

SUSTAIN UPDATED EXPERT'S REPORT

<http://www.sustain-project.eu>

I. The number of teachers & schools took part in the test-implementation:

Up to now, there have been testing practices by 28 different teachers as 60 sample lesson plan implementations at 10 different schools in Istanbul. The distribution of these lesson plans are as follows: 29 lesson plans were taken from Romanian partners, 13 lesson plans from Bulgarian partners and 13 lesson plans from Italian partners, 5 lesson plans from Turkey were also implemented.

No	Implementer teacher	Lesson title	School	Level	Date	Lesson owner / Country	Pictures / Video
1	Selmin Erhan	To protect nature!	Doga - Atasehir	Primary	13.12.2012	Mariana Bratescu / Romania	Pictures
2	Sevinc Karakas	Environment Using Waste	Doga - Bostanci	Primary	14.12.2012	Oana Paunescu / Romania	Pictures Video
3	Ramazan Sezer	Recycling means of protecting natural resources	Doga - Kartal	Primary	07.03.2013	Ilinca Georgiana / Romania	Pictures
4	Duygu Sagiroglu	I love my home, my school and my country. Part II – connecting classrooms trough IWBs	Doga - Acarkent	Primary	07.03.2013	Alexander Angelov / Bulgaria	Pictures
5	Mine Calioğlu	We are able together	Doga - Acarkent	Primary	07.03.2013	Cristina La Rocca / Italy	Pictures
6	Nuray Gunes	Ants and ladybugs	Doga - Beykoz	Pre-primary	07.03.2013	Lyubka Minkova / Bulgaria	Pictures
7	Esra Inal	Forest	Doga - Kartal	Primary	07.03.2013	Dinca Elvinia / Romania	Pictures
8	Gulsevrim Erbil	Air air everywhere	Doga - Beykoz	Pre-primary	08.03.2013	Svetlana Hrisova / Bulgaria	Pictures
9	Fatma Selami	Play Group. Recreation Right	Doga - Acarkent	Primary	08.03.2013	Carmen Alexandra Miricioiu / Romania	Pictures
10	Gulsah SAHIN	Let's Play With Food	Doga - Beykoz	Primary	15.04.2013	Maggiore Guida / Italy	Pictures
11	Selin ELCIN, Selcen Ogutcen Avci	The Nature Our Friend Pencil, The Little	Doga - Kurtkoy	Primary	14.05.2013	Solomon Cristina Elena / Romania	Pictures
12	Sibel Alp	Earth - My favorite blue ball	Doga	Primary	21.05.2013	Iglika Angelova / Bulgaria	Pictures
13	Duygu Dunya Onen	In The World of Plants	Doga - Beykoz	Primary	05.06.2013	Nadya Velislavova Doycheva / Bulgaria	Pictures
14	Selcen Ogutcen Avci	Maths is joy!	Doga	Primary	10.06.2013	Anelia Nikolova / Bulgaria	Pictures
15	RAMAZAN SEZER	Reading with Predictions	Doga - Kartal	Primary	11.06.2013	Petrescu Andreea / Romania	Pictures
16	Sevinc Karakas	The role of the root and stem in the plant life	Doga - Bostanci	Primary	11.06.2013	Petrescu Andreea / Romania	Pictures
17	Duygu Sagiroglu	Try walking my shoes	Doga - Acarkent	Primary	11.06.2013	Serafina Turdo / Italy	Pictures
18	Selcen Ogutcen Avci	Sincerity and lie	Doga	Primary	11.06.2013	Rebiana Petrescu / Romania	Pictures
19	Gokce Hilal	My face	Doga - Kartal	Primary	11.06.2013	Paunescu Liliana / Romania	Pictures

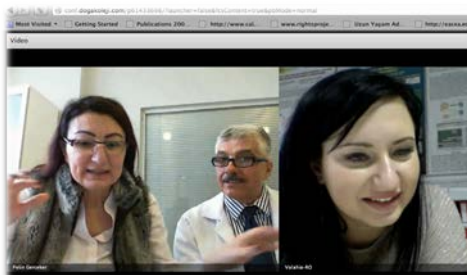
	Gobekcin						
20	Duygu Sagiroglu	Differences between people	Doga - Acarkent	Primary	12.06.2013	Pincovici Alina-Ivona / Romania	Pictures
21	Dilek Uyan	Community Mapping	Doga - Atasehir	Primary	12.06.2013	Soad Ibrahim / Italy	Pictures
22	Erdinc Kalintas	Moral Values	Doga	Primary	12.06.2013	Rebiana Petrescu / Romania	Pictures
23	Emine Ulusal Celik	The City of Children	Doga - Atasehir	Primary	13.06.2013	Serena Fleres / Italy	Pictures
24	Esra Erdemli Ozdemir	Let's Go... Green and Friendly!	Doga - Beykoz	Primary	13.06.2013	Carmen Gherghinoiu / Romania	Pictures
25	Esra Erdemli Ozdemir	Our School Yard	Doga - Beykoz	Primary	13.06.2013	Anelika Nankova / Bulgaria	Pictures
26	Sabriye Beksen	The Variety of Flora in our Country	Doga - Beykoz	Primary	13.06.2013	Daniela Ivanova Kazandzhieva / Bulgaria	Pictures
27	Beyza Aydin	Circle of water	Doga - Atasehir	Primary	13.06.2013	Artemisa Yaneva / Bulgaria	Pictures
28	Selmin Erhan	Paper	Doga - Atasehir	Primary	14.06.2013	Petrescu Andreea / Romania	Pictures
29	Gokce Hilal Gobekcin	Protecting the Environment	Doga	Primary	01.10.2013	Stancu Maria / Romania	Pictures
30	Beyza Aydin	ANIMALS: "HELP US"	Doga	Pre-primary	08.10.2013	Evgeniya Petrova, Florentina Radu, Tvesti Beard, Beyza Aydin, Ayse Yeliz Duran / Bulgaria, Romania & Turkey	Pictures
31	Selcen Ogutcen Avci	My toy is for you!	Doga	Primary	09.10.2013	Gokce Hilal Gobekcin, Fabiola Menzoiuso, Vesela Ruseva, Liliana Paunescu / Turkey, Italy, Bulgaria, Romania	Pictures
32	Ramazan SEZER	Listen to the voice of nature	Kartal Doga College	Primary	09.10.2013	Vesela Ruseva / Bulgaria	Pictures
33	Dilek Uyan	Healthy mind in a healthy body. Students daily program.	Atasehir Doga Ilkokulu	Primary	11.10.2013	Radu Florentina / Romania	Pictures
34	Esra Erdemli Ozdemir	Differences between people	Çamlıca Doga Primary School	Primary	11.10.2013	Rebiana Petrescu / Romania	Pictures
35	Lebriz Bakir	Day of the Bulgarian Folklore	Kurtkoy Doga Primary School	Primary	11.10.2013	Vilma Antonova, Vasilka Mikova, Stavri Angelov / Bulgaria	Pictures
36	Aysegul Tutuncu	Friendship	Doga College	Primary	11.10.2013	Coman Alexandra / Romania	Pictures
37	Ayşegül Tütüncü	Secure Living	Doga Primary School	Primary		Duygu Sağıroğlu / Turkey	Pictures
38	Hilal Gelişken	Add with carry (ADC)	Kartal Doga Primary School	Primary		Dilek Abdürrezzak / Turkey	Pictures
39	Ramazan Sezer	We are able together	Kartal Doga Primary School	Primary		Cristina La Rocca / Italy	Pictures
40	Ramazan Sezer	Sincerity and Lie	Doga Primary School	Primary		Rebiana Petrescu / Romania	Pictures
41	Nalan Arıkan	People & Management	ACIBADEM PEARSON DOGA SCHOOL	Primary	18.11.2013	Hazel ERCAKIR, Nursel Demet NIMMELI, Hesna YILMAZ, Hilal GELISKEN, Alparslan KAMANLI	Pictures
42	Ayşe Nihan Atamedede	Me and My Friend	Kurtkoy Doga Primary	Primary	18.11.2013	Dinca Maria and Ene Ana-Maria / Romania	Pictures

			School				
43	Hülya Topçu	The bridge of cultures	Doga Primary School	Primary	12.11.2013	Serena Fleres / Italy	Pictures
44	Hafize Çaycı	The bridge of cultures	Doga Primary School	Primary	14.11.2013	Serena Fleres / Italy	Pictures
45	Selcen Öğütçen	The city of children	Kurtköy Doga Primary School	Primary	08.11.2013	Serena Fleres / Italy	Pictures
46	Destina Hiçdönmez	Community Mapping	Doga Primary School	Primary	11.11.2013	Soad Ibrahim / Italy	Pictures
47	Destina Hiçdönmez	Try walking in my shoes	Doga Primary School	Primary	15.11.2013	Serafina Turdo / Italy	Pictures
48	Hülya Topçu	The ID card of my classroom	Doga Primary School	Primary	14.11.2013	Tlzia Giordano / Italy	Pictures
49	Zübeyde Belenlioğlu	Differences between people	Doga Primary School	Primary	18.11.2013	Pincovici Alina / Romania	Pictures
50	Lidia Kozlova	Similar but different	Doga Primary School	Primary	15.11.2013	Gheorghe Mihaiela / Romania	Pictures
51	Tuççe Mine Çakır	Moral Values	Doga Primary School	Primary	13.11.2013	Rebiana Petrescu / Romania	Pictures
52	Gökçe Hilal Göbekçin	I Love My Home, My School and My Country Part II	Kurtköy Doga Primary School	Primary	11.15.2013	Alexander Angelov /Bulgaria	Pictures
53	Dilek Abdurrezzak	Our Cultural Values	Kurtköy Doga Primary School	Primary	20.11.2013	Duygu Deniz Sağıroğlu	Pictures
54	Zeynep Kardaş	People & Management	Kurtköy DOGA SCHOOL	Primary	12.11.2013	Hazel ERCAKIR, Nursel Demet NIMMELI, Hesna YILMAZ, Hilal GELISKEN, Alparslan KAMANLI / Turkey	<u>Pictures</u>
55	Gökçe Hilal Göbekçin	Groups, Institutions and Social Organizations	Kurtköy Doğa School	Primary	20.11.2013	Birnur KOÇTÜRK, Merve TOMBUL, Sibel ALP, Tolga ÜNKER, Zübeyde BELENLİOĞLU, Zeynep KARDAŞ, Zuhal Yılmaz Doğan, Ramazan Sezer / Turkey	Pictures
56	Birnur Koçtürk	The Feast of Fruits and Vegetables	Kurtköy Doğa School	Primary	22.11.2013	Ene Ana-Maria and Dinca Maria / Romania	Pictures
57	Hülya Topçu	Building yard of cubes	Topkapı Doğa School	Primary	07.11.2013	Emanuela Iannazzo Agostino Cassarà scuola "Mirto" / Italia	Pictures
58	Duygu Doğan	Moral Values	Acıbadem Doğa School	Primary	18.11.2013	Rebiana Petrescu / Romania	Pictures
59	Sevinç Karakaş	Similar but Different	Bostancı Doga Primary School	Primary	16.10.2013	Gheorghe Mihaiela / Romania	Pictures
60	Sevinç Karakaş	Friendship	Doga Primary School	Primary	17.10.2013	Coman Alexandra / Romania	Pictures
61	Zerrin Satılmış	Are we conscious consumers?	Kurtköy Doğa School	Primary	18.11.2013	Aysegül Tutuncu,Zeliha Suicmez,Miray Aydın, Sevinc Karakas, Burcu Orhanoglu, Destina Hicdonmez, Handan Bayram / Turkey	Pictures

II. The role of local experts in the process of the test-implementation:

The local experts conducted;

1) Communication between the implementer teachers through correspondences or video conference sessions



The peer coaching sessions that the experts conducted are as follows:

- 'To protect nature' via e-mail correspondence.
- 'The variety of flora' via e-mail correspondence.
- 'Friendship' via e-mail correspondence.
- 'Rubik'Cube' via video conferences <http://conf.dogakoleji.com/p85331821/>
- 'Environment using waste' via video conferences <http://conf.dogakoleji.com/p61433698/>
- 'The role of the root and the stem in the plant life' via video conference <http://conf.dogakoleji.com/p98549346>
- Also two classes connected from TR to BG for the lesson 'I love my home, my school and my country. Part II - connecting classrooms through IWBs'

Although video conference was an easy and practical way of communication, there were some challenges. The biggest challenge for these sessions was the language. Some of the teachers didn't know English well enough to communicate alone. Therefore experts helped them. Because that, three or more people had to arrange their free time and meet for the video conference, which was difficult.

2) One day local workshops in three different locations with 350 teachers to raise their awareness and engage them to the project to test the uploaded lesson plans



JANUARY 5th 2013



JANUARY 12th 2013



MARCH 28th 2013
ATAŞEHİR DOĞA SCHOOL



APRIL 6th
ATAŞEHİR DOĞA SCHOOL

3) Two days local workshop with new teachers to create the new lesson plans as the project test implementers



7th – 8th FEBRUARY 2013
ATAŞEHİR DOĞA SCHOOL

4) ITTC in Istanbul

From the 2nd to the 9th June 2013 an international training course was held in Istanbul. The training course was addressed to teachers and educators of pre-primary and primary school and was aimed at deepening the themes related to Education to Sustainable Development in school curricula.

For a week teachers and educators, guided by experts and trainers from the 4 partner countries, were actively involved in non-formal activities, theoretical in-depth analysis, educational visits and moments to share and exchange experience and good practices related to ESD.



In ITTC, groups of teachers from four different countries wrote four lesson plans. The names of these lesson plans are as follows:

Animals, help us!

My toy is for you!

Earth- Natural resources

Explore nature through sense: Celebration

During the week the participants had the opportunity to visit Beykoz campus of Doga Schools and try out the educational methods based on Natural Learning Concept, together with experts and teachers of the school.



5) Two days local workshop for teachers in Istanbul



SEPTEMBER 6th -7th 2013
ATAŞEHİR DOĞA SCHOOL



28 teachers had the training. The training content was revised and modified, inspired by ITTC. It was enriched with ESD methods; and the concept of «democracy» was emphasized. Teachers who had the training created outputs on global citizenship and democracy, to serve the

SUSTAIN Biennial. Four lesson plans which were created during this workshop have been revised by the experts.

Names of these lesson plans are as follows:

***People & Management
Groups and NGOs
Are we conscious consumers?***

- 6) The local experts also took role to create the new lesson plans and to test the uploaded lesson plans from partner countries



Fifty lesson plans were to be revised by all experts in all partners in total. Thirteen of them were revised by local experts in Turkey, as it was suggested. After the revision, these lesson plans have also been translated into Turkish and uploaded on the database.

- 7) For the SUSTAIN Biennial which will be held in Istanbul between 23rd and 30th November 2013, following lesson plans supporting the Sub-Theme, “Democracy & World Citizenship” on our LPs& GP database were identified and distributed to the teachers for classroom implementation:

Name of the LP	Author
The bridge of cultures	Serena Fleres - IT
We are able together	Cristina La Rocca - IT
The City of Children	Serena Fleres - IT
Community mapping	Soad Ibrahim - IT
Try walking in my shoes	Serafina Turdo - IT

The ID Card of My Classroom	Tiziana Giordano - IT
Differences between people	Pincovici Alina - RO
Sincerity and Lie	Rebiana Petrescu - RO
Similar But Different	Gheorghe Mihaiela - RO
Moral Values	Rebiana Petrescu - RO
Friendship	Coman Alexandra - RO
I Love My Home, My School and My Country Part II	Alexander Angelov - BG
Day of the Bulgarian Folklore	Stavri Angelov, Vilma Negrova, Vasilka Mikova-BG
Earth – my favourite blue ball!	Iglika Angelova-BG
Our school yard – one school year in one minute	Anelia Nankova-BG
Listen to the voice of nature	Vesela Ruseva-BG
Secure Living	Duygu Sagiroglu - TR
Different Houses, Different Lifestyles	Gokce Hilal Gobekcin - TR
People and management	Local Workshop - TR
Gropus and NGOs	Local Workshop - TR
Are we conscious consumer?	Local Workshop - TR
Global Citizenship	Hülya Topçu - TR

Partners were asked to;

- search their LPs& GPs related with the World Citizenship and Democracy,
- list the lesson plans that can be implemented for the Biennial,
- revise those lesson plans through adding outputs

These lesson plans will be uploaded to the GP database after revision & implementation.

III. TESTING SUGGETED PRACTICES FROM THE PARTNER COUNTRIES:

- Some the lesson plans were proposed by the experts according to their levels and contents. Following the distribution of the lesson plans according to the grades, each teacher selected the lesson plan appropriate for her/his own class, also with the guidance of the

experts. Richness of the lesson plan's content and its being easy to implement have been affective in this selection.

- Some teachers visited the platform and chose the lesson plans according to their syllabus and requested to be translated for the implementation.
- The experts gave technical supports for the test implementations.
- The local experts also supported teachers via e-mails and school visits.

Major Problems:

- Some teachers had higher expectations about the lesson plans but they did not find them enough creative.
- It was a bit difficult to match the teachers according to the age and grades of the classes.
- The duration of the lesson plans were longer than expected in the LPs.
- Most of the LPs focus on similar topics such as recycling, nature, reuse
- Most of the SD themes are about the environment but rest of the themes were ignored.
- The experts and test implementers spent extra efforts to understand the LPs because of the misconceptions about the stages of the uploaded lesson plans.
- The local experts had close contacts with the teachers and encouraged them to test the LPs in the platform during & after the workshops

Positive Results From The Test-implementation:

- The teachers committed to action and had an opportunity to experience the international communication with the partner countries and they happily realized that different implementations could be applicable in class via negotiation.
- At the end of the testing practice, it has been seen that the lessons plans from different countries could be implemented in classes in a common way and that teachers were excited about it. Therefore it has been concluded that different lesson plans could be enriched by international implementations.
- The impact on teachers became widespread
- We reached enthusiastic teachers

- Students could taste the different implementations from different cultures
- Teachers learned to integrate SD themes and methods to their activities
- Attention was drawn to interdisciplinary subjects in lesson plans
- Sharing the lesson plans implemented in different countries one by one provided the teachers and students with different experiences, and let them acquire new experiences about the use of interactive whiteboard and different materials.

IV. TEST-IMPLEMENTATION WHICH PRODUCED NEW LESSON PLANS:

- Workshop hours (65 hours) were dedicated to give them a chance to learn how to create lesson plan
- The teachers were in charge of preparing their lesson plans and deadlines were defined to submit them to the project team.
- Their school administrators were informed about the project to get their support.
- Teachers were supported through giving feedback to their lesson plans to revise and develop them.
- Taking into account the last International Teacher Training Course, implemented lesson plans were shared in terms of both the theoretical content and the feedbacks after implementation. During the course period, with international teacher cooperation, practical works upon sustainable development, basic competences, sustain e-platform, ecological literacy and lesson plans to generate a long-lasting learning of environmental awareness in children were conducted. Besides, with this International Teacher Training Course, experts and teachers from different countries have seen many examples of application which include ESD methods and within the sessions organized upon these applications, they had the chance to do development practices.

Difficulties:

- The teachers did not want to spend extra time for preparing the lesson plans although their LPs were provided by the group leaders a month before.
- Teachers had difficulty in creating interdisciplinary LPs embedding the SD themes.
- Teachers had difficulties about the stages of the lesson plans.
- Teachers had a tendency to determine several SD themes KC and different interrelated subjects although the activities in the lesson plan did not correspond with them.
- Teachers also had a tendency to write the learning process instead of the outputs of the lesson plans

Positive Results:

- Teachers learned to integrate SD themes and methods to their activities
- Attention was drawn to interdisciplinary subjects in lesson plans

V. THEMATIC OVERVIEW:

7 peer coaching sessions were conducted by local experts

350 teachers took course about SUSTAIN by experts

During the test implementation the following issues were realized;

- In the implemented lesson plans the sustainable development themes and topics mostly covered the Turkish curriculum
- Matching sustainable development themes with the main curriculum was easy.
- The lesson plans mostly related to themes about recycling
- Mother Tongue Development, Science & Mathematical Competences weren't predominantly considered to integrate to the activities
- Some lesson plans from different countries could have similar worksheet for students

VI. TEACHERS' FEEDBACK ON THE SUSTAIN PLATFORM:

- Some of the teachers did not find it user friendly especially login to the platform
- While uploading TR lesson plans any Turkish character cannot be used
- In the platform the place of peer coaching video conference links and after test – implementation the new suggested additions of the lesson plans is not clear
- Using the password the entrance to the e-platform should be on the left box whereas the database should be from the box in middle of the page, teachers have difficulty to see this difference and after a few attempts the system can be blocked easily
- Also using up directions the teachers may sometimes reach irrelevant files

VII. CONCLUSION

In the testing practices it has been observed that the professional experiences of teachers from different countries came together through lesson plans. Teachers who came together with these testing practices gained different experiences in terms of their professional skills. With the help of these practices, it has been observed that the teachers had the chance to observe different practices personally and gained different educational qualifications such as teacher-student interaction, material design and different learning strategies. These qualifications were important to show the importance of the theoretical knowledge in application and let them gain experience in contribution. However, the increase in the number of implementations in all countries, the feedbacks from the active users of the platform and the development of this system are satisfactory.