



**ERASMUS+ PROGRAMME**

**Project Number: 573927-EPP-1-2016-1-JO-EPPKA2-CBHE-JP**

**EGREEN:**

**Development Of Environmental Engineering Courses And Injection Of Climate Change Concept For Undergraduate Curriculum**

**Report  
of**

**Capacity Building in Higher Education – Workshop TOT  
*E-Learning: Concepts, Tools and Development***

**Universidade Católica Portuguesa (ESB-UCP)  
Porto-Portugal**

**September 17 - 22, 2018**



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

This Project has been funded with support from the European Commission. This publication reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.



## Workshop TOT, 17-22 September 2018, Porto - Portugal

### Calendar

Date	Time	Activity	Responsible Department
17.09. 2018	9.00-11.00	Reception Welcome Planning of Activities	Eduardo Cardoso
	11.00-12.30	Design and Development of the EGREEN eLearning Courses	Eduardo Cardoso
	12.30-14.00	Break for Lunch	
	14.00-17.00	Workshop: Water Resources Engineering	Paulo Baptista
18.09.2018	9.00 - 10.30	eLearning Concepts: Concepts of classroom training, online and mixed	Paula Peres
	11.00-12.30	Moodle eLearning Platform: Overview of Moodle tools	Angelo Jesus
	12.30-14.00	Break for Lunch	
	14.00 - 15.30	Moodle eLearning Platform: Evaluation of learning using the Moodle tools	Angelo Jesus
	15.30-17.00	Session: EGREEN Moodle Learning Platform	Ma'moon AlDmour
19.09. 2018	9.00 - 10.30	eLearning Concepts: User Generated Content	Rosa Silva
	11.00-12.30	Moodle eLearning Platform: Activities of Cognitive and Social Interaction with Moodle	António Castro
	12.30-14.00	Break for Lunch	
	14.00 - 15.30	Workshop: Introduction To Environment and Climate Change	Paula Castro Eduardo Cardoso
	15.30-17.00	Workshop: Introduction To Environment and Climate Change	
20.09. 2018	9.00 - 10.30	eLearning Concepts: Communication and Pedagogical Tutoring	Paula Peres
	11.00-12.30	Session: Climate change from the disaster management point of view	Ali Mabdeh
	12.30-14.00	Break for Lunch	
	14.00 - 15.30	Workshop: Introduction To Environment and Climate Change	Paula Castro Eduardo Cardoso
	15.30-17.00	Workshop: Introduction To Environment and Climate Change	
21.09.2018	9.00-12.30	Water Resources Engineering: Field Visit	Paulo Baptista
	12.30-14.00	Break for Lunch	
	14.00 - 15.30	Perspectives on e-learning for the EGREEN Project. Future Developments	Eduardo Cardoso
	15.30-17.00	Evaluation Departure from Portugal	

## Workshop TOT, 17-22 September 2018, Porto - Portugal

### List of Participants

No	Name	Organization	Email	Courses
1	Sura Al-Harashseh	AABU	<a href="mailto:sura_h71@yahoo.com">sura_h71@yahoo.com</a>	Water Resources Engineering / Introduction To Environment and Climate Change
2	Ali Mabdeh	AABU	<a href="mailto:alinouh@yahoo.com">alinouh@yahoo.com</a>	Introduction To Environment and Climate Change
3	Mohammed Ebbini	JUST/VP	<a href="mailto:mohib@just.edu.jo">mohib@just.edu.jo</a>	Renewable Energy Systems
4	Mr. Ma'moon AlDmour	UJ	<a href="mailto:aldmour@ju.edu.jo">aldmour@ju.edu.jo</a>	Introduction to Environmental & Climate Change
5	Prof. Moussa AlSamara	TU	<a href="mailto:moussa1957@gmail.com">moussa1957@gmail.com</a>	Introduction to Environmental & Climate Change
6	Dr. Badia Haidar	TU	<a href="mailto:haidar.b@gmail.com">haidar.b@gmail.com</a>	
7	Dr. Juliet Salloum	TU	<a href="mailto:julietsalloum@gmail.com">julietsalloum@gmail.com</a>	
8	Asma Matalqah	AABU	asmamataka@hotmail.com	Introduction to Environmental & Climate Change



## Workshop TOT, 17-22 September 2018, Porto - Portugal Pool of Trainers

Paula Peres

Eduardo Luís Cardoso

Rosa Silva

António Castro

Paulo Baptista

Paula Castro

Leandro Oliveira

Graça Teixeira

**Moodle Platform for the workshop:** <https://www.colearn.eu/login/index.php>

**Google Drive for course materials:**

<https://drive.google.com/open?id=1O8iVUZ77ylgehxnCsLcyjaWdJ4xgAnfH>

### Organizing Committee

Eduardo Luis Cardoso

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Paula Castro

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Raquel Moreira

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## Workshop TOT, 17-22 September 2018, Porto - Portugal Logistics issues

### Internet:

Login: ucp0914120828

Password: pqWkzecQ

### Lunch

**17.09.2018 (Lunch):** At ESB-UCP (Price: 8.50€ per participant)

**18.09.2018 (Lunch):** At ESB-UCP (Price: 8.50€ per participant)

**19.09.2018 (Lunch):** At ESB-UCP (Price: 8.50€ per participant)

**20.09.2018 (Lunch):** At ESB-UCP (Price: 8.50€ per participant)

**20.09.2018 (Lunch):** At ESB-UCP (Price: 8.50€ per participant)

### Local: Porto – Escola Superior de Biotecnologia – Universidade Católica Portuguesa (ESB-UCP)

#### *ESB-UCP campus Asprela*

GPS coordinates: 41° 17' 62.39", -8° 60' 56.58"

Rua Arquiteto Lobão Vital, 172 | 4200-374 Porto

Phone: 225 580 001

The Asprela campus is situated in the center of the university campus of Asprela in Porto. The place is served by a good public transport network, which guarantees adequate accessibility and with high frequency, being close to the main access roads to the entrance / exit of the city (Via de Cintura Interna - VCI and Circunvalation Road).

<https://goo.gl/pZ6gwt>

#### **Metro of Porto**

Line D (yellow) - Station "Pólo Universitário"

#### **Bus**

Lines that circulate nearby (besides these, in the Hospital of São João there are several other lines).

## Workshop TOT, 17-22 September 2018, Porto - Portugal

### 6a. Climate Change – Group

Name	Country	Email
Prof. Saeb Khresat (JUST) - coordinator	Jordan	skhresat@just.edu.jo
Prof. Fahmi Abu Al-Rub	Jordan	abualrub@just.edu.jo
Prof. Eduardo Luís Cardoso (UCP)	Portugal	ecardoso@porto.ucp.pt
Dr. Muna Hindiyeh (GJU)	Jordan	muna.hindiyeh@gju.edu.jo
<b>Prof. Moussa Al-Samara (TU)</b>	Syria	moussa1957@gmail.com
<b>Prof. Moayyad Shawaqfah (AABU)</b>	Jordan	msss72@yahoo.com
Prof. Adnan Ghata (ABU)	Syria	dr.ghata@gmail.com
Prof. Klaus Maßmeyer (HS-OWL)	Germany	klaus.massmeyer@hs-owl.de

### 8. Renewable Energy - Group

Name	Country	Email
Prof. Salman Ajib (OWL-UAS) – coordinator	Germany	salman.ajib@hs-owl.de
Prof. Eduardo Luís Cardoso (UCP)	Portugal	ecardoso@porto.ucp.pt
Prof. Martin Kaltschmitt (TUHH) + Marvin Scherzinger (TUHH)	Germany	kaltschmitt@tuhh.de marvin.scherzinger@tuhh.de
<b>Prof. Suhil Kiwan (JUST)</b>	Jordan	kiwan@just.edu.jo
Prof. Ahmed Al-Salaymeh (UJ)	Jordan	salaymeh@ju.edu.jo
Prof. Moussa Al-Samara (TU)	Syria	moussa1957@gmail.com
Prof. Adnan Ghata & <b>Chahada Moussa (ABU)</b>	Syria	dr.ghata@gmail.com

#### Couse at EGREEN VLE platform:

<https://vle.ju.edu.jo/moodle/my/>

#### Shared Drive with Training Materials:

<https://drive.google.com/open?id=1O8iVUZ77ylgehxnCsLcyjaWdJ4xgAnfH>

#### Test Cources for the Workshop:

<https://www.colearn.eu/course/view.php?id=4>



## Workshop TOT, 17-22 September 2018, Porto - Portugal

### Credentials for Colearn Platform

No	Name	Organization	Email	Username	Password
1	Sura Al-Harashseh	AABU	<a href="mailto:sura_h71@yahoo.com">sura_h71@yahoo.com</a>	<u>Sura_h71</u>	Sura_h71123!
2	Ali Mabdeh	AABU	<a href="mailto:alinouh@yahoo.com">alinouh@yahoo.com</a>	Alinouh	Alinouh123!
3	Ikrima Abdel-Karim Mohammad Amaireh	GJU	<a href="mailto:Ikrima.Amaireh@gju.edu.jo">Ikrima.Amaireh@gju.edu.jo</a>	<u>ikrima.amaireh</u>	Ikrima.amaireh123!
4	Mohammed Ebbini	JUST/VP	<a href="mailto:mohib@just.edu.jo">mohib@just.edu.jo</a>	mohib	Mohib123!
5	Mohammad Suleiman A.q. Saraireh	MUTAH	<a href="mailto:srayreh_2000@yahoo.com">srayreh_2000@yahoo.com</a>	srayreh_2000	Srayreh_2000123!
6	Prof. Ahmed Al-Salaymeh	UJ	<a href="mailto:salaymeh@ju.edu.jo">salaymeh@ju.edu.jo</a>	salaymeh	Salaymeh123!
7	Mr. Ma'moon AlDmour	UJ	<a href="mailto:aldmour@ju.edu.jo">aldmour@ju.edu.jo</a>	aldmour	Aldmour123!
8	Dr. Subhi M. Bazlamit	ZUJ	<a href="mailto:hajjee@live.com">hajjee@live.com</a> <a href="mailto:s.bazlamit@zuj.edu.jo">s.bazlamit@zuj.edu.jo</a>	s.bazlamit	S.bazlamit123!
9	Prof. Moussa AlSamara	TU	<a href="mailto:moussa1957@gmail.com">moussa1957@gmail.com</a>	moussa1957	Moussa1957123!
10	Dr. Badia Haidar	TU	<a href="mailto:haidar.b@gmail.com">haidar.b@gmail.com</a>	haidar.b	Haidar.b123!
11	Dr. Juliet Salloum	TU	<a href="mailto:julietsalloum@gmail.com">julietsalloum@gmail.com</a>	julietsalloum	Julietsalloum123!
12	Prof. Nasser Saad Aldin	ABU	<a href="mailto:nsaadaldin@gmail.com">nsaadaldin@gmail.com</a>	<u>nsaadaldin</u>	Nsaadaldin123!
13	Prof. Rushdi Madwar	ABU	<a href="mailto:rmadwar@yahoo.com">rmadwar@yahoo.com</a>	<u>rmadwar</u>	Rmadwar123!

## Workshop TOT, 17-22 September 2018, Porto - Portugal Google Drive

https://drive.google.com/drive/folders/1wLc7Z32yC3LshHYxw27eC\_DnPCqaaFFC?ogsrc=32

Aplicações

Drive

Pesquisar no Drive

O meu disco > EGREEN Project > WS Porto - elearning

Pastas

- Critical Thinking
- E-learning

Nome ↑ Proprietário(a)

Moode workshop_Angelo	eu
18Set_PaulaPeres.pdf	eu
20Set_PaulaPeres.pdf	eu
EGREEN_Wastewater_Treatment_17092018.pptx	eu
Presentation António Andrade - Rosa Silva.pdf	eu
Presentation António Castro.pdf	eu
WP4_Porto_1_CLE.pptx	eu
WP4_Porto_2_Mode2.pptx	eu
WP4_Porto_campus0L@glance.pptx	eu

Armazenamento

5,7 GB de 115 GB utilizado

Obter a funcionalidade  
Cópia de segurança e  
sincronização para  
Windows

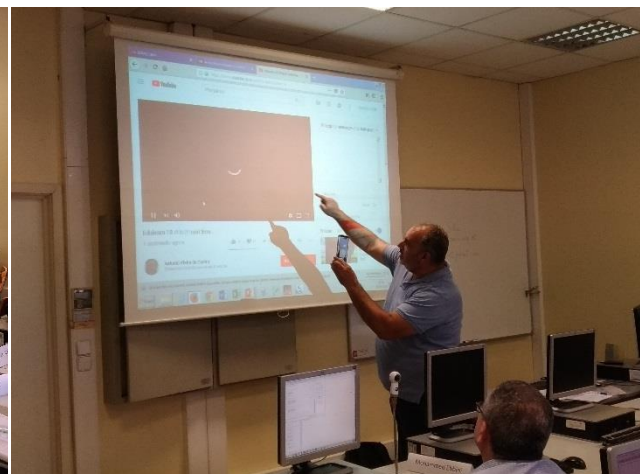
[https://drive.google.com/drive/folders/1wLc7Z32yC3LshHYxw27eC\\_DnPCqaaFFC?ogsrc=32](https://drive.google.com/drive/folders/1wLc7Z32yC3LshHYxw27eC_DnPCqaaFFC?ogsrc=32)





## Workshop TOT, 17-22 September 2018, Porto - Portugal

### Photos



## Workshop TOT, 17-22 September 2018, Porto - Portugal

### Results of Pre-Course Questionnaire

#### 1. What do you know about Environmental Engineering? Do you see the field growing in the future? If yes, explain.

- We don't have any experience in this field because it's not used in our education system yet (Tishreem University);
- I don't have any pre-experience with (Tishreem University);
- E-learning is a way to make teaching more attractive and to support the teacher to fulfil the lecture (University of Jordan);
- Internet-based education (Al al-Bayt University).

#### 2. Why did you choose Environmental Engineering and Renewable Energy?

- It will be useful for our carrier (Tishreem University);
- It will be a good tool for me (Tishreem University);
- It's a method to improving education (University of Jordan);
- 1. Students got extra help; 2. Tutoring with convenience; 3. Personalized instruction; 4. Differenced instruction; 5. Supplemented instructions for teachers (Al al-Bayt University).

#### 3. What are your expectations of this Course? What do you hope to gain by participating in it? Give me three examples.

- I would increase my knowledge and experience capacity in this field (Tishreem University);
- The tools will help me implementing e-learning in our curricula (Tishreem University);
- I hope I would increase my experience capacity in this field which will help me in my work as an university member (Tishreem University);
- 1. Have a knowledge about new applications to be used in e-learning; 2. New features in Moodle; 3. The way to manage the content of the lecture (University of Jordan);
- In teaching: Moodle, new applications (Al al-Bayt University).

#### 4. What kind of experiences (ex. Internships, work, workshops, software) have you had in the area of Environmental Engineering and Renewable Energy?

- I have had some information about software's used in the e-learning (Tishreem University);
- Workshops (Tishreem University);
- 1. Working as administrative of Moodle at UJ; 2. EU workshops about e-learning; Moodle software and online Youtube Courses (University of Jordan);
- Workshops (Al al-Bayt University).

#### 5. Where would you like to apply the theoretical knowledge you gain from the course practically (in the industry)?

- Not in industry, but I can use it in the classroom with student "practical section" to be a good teacher and know about this new branch (Tishreem University);
- Not in industry but in our classes and to prepare our students in a good way to present their projects in future (Tishreem University);



- 1. My lectures; 2. Developing an online-courses for my UJ (University of Jordan);
- In my University (Al al-Bayt University).

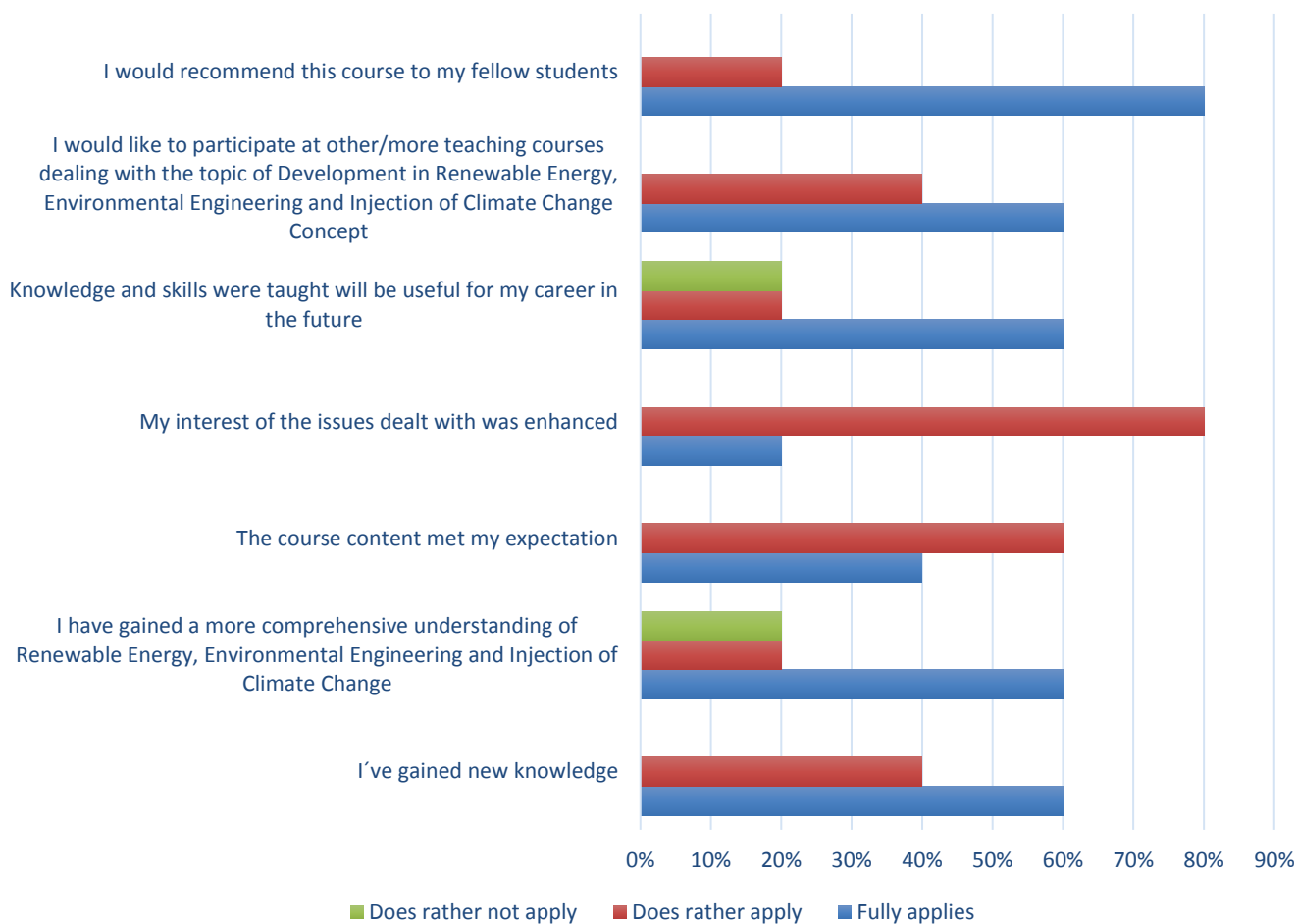
**6. Any other comments, suggestions, recommendations, special requirements?**

- We need more to learn about the e-learning; we need more practice. (Al al-Bayt University).

**Results of Pos-Course Questionnaire**

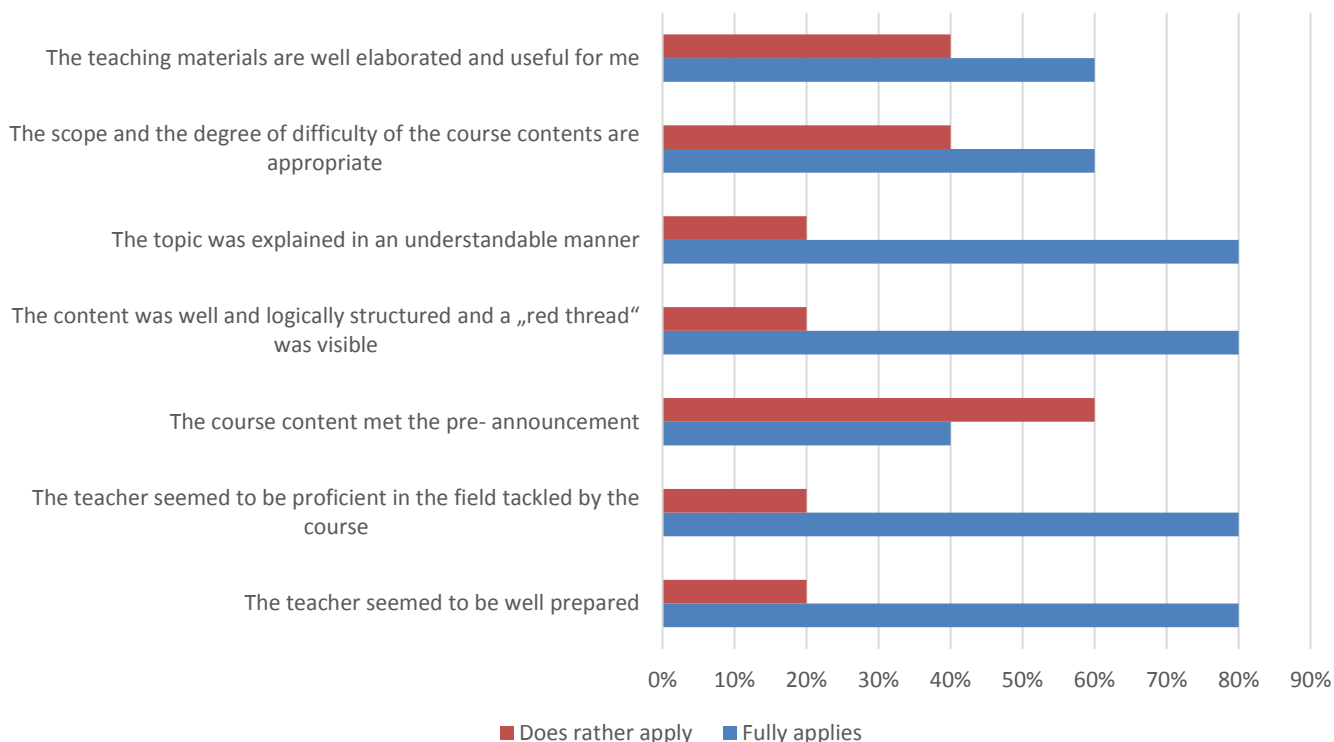
(n=5)

**Benefit and knowledge gain**





### Course Quality



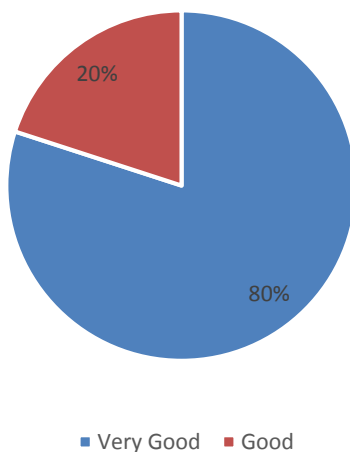
#### What did you like about the course?

- The lectures is full of new knowledge

#### What didn't you like? What could be improved?

- Sometimes teachers are fast when they are explain.
- 

### General Evaluation of the Workshop



## Workshop TOT, 17-22 September 2018, Porto - Portugal Dissemination

### News



The screenshot shows a web browser window with the URL [www.esb.ucp.pt/pt/central-eventos/formacao-professores-alteracoes-climaticas](http://www.esb.ucp.pt/pt/central-eventos/formacao-professores-alteracoes-climaticas). The page header features the logo of the **CATOLICA ESCOLA SUPERIOR DE BIOTECNOLOGIA** in Porto. A navigation menu includes links for **INÍCIO**, **CATÓLICA - PORTO**, **CONTACTOS**, and **COMO CHEGAR**. A secondary menu lists various academic and administrative areas: **ESCOLA**, **INVESTIGAÇÃO**, **LICENCIATURAS**, **MESTRADOS**, **DOUTORAMENTOS**, **FORMAÇÃO CONTÍNUA**, **BOLSAS E PRÉMIOS**, **ALUNOS**, **ALUMNI**, and **COMUNIDADE**.

The main content area is titled **Formação de Professores: Alterações Climáticas**. It includes a date range of 17.09.2018 08:30 — 21.09.2018 08:30 and a brief description: "No âmbito do projeto EGreen - Erasmus+ Capacity Building in Higher Education, será realizada esta ação de formação de formadores, Professores de Universidades da Jordania e da Síria, sobre Introdução às Alterações Climáticas e a Conceção de Soluções Renováveis, incluindo tecnologias de e-learning facilitar a generalização dos programas educativos nas respetivas Universidades." A link for **Mais informação >>>** is provided.

On the right side, there are two sections: **PERÍODO** with a list of filters: **Hoje**, **Esta Semana**, **Passados**, **Futuros**, and **Todos os Eventos**; and **OUTROS EVENTOS** with a list of related events: **Uso de atmosferas modificadas na embalagem de alimentos**, **Formação de Professores: Alterações Climáticas**, **Alta pressão hidrostática aplicada ao processamento de produtos de frutas**, and **Sessão de Acolhimento a Novos Alunos e suas**.

At the bottom of the main content area, there is a **PARTILHE/SHARE** section with social media icons for email, Facebook, LinkedIn, and Twitter.

ESB Facebook

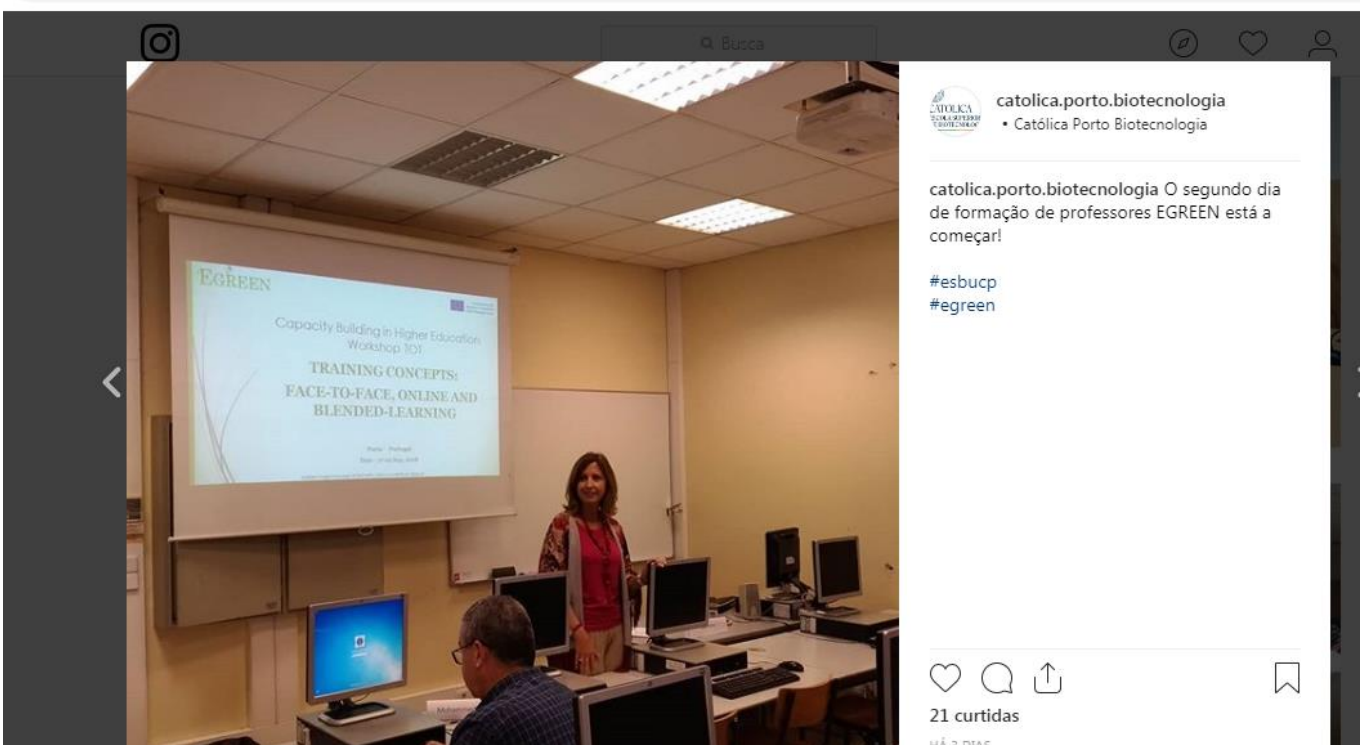


### ESB Instagram

<https://www.instagram.com/p/Bn1Jb0jF18i/?taken-by=catica.porto.biocologia>



<https://www.instagram.com/p/Bn3FmhZgyvL/?taken-by=catica.porto.biocologia>



### ESB Twitter

