

# NANO--Transfer

## Fate, occurrence & behaviour of C-MNMs

- Characterization of weathered C-MNMs
- Micro- and mesocosm studies
- Fate of loaded C-MNMs in sediment-water systems
- Degradation products

## Bioaccumulation and effects of C-MNMs

- Algae, fish, water fleas
- Sediment & blackworms
- Biofilm & snails
- Plankton & mussels



## Cell experiments & OMICS

- qPCR
- Receptor analysis
- Calux
- AMES & YES

## Case studies: fate & ecotoxicity

- In estuarine systems
- In stream systems
- In lake systems
- Different consumers



## **Call for Abstracts:**

15.08.2017

Registration: [www.nano-transfer.eu](http://www.nano-transfer.eu)

## Registration Fees

	Reduced*	Regular
until 01.08.2017	60 €	90 €
until 05.10.2017	70 €	100 €

\* for students and PhD candidates

## Conference location

RWTH Aachen University  
SuperC – 6<sup>th</sup> floor  
Templergraben 57  
52062 Aachen, Germany



## Why a conference?

Various carbon-based manufactured nanomaterials (C-MNMs) are used in many products in our daily life.

In all trophic levels this kind of particles have been already detected, but appropriate methods of detection and assessment of their effects still need to be developed and improved.

The aim of the conference is the international presentation of the results of the ERA-SINN project NANO-Transfer. Furthermore, different presentations and posters regarding nanoparticles and microplastics will be shown.

As part of an international winter school, PhD candidates and students learn methods for the detection of fate and effects of nanoparticles.

Some of the questions and topics focused on at this conference include:

**What are the newest detection methods?**

**How is it possible to analyze bioaccumulation and biomagnification?**

**How could micro- and mesocosm studies help to analyze the effects on environmental systems?**

**Which steps are necessary for an international comparison of the results?**

This and many more questions and topics will be discussed at the NANO-Transfer conference in Aachen (19.10.2017 - 20.10.2017).

## Project Partners

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## Do you want to know more?

### Local Organization Committee

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For further information please visit:

[www.nano-transfer.eu](http://www.nano-transfer.eu)

**Nano particles and Microplastics  
Small particles with huge effects?**

# NANO- Transfer



**International Conference  
& Winter School**

**19.- 20.10.2017**

**Aachen**

