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

Jihočeská univerzita v Českých Budějovicích
University of South Bohemia in České Budějovice

Eesti Maaülikool
Estonian University of Life Sciences

Erasmus+ Strategic Partnership

The Educational Network on Soil and Plant Ecology and Management

What is an Erasmus+ Strategic Partnership?

- Partnership between different European Universities (+ sometimes enterprises)
- Part of internationalization strategies
- Improvement of overall quality of education and research
- 3 years funding for different activities and “Intellectual Outputs”

ulm university universität ulm

Soil science
Root ecology
Wetland ecology
Soil zoology
Effects of soil degradation on soil organisms

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Estonian University of Life Sciences

Plant stress ecophysiology
Soil-plant-atmosphere continuum
Soil degredation
Protection and sustainable use of soils

EduSaPMan

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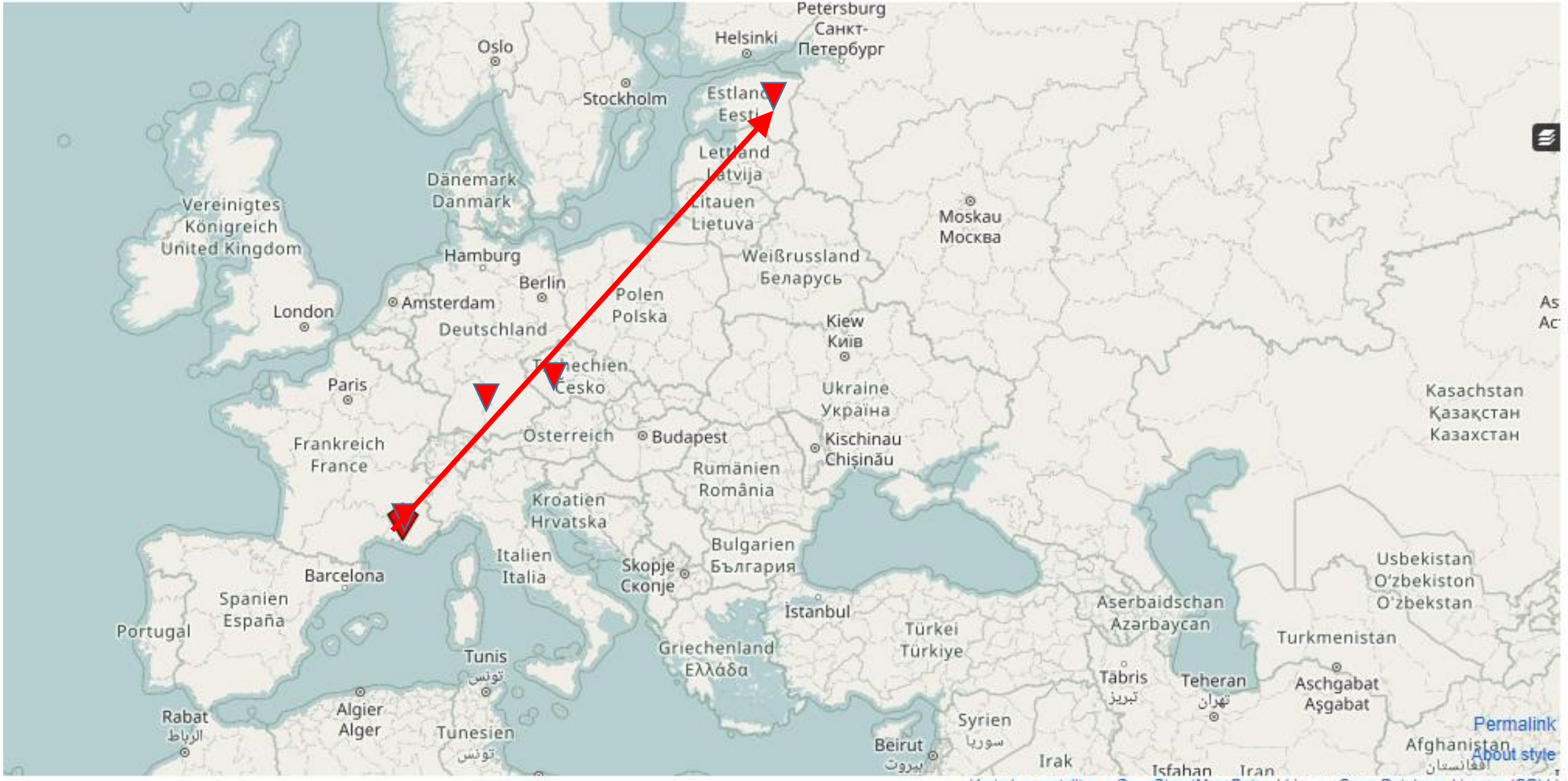
Ecosystem Biology
Microbial processes in different soil types
Wetland ecology and constructed wetlands
Hydrobiology

Aix*Marseille université

Functional ecology
Terrestrial and aquatic Mediterranean environment
Gas exchange between the atmosphere and plants
Global change
Plants under drought


Petersburg
Санкт-
Петербург
Helsinki
Oslo
Stockholm
Estland
Eesti
Lettland
Latvija
Litauen
Lietuva
Dänemark
Danmark
Vereinigtes
Königreich
United Kingdom
Moskau
Москва
Weißrussland
Беларусь
Hamburg
Berlin
Amsterdam
London
Polen
Polska
Deutschland
Kiew
Київ
Tschechien
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Paris
Ukraine
Україна
Kasachstan
Қазақстан
Казахстан
Frankreich
France
Osterreich
Budapest
Kischinau
Chișinău
Rumänien
România
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Intellectual Outputs

- WP1: Summer School „Soil & Water“
- WP2: Continuation of a jointly managed teaching module and agreement on a list of automatically accepted modules for regular exchange/student exchange between all partners.
- WP3: Enhancing teaching and networking potential for teachers
- WP4: Transposing the educational network into future research and teaching activities.

„Intellectual Outputs“

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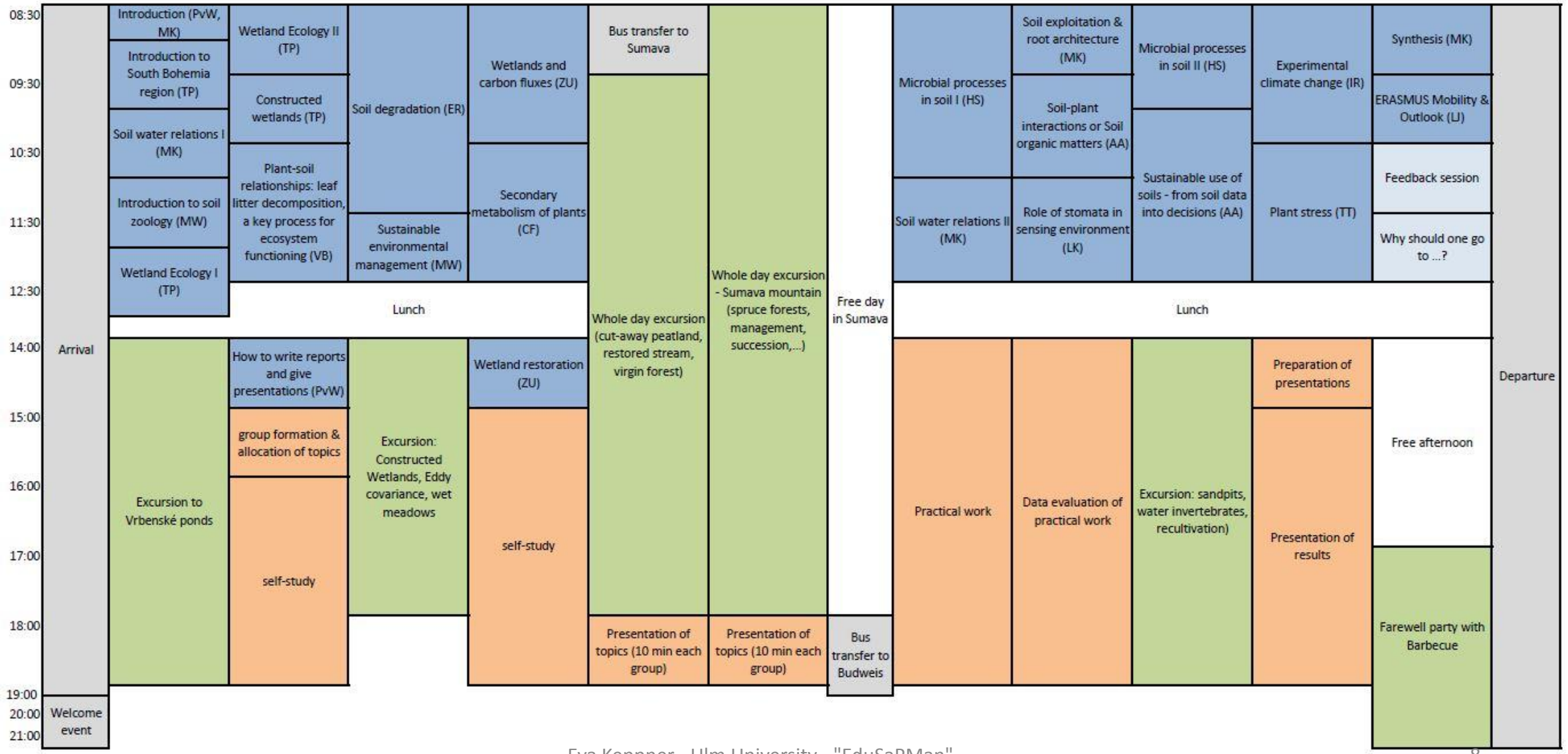
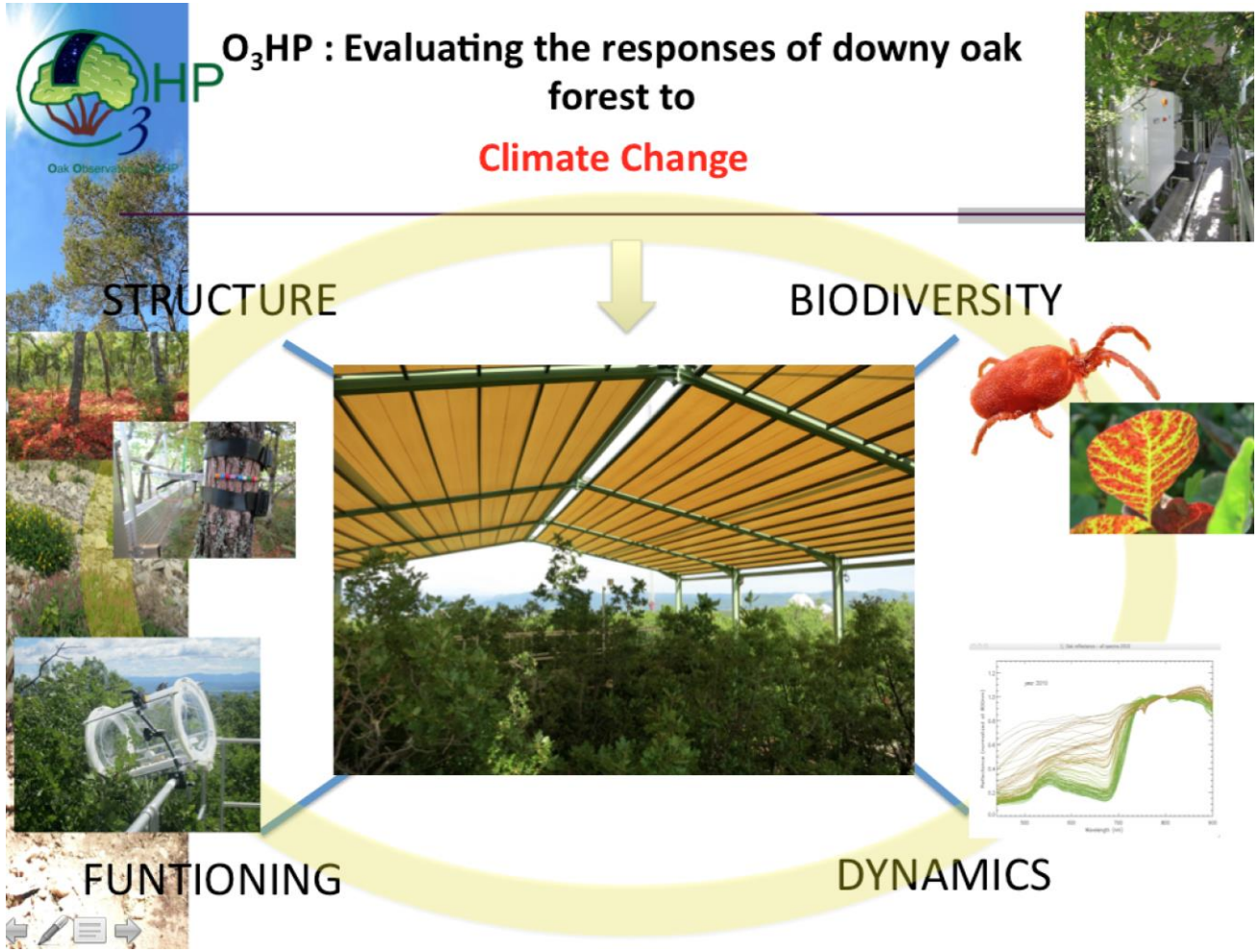
Summer Schools

2014	2015	2016	2017
Marseille - France	Ulm - Germany	Budweis – Czech Republic	Tartu - Estonia

Schedule of the Summer School "Soil & Water" 2016

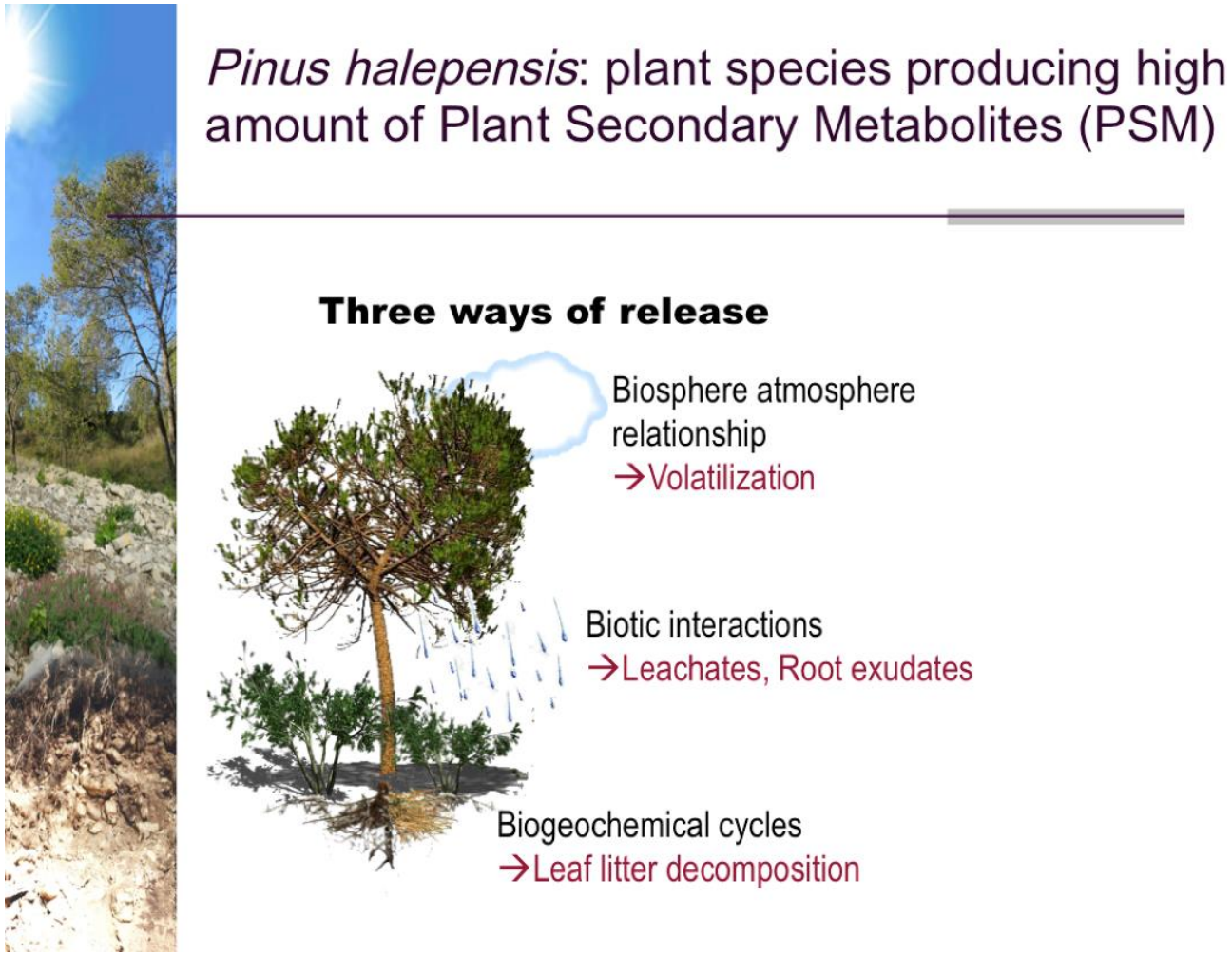


Summer Schools – Lectures



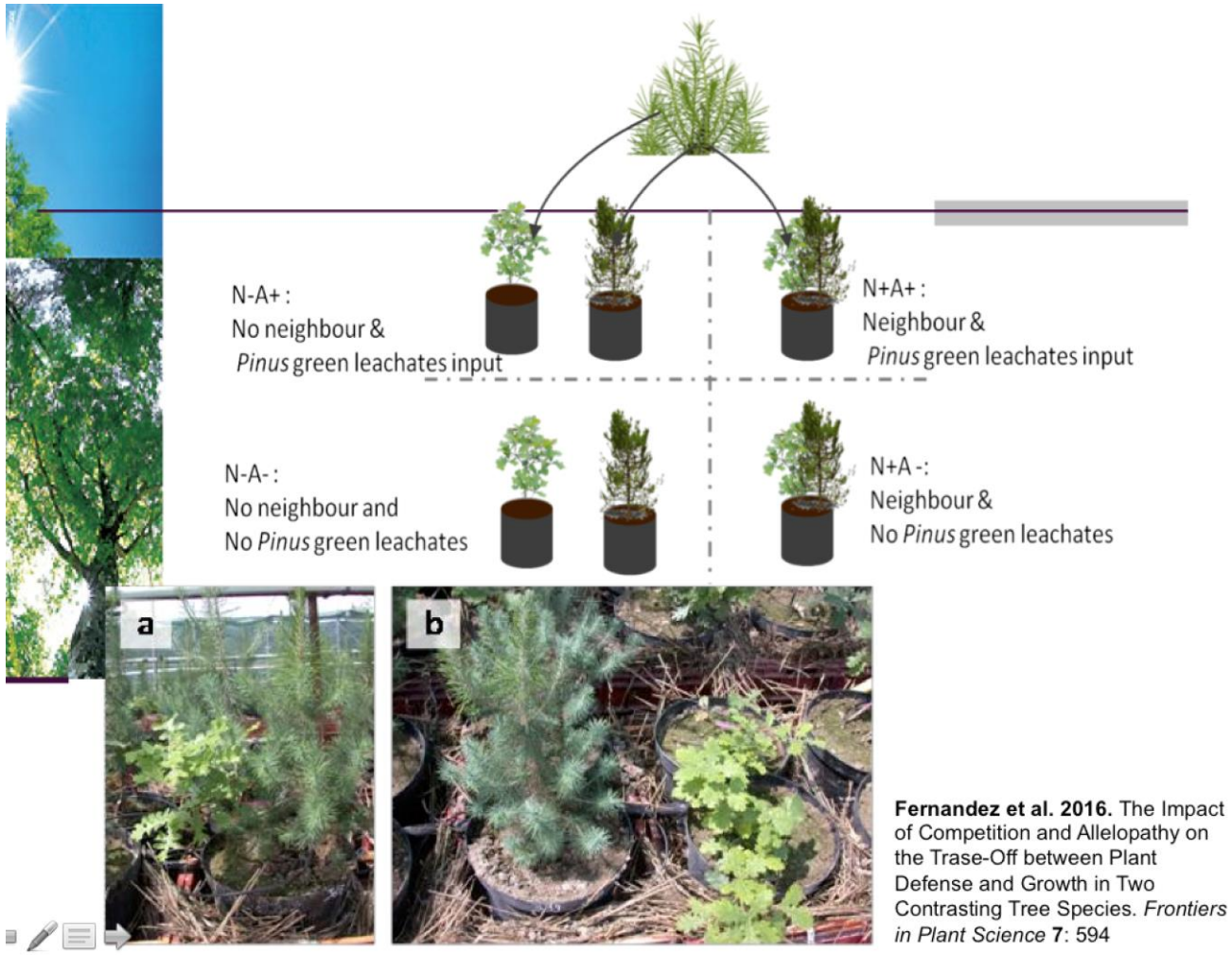
Research Facilities/Institutions

Summer Schools - Lectures



Basic Knowledge e.g. on Plant Secondary Metabolites

Summer Schools - Lectures

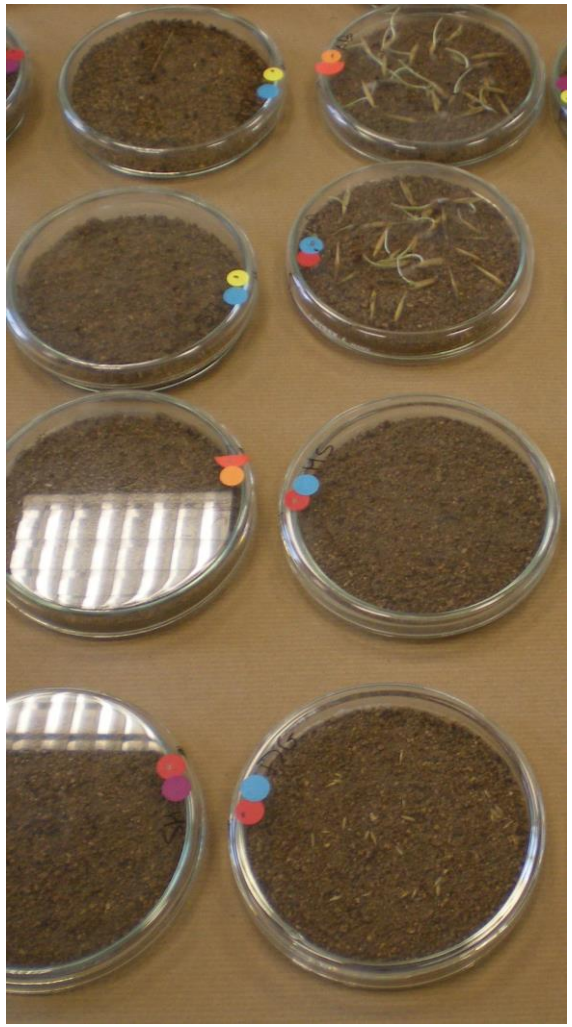


Fernandez et al. 2016. The Impact of Competition and Allelopathy on the Trase-Off between Plant Defense and Growth in Two Contrasting Tree Species. *Frontiers in Plant Science* **7**: 594

Up-to-date research results

Summer Schools - Projects

Allelopathy experiment realizable in less than two weeks time!



- Allelopathy Bioassay in Petri dishes
- Experimental Design of allelopathy process
- Donor plant: young *Pinus halepensis*
- Needles macerates
- Different target species (seeds)
- Measured parameters after one week (germination rates, size of seedlings)
- Statistical analyses

Consortium

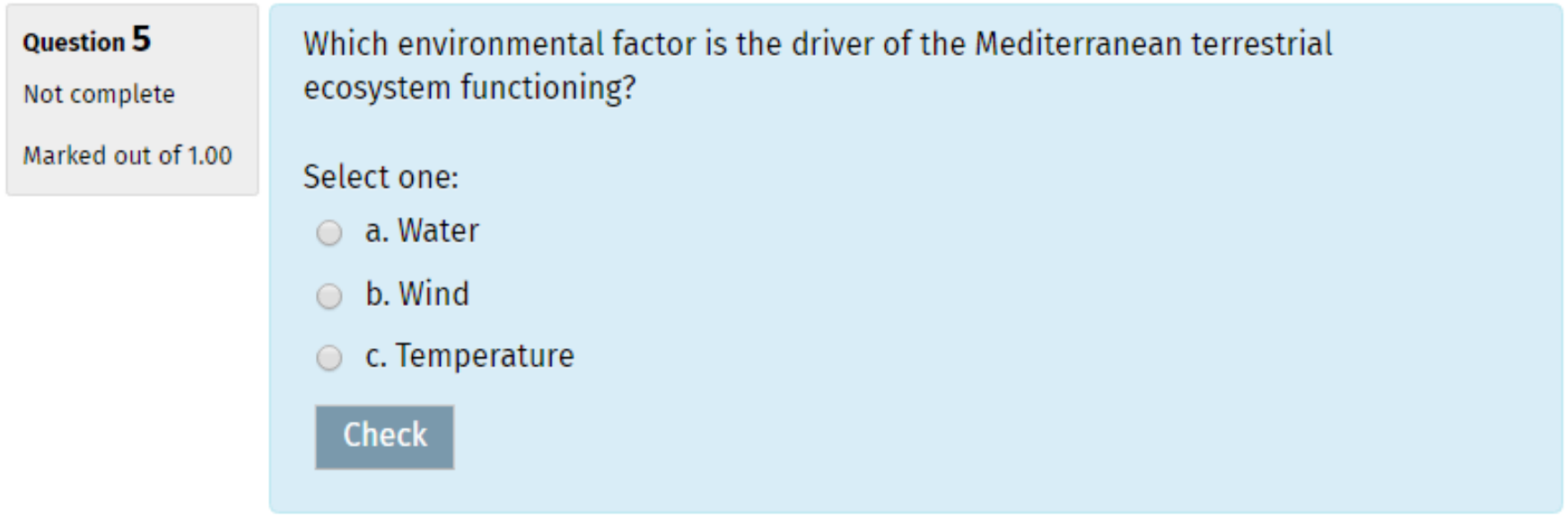
How can you benefit?

- Online available teaching material (Including Video-Lectures)
- Online available project descriptions
- Online available guides for excursions around the aforementioned areas

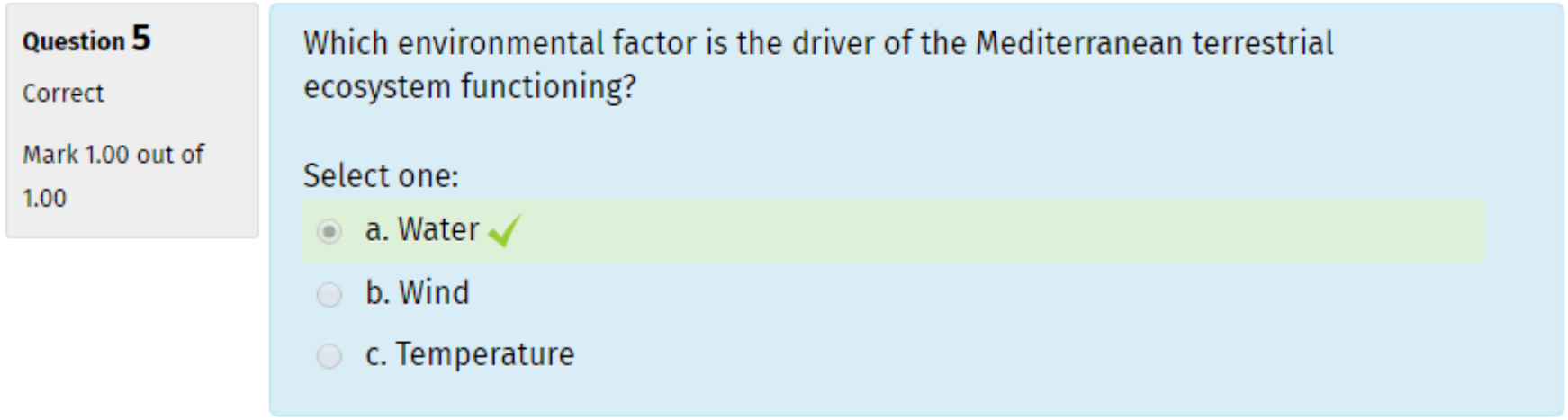
- https://www.uni-ulm.de/nawi/nawi-edusapman/

Intellectual Output 3
Virtual Learning Aid

Virtual Learning Aid (IO 3)



Virtual Learning Aid (IO 3)



Virtual Learning Aid (IO 3)

Question 1

Correct

Mark 1.00 out of 1.00

Please, match the numbers to the organisms' role in the food chain associated to leaf litter.

Mesofauna, detritivorous, able to feed on decomposed litter, mainly microorganisms and small pieces of leaves — 2 ✓

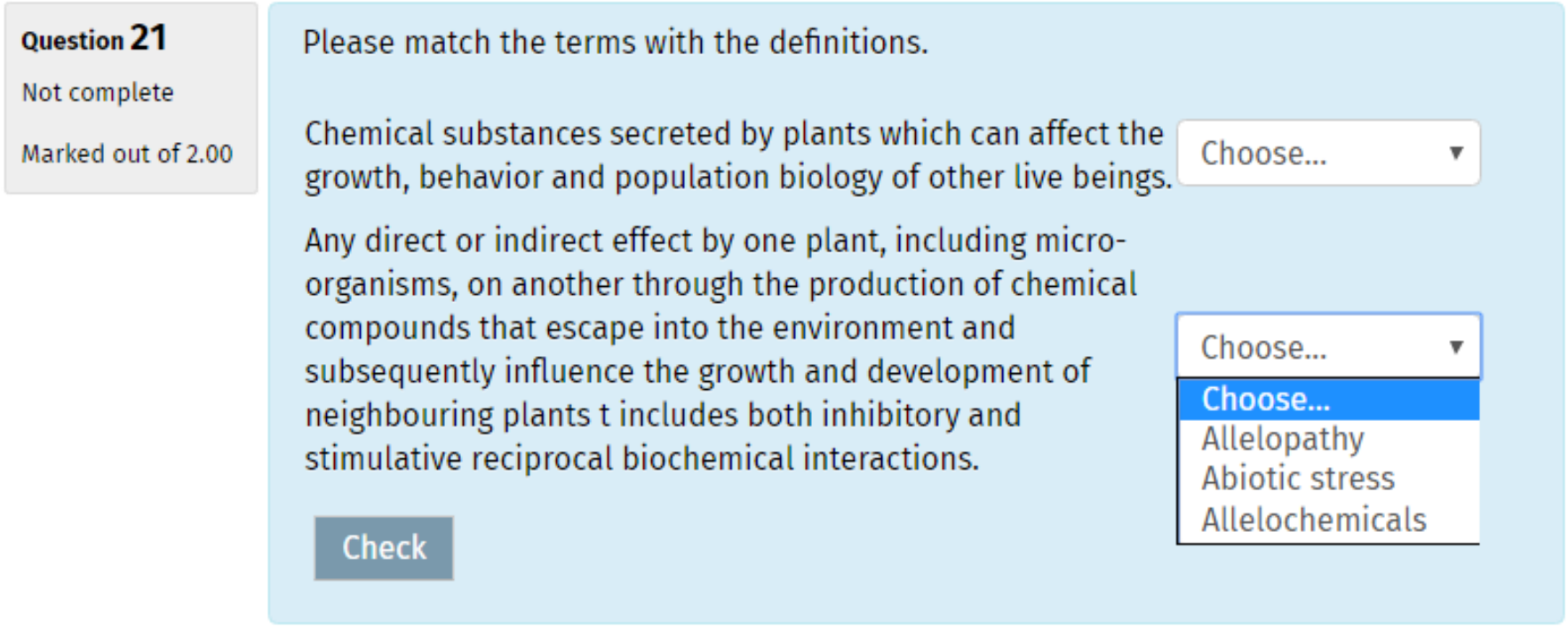
Predators of mesofauna — 3 ✓

Decomposers, able to remineralize the organic matter — 1 ✓

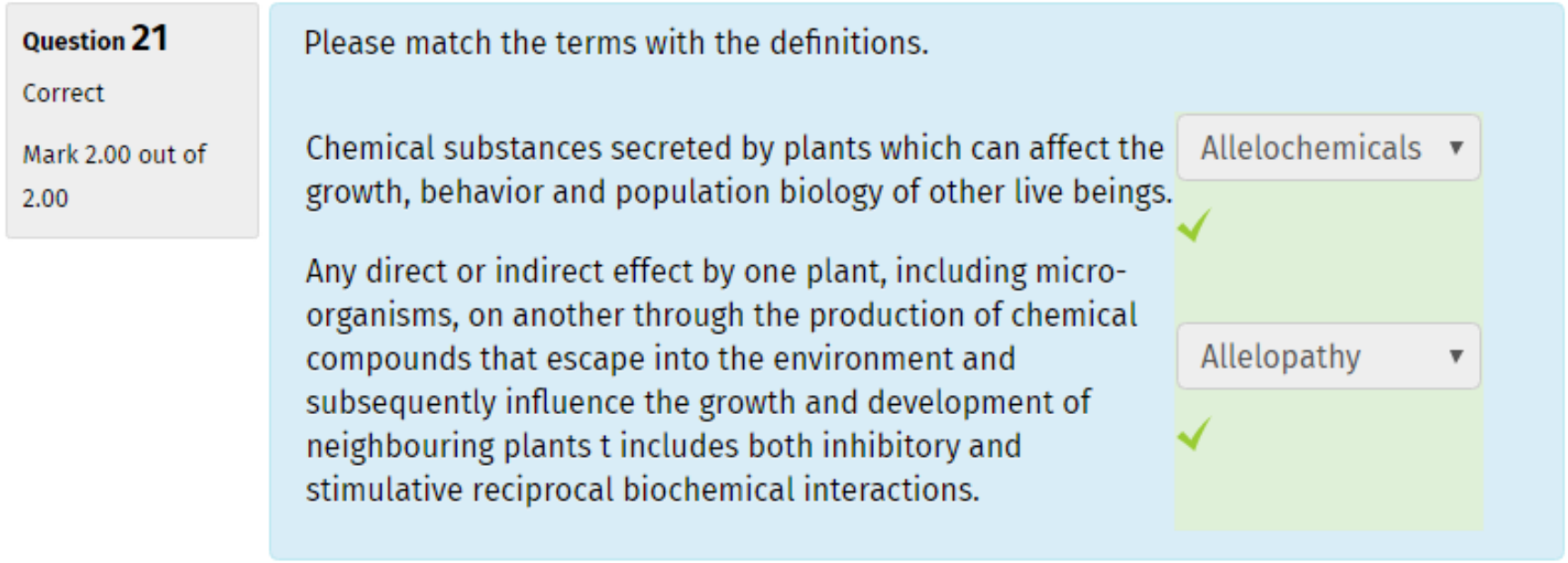
Your answer is correct.

The correct answer is: Mesofauna, detritivorous, able to feed on decomposed litter, mainly microorganisms and small pieces of leaves – 2, Predators of mesofauna – 3, Decomposers, able to remineralize the organic matter – 1

Virtual Learning Aid (IO 3)



Virtual Learning Aid (IO 3)



Virtual Learning Aid (IO 3)

- https://www.uni-ulm.de/nawi/nawi-edusapman/work-packages/work-package-1/virtual-learning-aid/

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