

09:00 - 10:30 **REGISTRATION**10:30 - 11:00 **COFFEE**11:00 - 11:45 **OPENING SESSION**11:45 - 12:45 **PLENARY SESSION WITH CHRIS SWAN** presented by Cristina Canhoto
Deep Dimensions of Biodiversity and After Life Effects on Ecosystem Processes12:45 - 14:15 **LUNCH****REGULAR SESSION** moderated by Eric Chauvet14:15 **O1. Alencar, Mery**

Evaluating the non-additive effects on litter decomposition: a meta-analysis approach compares aquatic and terrestrial ecosystems

14:30 **O2. Seena, Sahadevan**

Inter- and intraspecific functional variability of aquatic hyphomycetes and freshwater ecosystem processes

14:45 **O3. Oester, Rebecca**

Riparian vegetation affects macroinvertebrate community composition and leaf litter breakdown rates in headwater streams

15:00 **O4. Abelho, Manuela**

Does the effect of leaf mixtures on leaf decomposition change along the riparian-stream meta-ecosystem?

15:15 **O5. Rota, Thibaut**

Using individual-based traits can change our inference of relationships between shredder functional diversity and leaf-litter decomposition in streams

15:30 **O6. Alonso, Alberto:**

Effects of plantations on phytotelmata in Northern Iberian Peninsula

DISCUSSION 15:45 - 16:0016:00 - 16:30 **COFFEE-BREAK****REGULAR SESSION** moderated by Andreas Bruder16:30 **O7. Gessner, Mark**

Microbial colonization and decomposition dynamics of emergent macrophyte and riparian tree leaf litter in the littoral zone of a lake

16:45 **O8. Fernandes, Isabel**

Phylogenetics and biogeography of aquatic hyphomycetes based on new ITS rDNA barcodes

17:00 **O9. Anderson, Jennifer**Broad diversity and a distinctive molecular toolkit in the ascomycete genus *Tetracladium*17:15 **O10. Mariz, Joana**

A novel approach for the identification and documentation of aquatic hyphomycetes diversity

DISCUSSION 17:30 - 17:4517:45 - 18:30 **POSTERS SESSION** moderated by Isabel Fernandes**P1. Chauvet, Eric** Distribution patterns of freshwater lichens across 4 European ecoregions**P2. Hungate, Bruce** Bringing the quantitative back to ecology: isotopes + 'omics = insights**P3. Ramião, José Pedro** Hydrological models can help to improve the design of studies on climate change impacts on plant litter (...)**P4. Ferreira, Verónica** Colonization and decomposition of litter produced by invasive *Acacia dealbata* and native tree species by (...)**P5. Oliveira, Ricardo** Intra-specific leaf trait variability controls leaf decomposition of *Vitis vinifera* L. cultivars in streams**P6. Moretti, Marcelo** Freshwater crabs from Atlantic Forest streams can process recalcitrant leaf litter but prey more on (...)**P7. Bruder, Andreas** The collection of aquatic hyphomycete pure cultures at SUPSIs Institute of Microbiology18:30 - 20:30 **WELCOME RECEPTION**

ORGANIZATION



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09:00 - 10:00

PLENARY SESSION WITH MIRCO BUNDSCHUH presented by Fernanda Cássio
Do Chemical Stressors Impact Carbon and Nutrient Dynamics in Freshwaters and Beyond?
REGULAR SESSION moderated by Mark Gessner

10:00

O11. Batista, Daniela

Can mixtures of micro and macroplastics impact freshwater decomposers?

10:15

O12. Trabulo, José

How do microplastics and silver nanoparticles affect microbial decomposition of plant-litter in streams?

10:30

O13. Barros, Diana

A systems toxicology approach discloses distinct mechanisms of toxicity of silver nanoparticles in freshwater microbes with different background

10:45

O14. Wang, Ziming

Effects of environmental stressors on the optimal N/P Ratios of microbial decomposers

DISCUSSION 11:00 - 11:15

11:15 - 11:45

COFFEE-BREAK
REGULAR SESSION moderated by Arturo Elosegí

11:45

O15. Canhoto, Cristina

Salt pulses effects on in-stream litter processing: the importance of leaf quality

12:00

O16. Graça, Diana

Impacts of global change related multi-stressors on the activity of fungal decomposers in freshwaters

12:15

O17. Bruder, Andreas

Effects of multiple stressors on benthic communities, food webs, and processes in small agricultural streams

12:30

O19. Gutiérrez-Cánovas, Cayetano

Multiple stressors boost river metabolism and greenhouse gas emissions

DISCUSSION 12:45 - 13:00

13:00 - 14:15

LUNCH

14:15 - 15:15

PLENARY SESSION WITH AMY ROSEMOND presented by Cláudia Pascoal
Quantifying Global Change Stressor Effects on the Rates and Fates of Terrestrial Litter Inputs in Streams
REGULAR SESSION moderated by Verónica Ferreira

15:15

O20. Danger, Michael

Temperature and nutrient effects on the relative importance of brown and green pathways for stream ecosystem functioning: a mesocosm approach

15:30

O21. Pradhan, Arunava

Warming reduces functional but not taxonomic diversity of fungal assemblages decomposing leaf-litter in headwater streams

15:45

O22. Elosegí, Arturo

Plant litter processing in freshwaters drives multiple environmental consequences of a large dam decommissioning

16:00

O23. Pereira, AnaInvasion of native riparian forests by *Acacia* species: implications on litterfall biomass, water N concentration, aquatic decomposers, and litter decomposition in streams**DISCUSSION** 16:15 - 16:30

16:30 - 17:00

COFFEE-BREAK

17:00 - 18:00

POSTERS SESSION moderated by Arunava Pradhan
P8. Arias, Rebeca Are the decomposition rates different between artificial and natural wetlands? The effect of agricultural runoff**P9. Cássio, Fernanda** Interactive effects of microplastics and ciprofloxacin on aquatic microbial decomposers**P10. Cerroti, Francesca** MULTIBEF: Assessing multiscale B-EF relationships in water-filled tree holes under multiple stressors**P11. Alonso, Alberto** Warming overrides eutrophication effects on alder litter processing in streams**P12. Guerra, Alisson** Chlorothalonil fungicide effects on microbial decomposition and aquatic hyphomycetes communities (...)**P13. Guerra, Alisson** Effects of a common fungicide (Chlorothalonil) on litter decomposition rate and survival of detritivore (...)**P14. Barros, Juliana** Coping mechanisms of freshwater fungi to metals**P15. Jabiol, Jeremy** Pesticide contamination in agricultural streams revealed by integrative chemical, structural and functional (...)

09:00 - 10:00	PLENARY SESSION WITH JANE MARKS presented by Manuel Graça Revisiting the Fate of Dead Leaves in Streams: Lessons from Stable Isotope
	REGULAR SESSION moderated by Marcelo Moretti
10:00	O24. Moulton, Timothy Trophic cascades and strong interactions in tropical streams and their consequences for material processing and productivity
10:15	O25. Cereghetti, Eva Processing of leaf litter in headwaters over a year: changes in litter quality, decomposition rates and shredder community structure
10:30	O26. Marchand, Théo Mandibular traits along with resource mechanical resistance explain consumption of dead leaves by macrodetritivores
10:45	O27. Pardo, Isabel Seasonality in alder decomposition in headwaters: interactions among invertebrates, food quality and temperature
	DISCUSSION 11:00 - 11:15
11:15 - 11:45	COFFEE-BREAK
	REGULAR SESSION moderated by Manuela Abelho
11:45	O28. Moretti, Marcelo No evidence of litter bag shape on leaf breakdown and invertebrate colonization in an Atlantic Forest stream
12:00	O29. Guerrero-Brotons, Mercedes Effect of the substrate on litter decomposition and DOM chemical quality in constructed wetlands
12:15	O30. Gwendoline, David Effect of salinization and flow velocity changes on leaf litter decomposition in experimental flow-through systems
12:30	O31. Gómez, Rosa Effect of salinity on woody litter decomposition and DOM quality in an arid Mediterranean stream
	DISCUSSION 12:45 - 13:00
13:00 - 14:15	LUNCH
14:15 - 15:15	PLENARY SESSION WITH DANI VON SCHILLER presented by Cayetano Gutiérrez-Cánovas Carbon Cycling in Intermittent Inland Waters
	REGULAR SESSION moderated by Dani Von Schiller
15:15	O32. Viza, Aida How does flow intermittence affect organic matter decomposition along a Mediterranean basin?
15:30	O33. Ferreira, Verónica Leaf litter decomposition along a gradient of stream intermittency in a karst region of central Portugal
15:45	O34. del Campo, Rubén Exploring leaf litter decomposition across drying river networks
16:00	O35. Arias-Real, Rebeca Fungal biodiversity mediates the effects of drying on freshwater ecosystem functioning
16:15	O36. Simões, Sara Hydrological contraction patterns and duration of drying period shape microbial-mediated litter decomposition
	DISCUSSION 16:30 - 16:45
16:45 - 17:15	COFFEE-BREAK
17:15 - 18:00	ROUND TABLE: Global Change and Terrestrial-Aquatic Connections: What's on the Horizon? with Jane Marks, Chris Swan, Mark Gessner, Andreas Bruder, Manuel Graça, Cláudia Pascoal, Fernanda Cássio
18:00 - 18:30	CLOSING SESSION AND AWARDS
20:00 - ...	CONGRESS DINNER

May 16th**MUSICAL OPENING**
Wind Quintet Op. 43 - CARL NIELSEN (1865-1931) - I. Allegro ben Moderato**By Quintet Sinestesia**Vitor Matos (Direction)
Andreia Castro (Oboe)
Emanuel Silva (Horn)
Inês Ferreira (Flute)
Jorge Sousa (Clarinet)
Pedro Travanca (Bassoon)May 19th**FIELD TRIP**
Vilarinho da Furna, Peneda-Gerês National Park

Departure from the Museum at 9 a.m. and arrival at 17 p.m.

Event Sponsors**ORGANIZATION****Stream**
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