PhD course in Sustainable Development and Climate Change University School for Advanced Studies IUSS Pavia XXXVIII cycle

BlogeochemiCal fate of emerging Anthropogenic pollutants in the sedimentary Record

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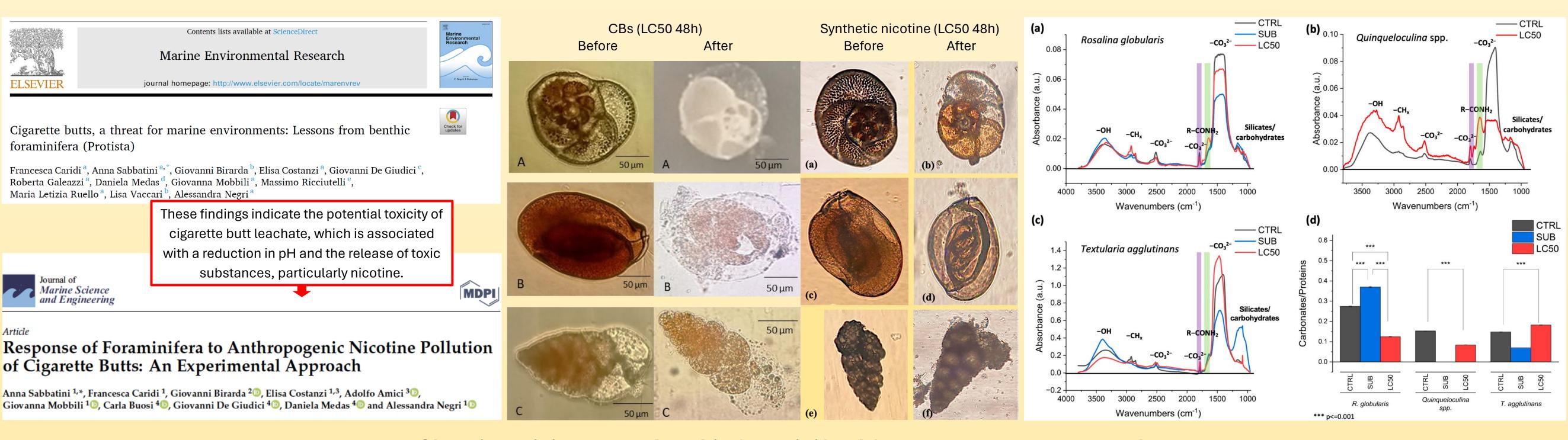
DiSVA, Laboratory of Stratigraphy, Sedimentology and Paleoecology

Tutor: Prof. Anna Sabbatini

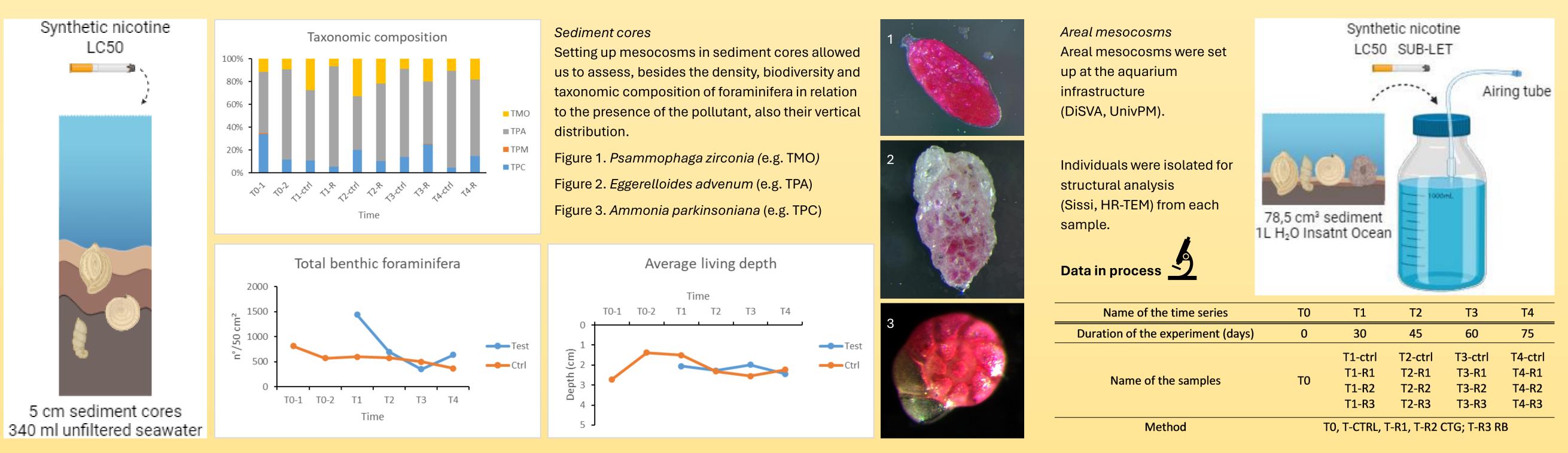
Objective

The purpose of the project is to investigate the impact of littered smoked CBs and its associated toxicant, particularly nicotine on benthic foraminifera by evaluating the effect they cause on their shells, which leave a trace over time, considering them as an index of anthropogenic pollution on the marine environment.

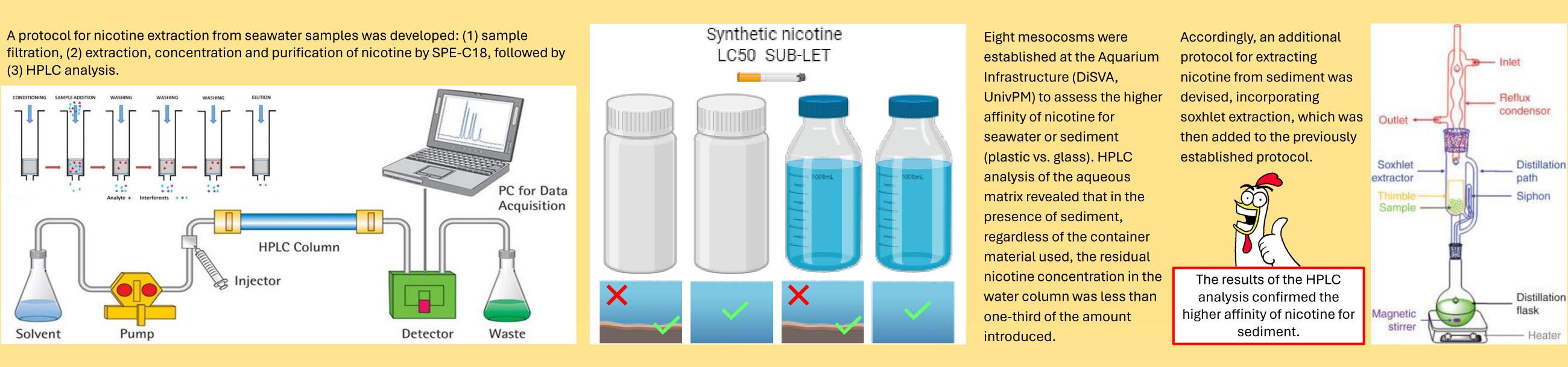
Acute toxicity test on selected benthic foraminiferal species



Chronic toxicity test on benthic foraminiferal fauna: mesocosm approach



Pollutants (nicotine-DEHP) detection in marine water and sediment (in collaboration with DiSCO)



Biomineralization studies

