



**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  
Workshop Training of Student**

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

**September 9-20 september, 2019**



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

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## Workshop Training of Student, 9-20 September Porto - Portugal Calendar

Date	Time	Activity	Responsible
07.09.2019 08.09.2019	<b>Weekend</b>		
09.09.2019	9.00 - 10.30	Welcome Program –Presentation Premises- <b>Room EAA004</b>	Eduardo Cardoso
	11.00-12.30	Workshop- Awareness of internationalization issues and intercultural awareness- <b>Room EAA004</b>	Internacional Relation Office Phone: +351 22 61962 86 Maria Cabral Magda Ferro Ana Santos Leandro Oliveira
	12.30-14.00	Lunch	
	14.00-15.30	Visit to Porto	
	15.30-17.00		
10.09.2019	9.00 - 10.00	Concepts in environment and sustainability- <b>Room EBI011</b>	Paula Castro
	10.00-13.00	Enabling Technologies for Urban Trees – <b>Viveiro do Porto -Areias</b>	Paula Castro Miguel Ramos Cindy Serafim
	12.30-14.00	Lunch	
	14.00-15.30	Enabling Technologies for Urban Trees – <b>Room EBI-124</b>	Paula Castro Miguel Ramos Cindy Serafim
	15.30-17.00		
11.09.2019	9.00 - 10.30	Water Technologies Introduction <b>Room EBI 006</b>	Maria Beatriz Marques Paula Batista (P&B Consulting)
	11.00-12.30		
	12.30-14.00	Lunch	
	14.00 - 15.30	Study Visit: Waste Water Treatment Facility	Maria Beatriz Marques Paulo Baptista (P&B Consulting)
	15.30-17.00		
12.09.2019	9.00 - 10.30	Invasive plant control: Introduction to the problem and method demonstration Field Visit and work Meeting Point: Hall Biotechnology Faculty *	CRE.Porto Conceição Almeida Eduardo Luís Cardoso
	11.00-12.30		
	12.30-14.00	Lunch	
	14.00 - 15.30	Reforest for the Future: a case study <b>Room EBI006</b>	CRE.Porto Eduardo Luís Cardoso Joaquim Cunha
	15.30-17.00	Reforest for the future- planting a tree Visit to the Research Center and State Associate Laboratory- CBQF	
13.09.2019	9.00 - 10.30	Green Roofs: Concepts and Practice	Cristina Monteiro



	11.00-12.30	<b>Room EBI006</b>	Paula Castro
	12.30-14.00	Lunch	
	14.00 - 15.30	Seminar: Innovating wastewater treatment – Aerobic granular sludge processes <b>Auditory EBI -201</b>	Paula Castro Mark van Loosdrecht
	15.30-17.00		
14.09.2019 15.09.2019	Weekend		
16.09.2019	9.00-10.30	<b>Water Quality I Laboratory: HU201</b>	Irina Moreira Catarina Miranda Paula Castro
	11.00-12.30		
	12.30-14.00	Lunch	
	14.00-15.30	<b>Green Roofs: Concepts and Practice Field Visit</b>	Cristina Monteiro Paula Castro
	15.30-17.00		
17.09.2019	9.00 - 10.30	<b>Water Quality II Laboratory: HU201</b>	Irina Moreira Catarina Miranda Paula Castro
	11.00-12.30	<b>Waste Water Treatment Room EBI 007</b>	Ana Paulo Ana Oliveira Paula Castro
	12.30-14.00	Lunch	
	14.00 - 15.30	<b>Waste Water Treatment Laboratory: HU105</b>	Ana Paulo Ana Oliveira Paula Castro
	15.30-17.00		
18.09.2019	9.00 - 10.30	<b>Water Quality III Laboratory: HU201</b>	Irina Moreira Catarina Miranda Paula Castro
	11.00-12.30		
	12.30-14.00	Lunch	
	14.00 - 15.30	<b>Study Visit: Integrated Wast Management Plant (ETAR de Ponte de Moreira)</b>	Maria Beatriz Marques Paulo Baptista (P&B Consulting)
	15.30-17.00		
19.09.2019	9.00 - 10.30	<b>Soil Management: Concept and Pratice</b>	Helena Moreira Sofia Pereira Paula Castro



	11.00-12.30		
	12.30-14.00	Lunch	
	14.00 - 15.30	Soil Management: Concept and Pratice Field Visit (Borrilhas Site)	Helena Moreira Sofia Pereira Paula Castro
	15.30-17.00		
20.09.2019	9.00-10.30	Study Visit: Waste Water Treatment Facility	Maria Beatriz Marques Paulo Baptista (P&B Consulting)
	11.00-12.30		
	12.30-14.00	Lunch	
	14.00-15.30	Study Visit: Waste Water Treatment Facility (ETA de Lever)	Maria Beatriz Marques Paulo Baptista (P&B Consulting)
	15.30-17.00	Closing session: end of Workshop	UCP-ESB P&B Consulting
21.09.2019 22.09.2019	<b>Weekend</b>		

\*Suitable footwear (waterproof) and comfortable clothing adapted to weather conditions.  
Water to drink.

## Workshop Training of Student, 9-20 September Porto - Portugal

### List of Participants

No	Name	Organization	Email	Background
1	Khreis Mamon	UOJ	<a href="mailto:maamounkhries@yahoo.com">maamounkhries@yahoo.com</a>	Mechanical Engineering
2	Nowf Maaitah	UOJ	<a href="mailto:nowfmaaitah@hotmail.com">nowfmaaitah@hotmail.com</a>	Architecture 5 <sup>th</sup> year
3	Danah Abdel Razzaq Ali	GJU	<a href="mailto:danah.zoubi998@gmail.com">danah.zoubi998@gmail.com</a>	Architecture 4 <sup>th</sup> year
4	Ahmed Yusri Mohammed Al-Hayali	GJU	<a href="mailto:Ahmadalhayali98@gmail.com">Ahmadalhayali98@gmail.com</a>	Architecture 4 <sup>th</sup> year
5	Nagham Abdallah Mahmoud Al-Ajlouni	AABU	<a href="mailto:naghamajlouni@gmail.com">naghamajlouni@gmail.com</a>	Civil Engineering 3 <sup>rd</sup> year
6	Mohammad Ali Nouh Mabdeh	AABU	<a href="mailto:manasq3@gmail.com">manasq3@gmail.com</a>	GIS and RS
7	Atallah Alhijazzin Sarab Abdallah	Mutah	<a href="mailto:aamahadeen@yahoo.com">aamahadeen@yahoo.com</a>	Civil Engineering 3 <sup>rd</sup> year
8	Hebbah Thaffer Yusif Assaraira	Mutah	<a href="mailto:hiba.sarairah@gmail.com">hiba.sarairah@gmail.com</a>	Civil Engineering 3 <sup>rd</sup> year
9	Mahmoud Al-Maaytah Taghrid Ayman	Mutah	<a href="mailto:maaitah4ever@yahoo.com">maaitah4ever@yahoo.com</a>	Civil Engineering 5 <sup>th</sup> year



## Workshop Training of Students, 9-20 September 2019, Porto - Portugal

### List of Trainers

Eduardo Luís Cardoso  
Paulo Batista  
Paula Castro  
Beatriz Marques  
Cristina Monteiro  
Irina Moreira  
Catarina Miranda  
Miguel Ramos  
Cindy Serafim  
Ana Paulo  
Ana Oliveira  
Sofia Pereira  
Helena Moreira  
Mark van Loosdrecht  
Maria Beatriz Marques  
Conceção Almeida  
Joaquim Cunha  
Ana Santos  
Leandro Oliveira

### Coordinator

Eduardo Luís Cardoso  
Email: [ecardoso@porto.ucp.pt](mailto:ecardoso@porto.ucp.pt)

Paula Castro  
Email: [pcastro@porto.ucp.pt](mailto:pcastro@porto.ucp.pt)

### Scientific Coordination

Paula Castro  
Paulo Batista  
Email: [paulonlbaptista@net.sapo.pt](mailto:paulonlbaptista@net.sapo.pt)

### Technical Assistance

Ana Santos  
Email: [apsantos@porto.ucp.pt](mailto:apsantos@porto.ucp.pt)

Leandro Oliveira  
Email: [loliveira@porto.ucp.pt](mailto:loliveira@porto.ucp.pt)

Solange Santos  
Email: [stsantos@porto.ucp.pt](mailto:stsantos@porto.ucp.pt)



## Logistics

Helena Fernandes

Email: [hfernandes@porto.ucp.pt](mailto:hfernandes@porto.ucp.pt)

Paula Pinto

Email: [ppinto@porto.ucp.pt](mailto:ppinto@porto.ucp.pt)

Carla Pinto

Email: [cpinto@porto.ucp.pt](mailto:cpinto@porto.ucp.pt)

**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

Email: [ecardoso@porto.ucp.pt](mailto:ecardoso@porto.ucp.pt)

Tel: +351 912243375

Paula Castro

Email: [plcastro@porto.ucp.pt](mailto:plcastro@porto.ucp.pt)

Solange Santos

Email: [stsantos@porto.ucp.pt](mailto:stsantos@porto.ucp.pt)

Leandro Oliveira

Email: [loliveira@porto.ucp.pt](mailto:loliveira@porto.ucp.pt)

Ana Santos

Email: [apsantos@porto.ucp.pt](mailto:apsantos@porto.ucp.pt)



## Workshop Training of Students, 9-20 September 2019, Porto - Portugal

### Logistics issues

#### Course at Moodle: Natural Technologies

<https://www.colearn.eu/course/view.php?id=11>

#### Shared Drive with Training Materials

[https://drive.google.com/open?id=126Wm-D2umLs\\_KZE7ZpS3XWgOZrRXo8ve](https://drive.google.com/open?id=126Wm-D2umLs_KZE7ZpS3XWgOZrRXo8ve)

**Room:** EAA 004

#### Wireless Internet Access

**Login:** ucp0909115045

**Password:** bBJ1MeqC

#### Lunch at the Campus

Price: 3.9-5€

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

##### *ESB-UCP campus Foz*

GPS coordinates: " +41° 9' 11.57", -8° 40' 17.

Rua Diogo de Botelho 1327, 4169-005 Porto

Phone: 226196200

#### Bus

Line 200 – Bolhão - Castelo do Queijo

Line 203 – Marquês - Castelo do Queijo

Line 204 – Hospital S. João – Foz

Line 207 – Campanhã - Foz (Mercado)

#### Coordination

Eduardo Luís Cardoso

[ecardoso@porto.ucp.pt](mailto:ecardoso@porto.ucp.pt)

**Personal Mobile Phone:** +351 912243375



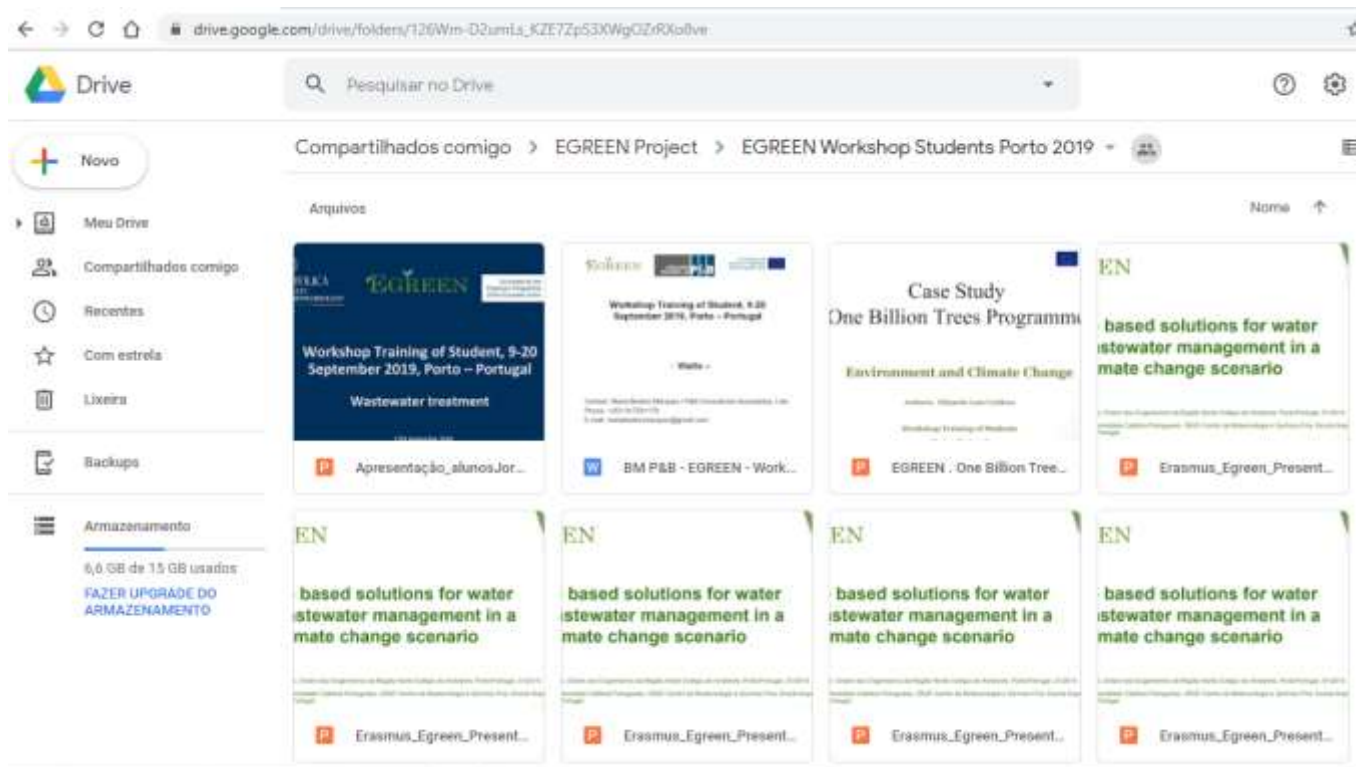


## Workshop Training of Students, 9-20 September 2019, Porto - Portugal

### I) Learning resources: Presentations, papers, exercises

Available at: Google Drive

Link: [https://drive.google.com/drive/folders/126Wm-D2umLs\\_KZE7ZpS3XWgOZrRXo8ve](https://drive.google.com/drive/folders/126Wm-D2umLs_KZE7ZpS3XWgOZrRXo8ve)



## Workshop Training of Students, 9-20 September 2019, Porto - Portugal II) Students at Workshop Activities

### Photos and videos

Link: <https://photos.google.com/>



## Workshop Training of Students, 9-20 September 2019, Porto - Portugal

### III) Dissemination

#### News

##### Website

Link: <http://www.esb.ucp.pt/pt/central-noticias/estudantes-jordania-e-siria-frequentam-programa-sobre-ambiente-e-alteracoes>



The screenshot shows a web browser window displaying a news article on the website of the Faculty of Engineering of the University of Porto (ESB-UCP). The article title is "Estudantes da Jordânia e da Síria frequentam programa sobre Ambiente e Alterações Climáticas". The text below the title states that students from Jordan and Syria are attending a program on Environment and Climate Change organized by the Superior School of Biotechnology at the Catholic University of Porto. There are two images: one showing a classroom setting with students and a presentation screen, and another showing students in a laboratory setting wearing gloves and using equipment. To the right of the article, there are sections for "OUTRAS NOTÍCIAS" (Other News) and "AGENDA" (Agenda). The "OUTRAS NOTÍCIAS" section lists several news items, including the International Day of Microorganisms, the attendance of the Jordanian and Syrian students, the University of Porto being ranked as the best in Portugal by Times Higher Education, and the planting of a tree by new students. The "AGENDA" section lists two events: a seminar on the use of biocides in the food area on 29.11.2019 at 09:00, and another event on 15.11.2019 at 14:00.



**Link:** [http://www.100milarvoves.pt/2019/09/universitarios-do-egreen-participam-no-futuro.html?fbclid=IwAR1AI\\_WhkHL3UG6kYUM5GEm3K\\_BMlKlKBzJmJUwngZf618yYrch-cxaWJw](http://www.100milarvoves.pt/2019/09/universitarios-do-egreen-participam-no-futuro.html?fbclid=IwAR1AI_WhkHL3UG6kYUM5GEm3K_BMlKlKBzJmJUwngZf618yYrch-cxaWJw)



Porquê Projeto Resultados Locais Participar P

## Universitários do EGREEN participam no FUTURO

< Anterior Próximo >

### Universitários do EGREEN participam no FUTURO



Nove estudantes universitários jordanos, que estão a participar num curso de 10 dias sobre sustentabilidade na UCP, no âmbito do projeto EGREEN, passaram a manhã de 12 de setembro na Quinta Vilar d'Allen.

Na chegada à Quinta foi apresentado o trabalho realizado no âmbito do FUTURO, assim como os objetivos e resultados obtidos, as preocupações e as contribuições para a mitigação das Alterações Climáticas. Ao longo do percurso até à área de intervenção do FUTURO, foram apresentados alguns dos conceitos de base sobre a sustentabilidade.



## Social Network

### ESB Facebook

Link: <https://www.facebook.com/catolicaportobiotechnologia/>



### EGREEN Project Facebook

Link: <https://www.facebook.com/Egreen-Project-609610079229409/>



### Radio Montalegre Facebook

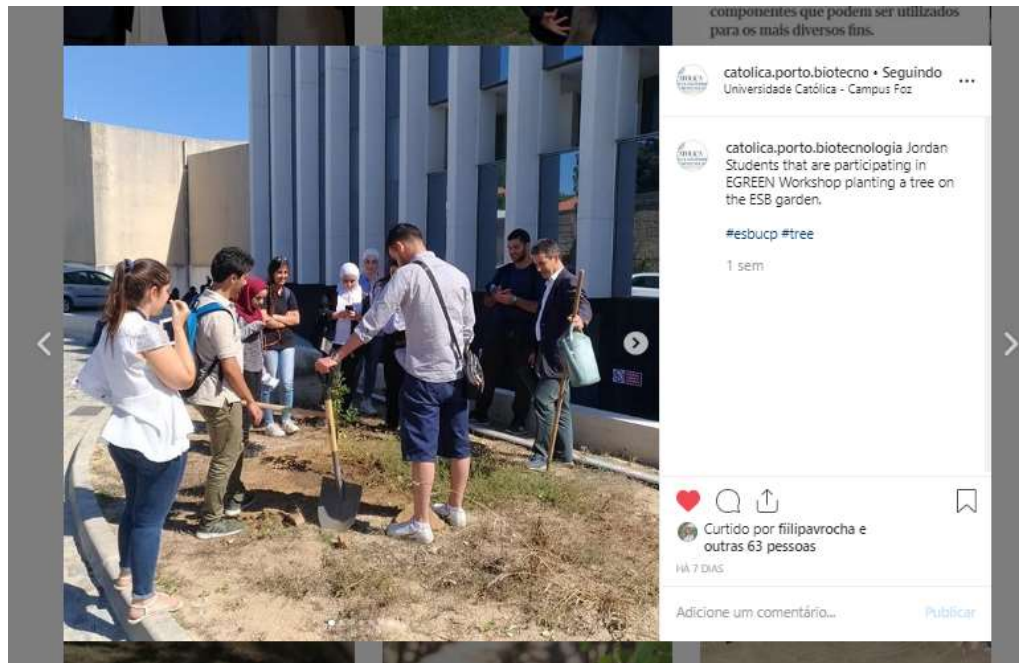
Link:

<https://www.facebook.com/radiomontalegre/photos/pcb.2652315974801965/2652850764748486/?type=3&theater>



### Instagram

Link: <https://www.instagram.com/p/B2UHAx7ATXt/>



### Twitter

Link: <https://twitter.com/catolicaporto>





### IV) Attachment

#### Attendance List

**EGREEN Training Workshop for students**  
**Porto - Portugal**  
**September 9-20, 2019**

student name	Institution	signature											
		9/9/2019	10/9/2019	11/9/2019	12/9/2019	13/9/2019	14/9/2019	15/9/2019	16/9/2019	17/9/2019	18/9/2019	19/9/2019	20/9/2019
Khreis Mamon	UOI	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]			[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
Nowf Maaitah	UOI	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]		[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
Danah Abdel Razzaq Ali	GJU	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]			[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
Ahmed Yusri Mohamm ed Al-Hayali	GJU	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]			[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
Hebbah Thafer Yusif Assaraira	mutah	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]			[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
Taghrid Mahmoud Ayman	mutah	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]			[Signature]	[Signature]	[Signature]	[Signature]	[Signature]

**EGREEN Training Workshop for students**  
**Porto - Portugal**  
**September 9-20, 2019**

Mahmond

Ayman Al-Maaytah													
Sarab Abdallah Atallah Alhijazzin	mutah	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]			[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
Nagharn Abdallah Mahmoud Al-Ajlouni	AABU	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]			[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
Mohamm ad Ali Nouh Mabdeh	AABU	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]			[Signature]	[Signature]	[Signature]	[Signature]	[Signature]