



# Cloud\_cci User Workshop

Enabling new climate studies on various temporal and spatial scales by the  
Cloud\_cci cloud property datasets

*Date: 15-16 November 2017, Location: DWD, Hamburg*

## Workshop Programme

### Wednesday, 15 November 2017

09:00-10:30 **Introduction to Cloud\_cci**

**Introduction to Cloud\_cci and the workshop (15')**

*Rainer Hollmann (DWD)*

**The Cloud\_cci retrieval schemes – Part 1: FAME-C (15')**

*Cintia Carbajal Henken (FU Berlin)*

**The Cloud\_cci retrieval schemes – Part 2: CC4CL and uncertainties (15')**

*Caroline Poulsen (RAL)*

**The Cloud\_cci datasets (30')**

*Martin Stengel (DWD)*

10:15-10:45 Coffee

10:45-12:15 **Model evaluation**

**The Cloud\_cci satellite simulator and its application to global EC-Earth model data (30')**

*Salomon Eliasson (SMHI)*

**Application of the Cloud\_cci simulator to RACMO (30')**

*Erik van Meijgaard (KNMI)*

**ENSO cloud and SST variability in satellite observations and climate models (30')**

*Ulrika Willén (SMHI)*

12:15-13:45 Lunch

13:45-15:15 **Climate analysis / characterization**

**Actively tracing the origins of 'Too-Bright' clouds in climate models (30')**

*Christine Nam (Leipzig University)*

**Recent trends in cloudiness over the Arctic: Insights from CLARA-A2, PATMOS-x and ESA Cloud CCI long-term datasets (30')**

*Karl-Göran Karlsson, to be presented by Salomon Eliasson (SMHI)*

**Analysis of Cloud Top Phase Distribution and Related Parameters in Cloud\_cci in Comparison to CLARA-A2 (30')**

*Olimpia Bruno (KIT)*

15:15-15:45 Coffee

15:45-17:00 **Cloud droplet number concentration**

**Cloud droplet number concentration – a seeding presentation (30')**

*Stefan Kinne (MPI-Meteorology, Hamburg)*

**Brief summary on the outcomes of the CDNC workshop (Leipzig, 2017) (30')**

*Odran Sourdeval (Leipzig University)*

**Deriving CDNC from Cloud\_cci datasets – first preliminary results (15')**

*Martin Stengel (DWD)*

19:00/19:30 Dinner

**Thursday, 16 November 2017**

09:00-10:45 **Aerosol-cloud interaction**

**Impact of aerosol swelling, wet scavenging and meteorology on aerosol-cloud interactions (ACI) (30')**

*David Neubauer (ETH)*

**Toward a global assessment of aerosol influence on the vertical extent of clouds (30')**

*Luca Lelli (University of Bremen)*

**The variation of cloud properties with aerosol index around localised sources - Caroline Poulsen (15')**

*Caroline Poulsen (RAL)*

10:45-11:15 Coffee

11:15-12:15 **Practical applications**

**Cloud\_cci Data within the EnMAP Mission Planning System (30')**

*Thomas Fruth (DLR)*

**Cloud\_cci based Climate Services. One Example and all the Options (30')**

*Reto Stöckli (MeteoSwiss)*

12:15-13:00 **CCI toolbox presentation with Cloud\_cci examples**

*Marco Zühlke Brockmann Consult)*

13:00-13:30 **Wrap up**

13:30 End

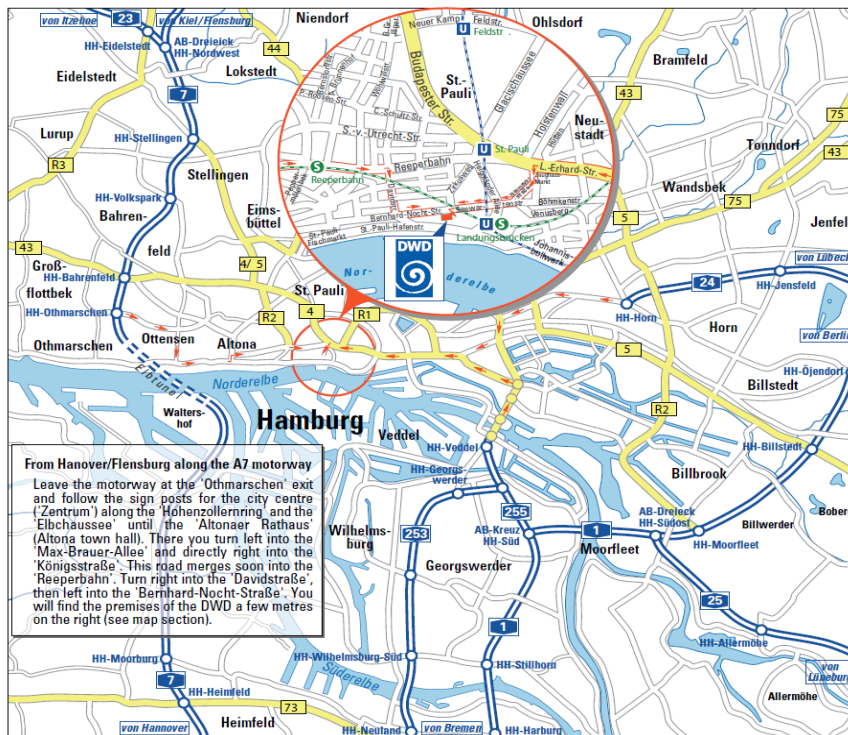
Workshop venue:

## DWD - Branch Office Hamburg - Seewetteramt

Deutscher Wetterdienst  
Bernhard-Nocht-Straße 76  
20359 Hamburg  
GERMANY



Getting there:



**Deutscher Wetterdienst**  
Wetter und Klima aus einer Hand

<b>Hamburg Branch Office</b>	Bernhard-Nocht-Straße 76 20359 Hamburg Phone: +49 (0)69/8062-0 Fax: +49 (0)69/8062-6106 E-mail: <a href="mailto:dwd.hamburg@dwd.de">dwd.hamburg@dwd.de</a>
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### From Lübeck/Berlin along the A1/A24 motorways

Follow the A1 to the 'Hamburg Ost' motorway junction and change there to the motorway A24 towards 'Hamburg-Horn'. Follow the A24 to the end ('HH-Horn' exit). Turn right into the 'Sievekingsallee'. Follow this road to the end and then turn left into the 'Bürgerweide'. At the 'Anckelmann Platz' turn right into the 'Spaldingstraße' and follow it. At its end, this road merges slight right into the 'Amsinckstraße' (B4). Follow the B4 through the 'Deichtortunnel' into the 'Ost-West-Straße' which then merges into the 'Ludwig-Erhard-Straße'. Follow this road until you reach the left turning lane sign-posted 'Zeughausmarkt'. Here, you turn left onto the 'Zeughausmarkt' and continue turning slight right into the 'Neumayerstraße'. At the next crossing turn right into the 'Seewartenstraße'. Follow this road until you reach the bending main road. Here, turn sharp left into the Bernhard-Nocht-Straße (one way!). The DWD is directly ahead of you (see map).

### From Bremen along the A1 motorway

From 'HH-Süd' motorway junction, you follow the A255 to its end, exit 'HH-Veddel'. Continue straight and cross the river Elbe, then turn left into the 'Amsinckstraße'. Stay on this road, it merges into the 'Ost-West-Straße'. Follow from there the directions for coming 'From Lübeck/Berlin'.

### By train / local public transport

Hamburg Main Station is served from all directions. Taxis are available at the station. The closest suburban railway and underground station (S-/U-Bahn) to the DWD is Landungsbrücken.