

MEC-8

Master in Ecology and Ecosystems (Winter 2017)

Kainz-lab ([www.wcl.ac.at](http://www.wcl.ac.at))

Lipid Ecology and Aquatic Ecotoxicology (LIPTOX)

WasserCluster Lunz – Biologische Station

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**Topic 1:**

Spatial difference and trophic transfer of dietary lipids in food webs of subalpine river networks – from algae to macroinvertebrates

**Topic 2:**

Acquisition of dietary omega-3 fatty acid sources under different environmental conditions – effects of algae, terrestrial organic matter, and light

**Methods:**

Field work, experimental setup, taxonomic identification, nutritional biochemistry, trophic carbon and nitrogen analysis, lipid and fatty acids analysis.

