways for effective use of the outputs both by public and private sector were discussed. The participants will promote the outputs in their own organisation and try to increase use opportunities

The contribution of this multiplier event can be summarized as;

- Different perspectives of different disciplinary were set forth.
- Different perspectives of participants from different organizations were set forth.
- It was appreciated that the outputs are practicable.
- It was emphasized that these types of events support dissemination of the project.
- The products will help further professional development and better competences.
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#### 6. Some photographs of testing event.





**APPENDIX – Participation List**

Date: 28.Nov.2016

Place: Gazi University, Chemical Eng. Dept.

Name of the Multiplier Event:

Date:

Place:

Name Surname	Organisation	Organisation address	Profession	e-mail	Signature
M. Tank DUTEMUS	Güvenç Sektör Teknoloji	Eskişehir-Dolu 5 km.	Kimyasal Müh.	faciltemus@hotmail.com	
Umutlu TÜRKÜKÜ	Sağ Üni. Sektör Fak. EGE	Sakarya Ed. Mülk. Bölümü	Kimyasal Müh.	mutluturku@hobit.com	
Aslı STELLERGÖZÜ	Antalya Alparçaklar Akad.	Emirler Mah. Akad. Yolu	Kimyacı	asli.stellergozu@gmail.com	
Can Elmas BAĞIŞ	İTÜZİ. Üniversitesi	Celal Bayar Bulv. Mollerge	Prof. Dr.	canbagis@gmail.com	
R. Coşkun ÇELİK	Gazi Üniversitesi	Gazi Üniversitesi Dışarı Çevresi	Asst. Prof. Dr.	celikco@gmail.com	
Meltem YILMAZ	Gazi Üniv.	Gazi Üniversitesi Toprak Bilimi	Asst. Prof. Dr.	meltemyilmaz@gmail.com	
Fevriye YILDIRIM	Gazi Üniv.	Gazi Üniv. FBE Bölümü	Asst. Prof. Dr. Ecolog	fevriyeyildirim@gmail.com	
Nedim ERGÜZÜMÜŞ	Planart Planlama	Eskişehir Mah. Akad. Yolu	Asst. Prof. Dr. Ecolog	nedimerzumus@gmail.com	
Sımsık YILMAZ	Planart Planlama	Eskişehir Mah. Akad. Yolu	Sektör Profesörü	simstkg@gmail.com	
Yolcu YILMAZ	Planart Planlama	Eskişehir Mah. Akad. Yolu	Yeni Uzman	yolcu925@gmail.com	
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İsmail SÜKÜK	Alpa Proje	C. Akad. Mah.	Tekniker	ismail.sukuk@gmail.com	
Gülden AKGÜN	Alpa Proje	C. Akad. Mah.	Mühendislik	guldenakgun@gmail.com	
Selma YUSUFKÜ	Alpa Proje	C. Akad. Mah.	Mühendislik	selmayusufku@gmail.com	
Ahmet KURBANCI	Alpa Proje	C. Akad. Mah.	Mühendislik	ahmetkurban@gmail.com	