



**POLITECNICO  
DI TORINO**

Dipartimento di Ingegneria  
dell'Ambiente, del Territorio  
e delle Infrastrutture



## Abstract

The Paris Agreement sets ambitious goals to limit climate change, but also facilitates adaptation to unavoidable climate change. In line with the Paris Agreement, the European Union and its Member States, have agreed on several policies to limit greenhouse gas emissions by 2030, and outlined a plan to further limit these emissions by 2050. These plans will have far fetching consequences for society, but also provide new opportunities. The transformation of the energy sector is one of the grand challenges, but also emissions related to the land sector are of importance. Agriculture is seen as part of the problem, but also the solution, and Dr Dentener will present some examples of work at the Joint Research Centre. He will further present in more detail an analysis of the mitigation opportunities for methane, and the benefits for public health, agriculture and climate.

## Frank Dentener



Frank Dentener works since 25 years in the field climate change, agriculture and atmospheric pollution. Frank is senior expert and group leader at the European Commission's Joint Research Centre. He completed a Ph.D. in Physics with Nobel prize-laureate Paul Crutzen at Utrecht University. He is member of the scientific advisory board of the JPI FACCE, and co-chair of WMO's Scientific Advisory Group on near-real-time applications, and he has served on a variety of international commissions. He has (co-) authored more than 200 peer-reviewed publications and 3 IPCC reports, Hirsch factor 80, and is a Clarivate highly cited scientist. Frank held assistant professorships at Wageningen and Utrecht University, in the Netherlands, and recently taught at the ETH in Zurich. He supervised and examined ca. 10 Ph.D. and Habilitation candidates. Frank is an expert in atmospheric chemistry-land interactions, including ozone impacts on agriculture, agricultural production systems, and climate change and mitigation and adaptation.

# Climate Change

## Challenges for science and policy

## May Wed 22

### h: 11.30

**Meeting Room  
1st Floor  
DIATI Entrance 3**

Politecnico di Torino,  
Corso Duca degli Abruzzi 24,  
10129, Torino, Italy



**Attendance is free  
upon registration at:  
[bit.ly/dentener](http://bit.ly/dentener)**

