



THE RAMON MARGALEF
COLLOQUIA



A CROSS-SYSTEM VIEW OF THE BIOLOGICAL CARBON CYCLE IN THE ANTHROPOCENE

5-8th
OCTOBER
2021

ONLINE

7th EDITION OF THE RAMON MARGALEF COLLOQUIA
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The Ramon Margalef Colloquia are inspired by the scientific legacy of Ramon Margalef (Barcelona, 1919-2004). We want to honor his holistic approach by presenting an exciting program addressed to students and postdocs interested in ecology, modeling and global biogeochemical cycles. Under the motto “A cross-system view of the biological carbon cycle in the Anthropocene”, the 2021 Colloquium aims at promoting creative thinking by bringing together ecological knowledge from experts on terrestrial, limnetic and marine systems. Through cross-system discussions organized by the students, the analogies and disparities concerning the ecology and biogeochemical functioning of aquatic and terrestrial ecosystems will be highlighted.

Topics:

Topic 1. Organic matter production. Nutrients and light should meet. Drivers of production and diversity in terrestrial and aquatic ecosystems. Environmental constraints and biological adaptations to optimize the use of resources.

Topic 2. Organic matter (OM) decomposition. Environmental constraints to total decomposition (oxygen, temperature, nutrients, OM chemical composition) and biological players.

Topic 3. Carbon sequestration efficiency in land and aquatic ecosystems. Carbon budgets in different aquatic and terrestrial systems: production versus respiration and sequestration. Possible geo-engineering solutions to increase C sequestration.

Confirmed speakers: Gerhard Herndl, Anna Sala, Susanne Neuer, Tim Lenton, Pep Canadell, Dolly Kothawala, Amy Zanne

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