

## Coastal marine environments as entrance pathways for emerging organic pollutants into the oceans

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The coastal regions of our world are also regions with the highest population density. Large cities and associated large-scale infrastructures including agriculture, aquaculture, transportation, industry, and other supporting activities, are often identified as point sources for a large variety of organic pollutants including chemicals of emerging concern (CECs). Hence, in general, the coastal regions of our globe are currently assessed as important environmental pollution source with relevance for the hemispherical contaminant mobility. The primary pollution sources from coastal region are releasing their contaminant burden continuously into all major environmental compartments including water and the atmosphere. Furthermore, most newly identified priority organic pollutants are identified as chemical used in technical application or directly for human health protection. Hence, they are associated with densely populated regions as primary emission sources. The presentation will give a brief introduction into coastal regions as important pollutant source for organic contaminants on a global scale and discuss the implication of selected contaminant groups with respect to global distribution and environmental mobility.



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