

purpose of the WG **upcoming pollutants:**

exchange of knowledge for people working in the field of **chemical-analytical or **biological** monitoring of **upcoming pollutants** :**

method development, cooperation and discussion of **guidelines (sampling, method validation, quality assurance, evaluation....),**

support for other working groups

upcoming pollutants

Emerging or **upcoming pollutants** are chemicals which were only recently detected in the environment (media, biota..,). These compounds were either **not detected earlier** because it was **not known that they are present in the environment** or because they could not be detected until now because **analytical methods were not sensitive enough**

Origin of the working group

In October 2004 a working group on **environmental monitoring** was established by the **division of Environmental Chemistry and Ecotoxicology** of the **German Chemical Society (GDCh)**.

<http://www.oekochemie.tu-bs.de/ak-umweltchemie/akberichte.php?navi=D26>

One of the topics of the group are **emerging pollutants**.
A compilation of work from members of this group was published on the homepage of the working group

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Examples for upcoming pollutants

alkyl phenols and ethoxylates

biocides and transformation products (e.g., triclosan)

organophosphorous flame retardants

perfluorinated compounds

pharmaceuticals

platinum group elements (Pt, Pd, Rh)

synthetic musk fragrances

triazoles (e.g. benzotriazole)

UV filter compounds (e.g., benzophenone-3)

Methodological topics

- General: **tailor-made, integrative, cost-effective**
 - **sampling, representativity of samples**
 - **sample treatment, homogenisation, storage**
 - **analytical methods, validation, quality assurance**
 - **reference materials, interlaboratory method comparisons**
 - **plausibility of findings, relevance**
 - **data banks, availability of data**
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