

## TEESCHOOLS

### Transferring Energy Efficiency in Mediterranean Schools

**PRIORITY AXIS:** Fostering Low-carbon strategies and energy efficiency in specific MED territories: cities, islands and remote areas

**OBJECTIVE:** 2.1 To raise capacity for better management of energy in public buildings at transnational level

**DELIVERABLE NUMBER:** 5.4.1

**TITLE OF DELIVERABLE:** WP5 Open lessons for behavioral change to teachers and students

**WP n. 5: CAPITALISING**

**ACTIVITY n. 5.4. 1 Open Lessons**

**PARTNER IN CHARGE:** FVMP

**PARTNERS INVOLVED:** City of Split  
HEP ESCO d.o.o.  
PBS d.o.o.

*Status:*

<i>Draft</i>	<i>Final</i> ▲	<i>Version n. 01</i>
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*Date: December 16<sup>th</sup>, 2019*

## 1. Overview of open lessons

In preparation, it was decided that we would focus our lessons on educating and raising awareness of the energy efficiency of young children in primary schools. We realized the importance of instilling values in general about energy conservation and teaching children to look after the environment and energy while they were young.

We presented TEESCHOOLS project, a project co-financed by the European Regional Development Fund, and more generally what a European project is and the actions we carry out.

The workshops were interactive in character. Presenters from City of Split, HEP ESCO and PROJEKTI BIRO SPLIT presented the PowerPoint "Raising awareness of sustainable, environmental and energy behaviours in elementary schools". Since all pupils were rather small children, we have adapted our discourse and we have turned our workshop more towards interactive discussion with children and playful activities. We outlined the Earth's clean energy needs, and outlined a basic way for children to contribute locally to energy and water savings. The animated film "Think of Tomorrow" was presented, which aims to encourage positive and responsible behaviour in the daily use of energy. Representatives of HEP ESCO d.o.o. introduced laser length measurement sensor and thermal imaging devices to help children understand through play how technology contributes to energy efficiency.

In the end, the diploma "Letter from the Indian Chief" was given to their children, which is considered to be the most beautiful description of the responsible behavior of man towards the planet, as well as CDs with the animated film "Think of Tomorrow".

Powerpoint presentation that was used will be attached to this report.






## 2. Details about schools that open lessons were held

### Elementary school “Kman Kocunar”

One workshop was held on October 22<sup>nd</sup>, 2019 for second graders – classes 2a and 2b.

39 children in total accompanied by 3 school staff members attended the workshop.










Deliverable 5.4.1 Open lessons in the schools




Elementary school: KMAN KOCUNAR City of Split: \_\_\_\_\_ School Class nr.: 2A

Number of pupils: 20

SIGNATORY LIST OF PARTICIPANTS

No.	Participant name	Institution	Function	Contact number	e-mail	Signature
1.	DRAGAN MARIC	OS	TEACHER	021 304 505		
2.	ANDELKA BARIĆ	OS	TEACHER	021 304 505		
3.	MIRJANA PERIĆ	OS	TEACHER	021 304 505		
4.	IVANA LUKIĆ	OS	TEACHER	021 304 505		
5.	ANITA ČALVIĆ	OS	TEACHER	021 304 505		

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Deliverable 5.4.1 Open lessons in the schools

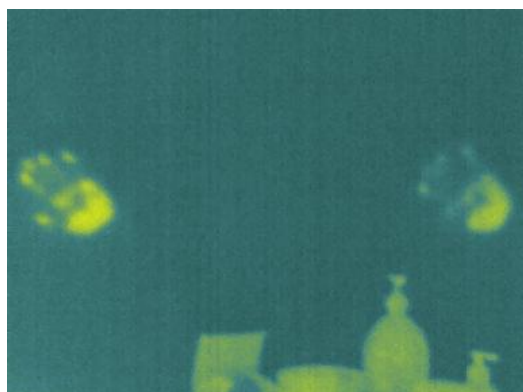
Elementary school: KMAN KOCUNAR City of Split: \_\_\_\_\_ School Class nr.: 2B

Number of pupils: 19

SIGNATORY LIST OF PARTICIPANTS

No.	Participant name	Institution	Function	Contact number	e-mail	Signature
1.	DRAGAN MARIC	OS	TEACHER	021 304 505		
2.	ANDELKA BARIĆ	OS	TEACHER	021 304 505		
3.	MIRJANA PERIĆ	OS	TEACHER	021 304 505		
4.	IVANA LUKIĆ	OS	TEACHER	021 304 505		
5.	ANITA ČALVIĆ	OS	TEACHER	021 304 505		

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## Elementary school "Visoka"

Two workshops were held on October 22<sup>nd</sup>, 2019 for second graders – classes 2a and 2b.

43 children in total accompanied by 4 school staff members attended the workshops.

First workshop:





Deliverable 5.4.1 Open lessons in the schools

Elementary school VISOKA City of Split 2 A  
 School Class nr. 2 A  
 Number of pupils 22

SIGNATORY LIST OF PARTICIPANTS

No.	Participant name	Institution	Function	Contact number	e-mail	Signature
1.	BOJANA TUDOR RAVEC	OS VISOKA	PSYCHOLOG			
2.	MIA BERTIC	OS VISOKA	NEUROLOGA RN			
3.	VANJA LUCIC	HEPESCO	Technical expert	01 6322 552	vanja.lucic@hepesco.hr	
4.	ANIBICA BAPIC	CITAD SPLIT				
5.	ANJE CUCIEN	DAS AS-2	PROJEKTOVA	033 21 13 108	anajeta@das.hr	

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## Second workshop:





**Deliverable 5.4.1 Open lessons in the schools**

Elementary school VISOKA City of Split 2.5 School Class nr. 2.5

Number of pupils 21

**SIGNATORY LIST OF PARTICIPANTS**

No.	Participant name	Institution	Function	Contact number	e-mail	Signature
1.	VEDNA TIGER PAVEL	OS VISOKA	PSYCHOLOG			
2.	ANDREA BUCOK	OS VISOKA	UCITELJICA RN			
3.	IGU LUCI	HEP-ESCO	Tehnol. expert	01 4301 00	luc.luci@hep.hr	
4.	ANDREA BUCOK	OS VISOKA	UCITELJICA RN			
5.	IVKA CARIETA	PS 402	Psycholog	0332111111	cariceta@ps402.hr	


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## Elementary school "Spinut"

One workshop was held on October 23<sup>rd</sup>, 2019 for second graders – class 2b.

27 children in total accompanied by 1 school staff member attended the workshop.





Deliverable 5.4.1 Open lessons in the schools

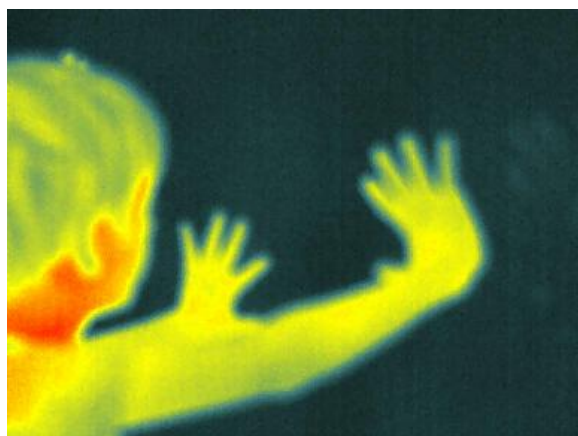
Elementary school SPINUT City of Split 2-B  
 School Class nr. 2-B  
 Number of pupils 27

SIGNATORY LIST OF PARTICIPANTS

October 23, 2019.

No.	Participant name	Institution	Function	Contact number	e-mail	Signature
1.	ANA REIC	OŠ SPINUT	UČITELJICA	01/567 1396	ana.reic@split.hr	<i>R-C</i>
2.	ANDREA BABIĆ	OPNO SPIT				<i>AB</i>
3.	MATE ČAČEVIĆ	PBS 322				<i>MC</i>
4.						
5.						

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## Elementary school "Trstenik"

Two workshops were held on October 24<sup>th</sup>, 2019 for third graders – classes 3a, 3b, 3c and 3d.

79 children in total accompanied by 4 school staff members attended the workshops.

First workshop:





Deliverable 5.4.1 Open lessons in the schools

Elementary school OS Trstenik City of Split School Class nr. 3 a, 3 b, 3 c, 3 d  
 Number of pupils 41

SIGNATORY LIST OF PARTICIPANTS

October 24, 2019.

No.	Participant name	Institution	Function	Contact number	e-mail	Signature
1.	Marko Huzin		Ecological 3c			<i>Marko Huzin</i>
2.	Zorana Grcic		Ecological 3d			<i>Zorana Grcic</i>
3.	ANICA BAKIC	GRAD SPLIT				<i>Anica Bakic</i>
4.	NEĆA ČALUPA	POS S.O.S.	ORGANIZATOR			<i>Neća Čalupa</i>
5.						

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## Second workshop:



### Deliverable 5.4.1 Open lessons in the schools

Elementary school

TRSTENIK

City of Split

School Class nr.

3.a, 3.b

Number of pupils 38

#### SIGNATORY LIST OF PARTICIPANTS

October 24, 2019.

No.	Participant name	Institution	Function	Contact number	e-mail	Signature
1.	NIVES ARŽIĆ	OŠ (3.a)	UČITELJICA			<i>Nives</i>
2.	LINDA KAVEJ	OŠ (3.b)	UČITELJICA			<i>L. Kavej</i>
3.	ANDEJA BARIĆ	GRAD SPLIT				<i>Andeja</i>
4.	ANJE ČALISA	PBS d.o.o.	DESIGN ENGINEER			<i>Anje</i>
5.						

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## Elementary school "Gripe"

Two workshops were held, first on October 24<sup>th</sup>, 2019 for second graders – classes 2a and 2b, and second on October 25<sup>th</sup>, 2019 for second graders – class 2c.

73 children in total accompanied by 4 school staff members attended the workshops.

First workshop:





Deliverable 5.4.1 Open lessons in the schools

Elementary school OSNOVNA ŠKOLA "GRİPE" City of Split School Class nr. 2a, b i c  
 Number of pupils 54

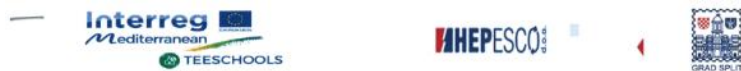
SIGNATORY LIST OF PARTICIPANTS

No.	Participant name	Institution	Function	Contact number	e-mail	Signature
1.	DARIJA LOVINČEVIĆ	ŠKOLA	UČENJICA 2.b			
2.	DARIJA VUKOVIĆ	ŠKOLA	UČENJICA 2.a			
3.	ANDREA ĐOKIĆ	GRAD SPLIT				
4.	ANJE ČALINA	POSŠ ŠKO	POSŠ ŠKO			
5.						

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## Second workshop:



### Deliverable 5.4.1 Open lessons in the schools

Elementary school OSNOVNA ŠKOLA GRPE City of Split School Class nr. 2. C  
 Number of pupils 19

#### SIGNATORY LIST OF PARTICIPANTS

October 25.10. 2019.

No.	Participant name	Institution	Function	Contact number	e-mail	Signature
1.	JOSIPA BIUK	ŠKOLA	UČITELJICA 2. C			<i>[Signature]</i>
2.	ANDEJA BARIĆ	GRAD SPLIT				<i>[Signature]</i>
3.	ANTE ČALCERA	PBS d.o.o.	OSNOVNA ŠKOLA			<i>[Signature]</i>
4.						
5.						

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## Elementary school "Bol"

Two workshops were held, first on October 24<sup>th</sup>, 2019 for second graders – classes 2a and 2b, and third graders – classes 3a, 3b and 3c.

107 children in total accompanied by 7 school staff members attended the workshops.

First workshop:

Deliverable 5.4.1 Open lessons in the schools

Elementary school BOL - SPLIT City of Split 2012.6 School Class nr. 2012.6

Number of pupils 50

SIGNATORY LIST OF PARTICIPANTS

October 31, 2019.




No.	Participant name	Institution	Function	Contact number	e-mail	Signature
1.	DAVOEKA BANOUK		VICEDEJICA 2.a			<i>[Signature]</i>
2.	VERICA BERNARIC		VICEDEJICA 2.b			<i>[Signature]</i>
3.	MILJANA MESIN		VICEDEJICA			<i>[Signature]</i>
4.	ANDEKA BAKIC	GRAD SPLIT				<i>[Signature]</i>
5.	ANTE CALESA	PUS TOV	GRAD SPLIT			<i>[Signature]</i>

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## Second workshop:

**Deliverable 5.4.1 Open lessons in the schools**

Elementary school "BOL" City of Split 3. o. b. c. School Class nr. 3. o. b. c.

Number of pupils 57

**SIGNATORY LIST OF PARTICIPANTS**

October 31, 2019.

No.	Participant name	Institution	Function	Contact number	e-mail	Signature
1.	SIMONA BJEZIC	OŠ BOL	INFORMATIKA, POU.	088 9066306	simonabjezic@gmail.com	<i>S. Bjezic</i>
2.	SANJA PISKULIC	OŠ BOL	UČITELJICA RN			<i>Piskulic</i>
3.	SANDA GUDOLJ	OŠ BOL	UČITELJICA RN	099/7645486	sanda.gudolj@gmail.com	<i>Sanda Gudolj</i>
4.	MERI TUDOR	OŠ BOL	UČITELJICA RN	091/2506532	meritudo@sk.hr	<i>M. Tudor</i>
5.	ANDEJA BARIĆ	GRAD SPLIT				<i>Andeja Barić</i>

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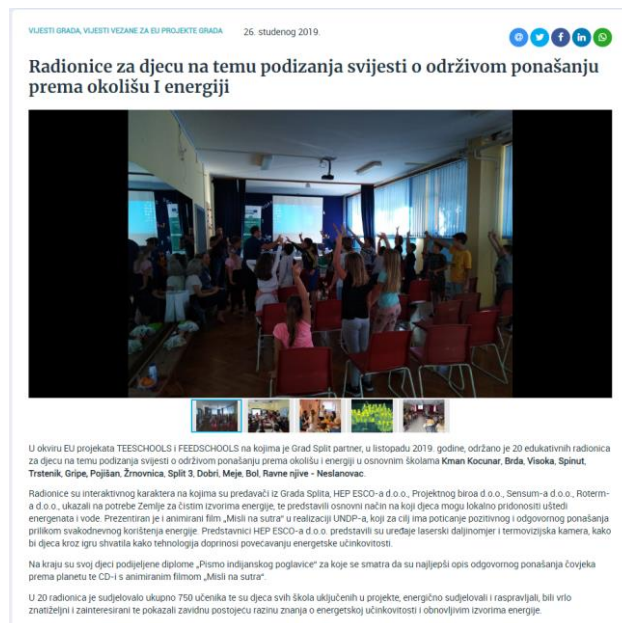
### 3. Media coverage

Two press releases about open lessons was published on formal City of Split webpage.

<https://www.split.hr/clanak/radionice-za-djecu-na-temu-podizanja-svijesti-o-odrzivom-ponasanju-prema-okolisu-i-energiji>



<https://www.split.hr/clanak/radionice-za-djecu-na-temu-podizanja-svijesti-o-odrzivom-ponasanju-prema-okolisu-i-energiji-2>



Facebook post:

[TEESCHOOLS Facebook page](#)

## 4. Conclusions

A total of 10 workshops were held for children, attended by 368 children along with 23 members of the school staff. During the workshops, we did interactive verbal survey to see how much they had learned about energy efficiency. In general, we have observed that third graders understand on average very well the concepts related to energy saving and energy efficiency, while second graders were a little less familiar but certainly sufficient for their age. Through interactive presentation at the workshops, we were able to convey to children the importance of protecting the environment and saving energy, and showed them some practical actions they can use in schools and homes to contribute to energy savings.