

ENHANCE MICROALGAE (EMA) TRAINING-WORKSHOP 2019 SWANSEA UNIVERSITY

Date	12-13 September 2019
Workshop	<i>“Microalgae culture and downstream processing at pilot scale”</i>
Place	Biosciences, Singleton Park, Swansea University, Swansea, Wales, UK SA2 8PP
Website	www.enhancemicroalage.eu

Preliminary agenda:
Thursday 12th September

DAY 1 (Training Session)

8.30 *Registration and coffee*

9.00 Welcome (Swansea University); Professor Kevin Flynn
Overview of the Enhance Microalgae project and partners; María José Chapela

9.20 Presentation of training plan for the day; Dr. Claudio Fuentes Grunewald

09:30-11.00 Culture scale-up

9.30 Scaling-up microalgae culture from laboratory to pilot facilities

10.15 How to operate a Photobioreactor

11.00 *Coffee break*

11.30-12.30 Downstream processes (Greenhouse)

11.30 Harvesting using membrane technology

12.00 Concentrating microalgae biomass using centrifuge

12.30-13.30 *Lunch*

13.30-14.30 Downstream processes (Laboratory)

13.30 Cell disruption techniques

14.00 Freeze dry process – Biomass storage

14:30 Analyzing and recording the basic growth parameters

15.00 *Coffee break* (microalgae comics' presentation)

15.30-17.00 Lab analysis and DST tool

- 15.30** Correlation and tips for microalgae culture in pilot scale
- 16.00** DST tool presentation
- 16.30** Question & answers
- 17.00** **End of the first day workshop**

19.00 Social Event for ENHANCE partners

- 19.00** Social gathering at Oystermouth Castle
- 20.00** Dinner (La Parrilla Restaurant, The Mumbles Coastal Path)

Friday 13th September

DAY 1 (Internal ENHANCE project meeting)

- 9.00** *Registration and coffee*
- 9.30** Coordination meeting – lead ANFACO
 - Administrative information
 - Financial matters and reports
 - Deliverables
- 10.30** *coffee break*
- 11.00** WP2 Communication - UM
- 11.30** WP3 Capitalization - INL

- 12.00** *Lunch*

- 13.00** WP4 Gaps and Barriers - ULR
- 13.30** WP5 Market research - UDC
- 14.00** WP6 Legislative surveillance and environmental concern - UP
- 14:30** WP7 Knowledge research and development - SU
- 15.00** WP8 Knowledge transfer activities - AC
- 15.30** Final discussion, open questions
- 16.30** **End of the Workshop**