

Interplay between nutritional factors and chemical toxicity

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May 9, 14:20 - 16:00, Hall 300

The session will focus on the interactions between the nutritional status of organisms and their responses to chemicals (or vice versa) in the broadest possible way. The session aims to include presentations on the influence of nutritional conditioning of, for instance, algae (e.g. P, or N, or Si in the environment) and zooplankton or fish (e.g. P, fatty acids, vitamins in their diet) on their sensitivity to various substances (organics, metals, etc.), either at mono- or multispecies level. The session also aims to include presentations on how chemical exposure may affect the nutritional composition of species (e.g. P, fatty acid, vitamins, sterols) at lower trophic levels, and what the indirect consequences could be for species from higher trophic levels via the diet, including dietary chemical exposure.