

Special EFB/Environmental Biotechnology Section workshop

W-2. Control and mitigation of agricultural and industrial pollution affecting marine-terrestrial interface (coastal zone)

Session Chairs: EC DG Research & Innovation (to be confirmed)
Prof. Chunxia Wang, National Science Foundation of China

This technical workshop gathering experts from various fields is addressing the control and mitigation of agricultural and industrial pollution affecting terrestrial/marine interface in coastal zone. This workshop aims (i) to deliver a review of efforts (including on-going R&D projects) made in the past and presently, more particularly listing the main impacting sources and available mitigation technologies; (ii) to identify research needs; and (iii) to compare the status of European R&D in this field with other significant overseas programs, e.g. China (with keynote presentations from Chinese colleagues). Results of this event will be compiled and further disseminated to stakeholder groups of the green economy sectors in November 2015 at Ecomondo 2015 (Rimini, Italy).

Possible topics include:

- Flash flooding of pollutants by temporary rivers
- Wastewater treatment plants micro-pollutants and nanoparticles
- Impact of major Industrial activities in the coastal zone (e.g., large refineries)
- Agricultural impact (pesticides, eutrophication, algal blooms, fertilizers, etc.)
- Detrimental effects of urban construction on the coastal zone
- Plastics and microplastics as recalcitrant pollutants
- Salt water infiltration in drinking water aquifers

Keynote Speakers: Prof. Nikolaos Nikolaidis, TU-Crete, Greece