

## Plants and pollutants in the environment

**CHAIRS:** Silvia Mohr, Gertie Arts, Claudia Cosio, Rocio Millan



Monday 12<sup>th</sup> May 2014, 08:10 – 12:50, room: Boston 1

As primary producers, aquatic and terrestrial plants play key structural and functional ecological roles by providing several ecosystem services including oxygen production, habitat and shelter for other species, food and clean water for animals and humans. They are involved in biogeochemical cycling of nutrients such as carbon, phosphorus, or nitrogen but also interact with pollutants in many ways. It is therefore of utmost importance to better understanding mechanisms for uptake and fate of contaminants in plants and to adequately assessing potential risks of toxicants to non-target plants in the risk assessment of chemicals.

Contributions are welcome which aim to broaden our knowledge of uptake and fate of contaminants in plants under environmentally relevant conditions and which focus on the development of new toxicity tests and models for chemical risk assessment. The session will cover studies on chemical uptake and metabolic processes in plants as well as on biomonitoring or on refinements for the plant risk assessment.

**SESSION TYPE:** Platform and Poster

**ADVISORY GROUP:** Plants Advisory Group (Global)