A11-POTENTIAL OF MICROALGAE IN THE FIGHT AGAINST CLIMATE CHANGE

ACTIVITY DATES (TO-FROM):	**12.05.2025 - 15.05.2025 (4 DAY)**
VENUE OF THE ACTIVITY (TOWN, COUNTRY):	**Istanbul, Turkey**
PARTICIPATING ORGANISATIONS:	**ISTANBUL UNIVERSITESI(28), FUNDACJA BETTER TOGETHER(3), TTB(3), Asociación Extremundo (3),**
PLEASE EXPLAIN BRIEFLY THE ACTIVITY, AND HOW IT IS RELEVANT TO REACH THE PROJECT OBJECTIVES. IN THE GRID BELOW, PLEASE DESCRIBE WHAT YOU PLAN TO DO, PROVIDING THE DETAILS YOU HAVE SO FAR.	**A11 will introduce microalgae to the participants also as an alternative for the bio-based material production to plastic issue.**

DAY 1

09:00 – 09:30
Welcome Activity

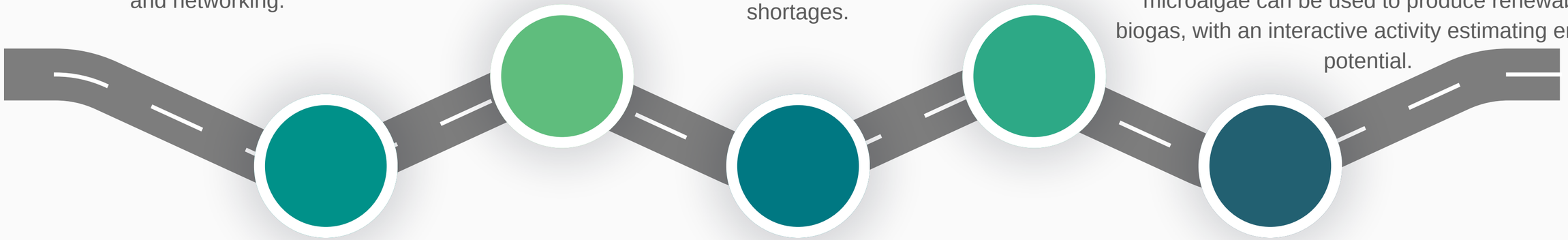
Participants will be welcomed by Istanbul University (Türkiye) representatives. The session will outline the program’s goals and provide a space for introductions and networking.

09:30 – 10:30
Climate Change and Its Impact on Food and Energy Supply

This session explores how climate change threatens global food and energy security. Participants will discuss urgent challenges in agriculture and the need for innovative, sustainable solutions.

10:30 – 11:15
Introduction to Microalgae as an Alternative Solution

An overview of high-nutrient microalgae species will be presented. The focus will be on how microalgae can support sustainable agriculture and address food shortages.



11:15 – 11:30
Coffee Break

11:30 – 12:30
Microalgae for Protein, Food, and Biogas

This combined session covers the nutritional value of microalgae-based proteins and their comparison with animal/plant proteins. It will also explore how microalgae can be used to produce renewable biogas, with an interactive activity estimating energy potential.

DAY 1

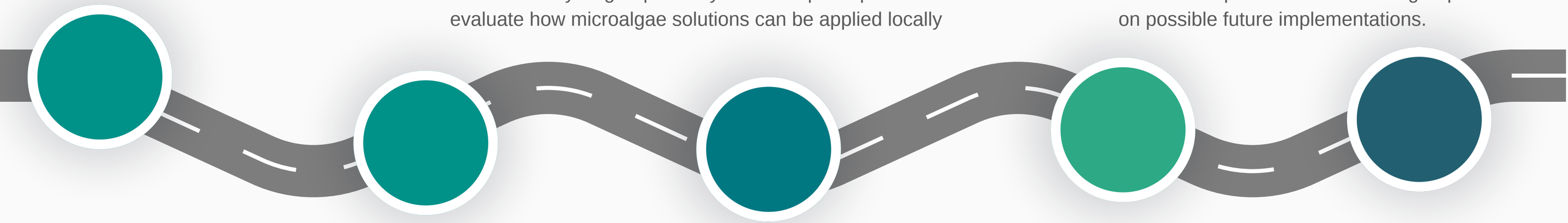
12:30 – 13:30
Lunch Break

13:30 – 14:30
Climate Mitigation and Bioplastic Production

Participants will examine the carbon capture potential of microalgae and their role in reducing greenhouse gas emissions. The session continues with a hands-on workshop on producing biodegradable bioplastics from microalgae.

14:30 – 15:30
Cultivation Challenges and Local Opportunities

This session focuses on the practical aspects of microalgae cultivation, including land use, water efficiency, and sustainability. A group activity will allow participants to evaluate how microalgae solutions can be applied locally



15:30 – 15:45
Coffee Break

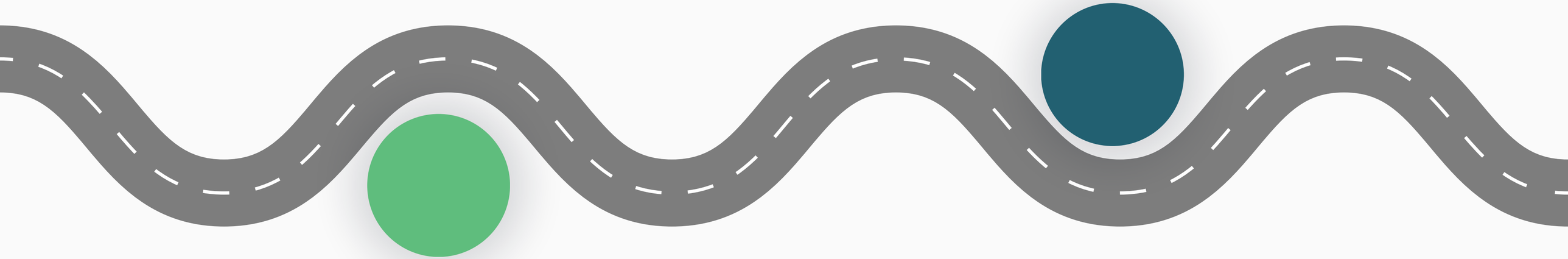
15:45 – 17:00
Project Workshop: Developing a Green Strategy

In teams, participants will design and present project proposals that integrate microalgae into real-world sustainability strategies. The session will end with peer feedback and a group reflection on possible future implementations.

DAY 2

11:30 - 12:00
Closing Ceremony

The event will conclude with reflections and the distribution of participation certificates. A group photo session will celebrate the end of the activity and foster lasting connections.



10:00 – 11:30
Policy and Entrepreneurship Opportunities

Participants will explore policy frameworks supporting microalgae innovation. The session will also introduce business opportunities and start-up models in the field of green technology.