

## ACTRIS-2 WP3 trace gas QA meeting, Bologna, CNR, 16-18 April 2019

Local host: [p.cristofanelli@isac.cnr.it](mailto:p.cristofanelli@isac.cnr.it), [p.trisolino@isac.cnr.it](mailto:p.trisolino@isac.cnr.it)

Phone (Paolo Cristofanelli): +39 051 – 6399597 (office)

- **Registration and fee:** For the registration, you are asked to send an e-mail to [p.cristofanelli@isac.cnr.it](mailto:p.cristofanelli@isac.cnr.it) AND [p.trisolino@isac.cnr.it](mailto:p.trisolino@isac.cnr.it) (not later than 29<sup>th</sup> March 2019) and specify which part of the program you are going to attend (full, NOx, VOC). Costs (lunches, refreshments and coffee breaks) will be supported by CNR. No fees are requested to attendants.

Note the deadline for registration: 29<sup>th</sup> March 2019

- **Meeting venue:** CNR “Area della Ricerca”, Via Gobetti 101, 40129 Bologna (Italy). Logistic information (i.e. “how to reach”) can be found at the web site: <https://www.bo.cnr.it/dove-siamo-eng.html>.

The venue is about 2 km **from the city center and the railway station “Bologna Centrale”**, thus it can be reached by walking (30 minutes). You can also arrive by bus with lines 87 or 37 (get on at “XX Settembre – Autostazione” or “Piazza dell’Unita”). If you like to be “green”, a nice service of bike sharing is active in Bologna (need to download an “app” to your smartphone, see <https://mobike.com/it/>)

**From BLQ airport:** take the AEROBUS “BLQ” and change to the 87 bus at the “Ospedale Maggiore” (be careful, you need 2 tickets: one for “BLQ” bus and one for 87 bus), or take a taxi: the CNR is a 10-minute taxi ride (ask for “CNR, via Gobetti 101”, estimates cost: about 12 Euro)

- **Bus tickets:** the “BLQ” bus needs a special ticket (one way: 6 Euro) that must be purchased at the airport by self-service machines located at the “BLQ” stop to city center (on the left when you went outside from the main exit, see [https://media.bologna-airport.it/System/159805/MAPPA\\_TML\\_2019.pdf](https://media.bologna-airport.it/System/159805/MAPPA_TML_2019.pdf)). For other bus lines you can purchase one-way or multiple way tickets at the same self-service machines or at newsstands or in some bars in the city.
- **Joint dinner:** Further details will be provided. The dinner costs are not supported by CNR.

**Hotels:** here we provided a list of recommended hotels. Some of them offer special rates for the ACTRIS meeting (you have to refer to "CNR workshop 16-18 April 2019 (Ref. Paolo Cristofanelli)". Other hotels can be found at <https://www.booking.com>. Prices are per night.

**Hotel Arcoveggio (Bolognina, 1.3 km from CNR)**

[www.arcoveggiohotel.it](http://www.arcoveggiohotel.it)

Via Lionello Spada, 27, 40129 Bologna Phone +39 051 355436 Fax +39 051 363102

Special rates for CNR guests: from 45 Euro/night to 75 Euro/night (no breakfast available: only hot/cold beverages)

Booking by [info@arcoveggiohotel.it](mailto:info@arcoveggiohotel.it)

**Hotel "Best Western City Hotel" (Bolognina, 1.4 km from CNR)**

<https://www.cityhotelbologna.it/>

Via Ambrogio Magenta 10, 40128 Bologna Phone +39 051.369893 Fax +39 051.368071

Rates from 60 Euro/night to about 110 Euro/night (breakfast can be not included)

**Hotel "Guercino" (Bolognina, 1.7 km from CNR)**

<https://www.guercino.it/en/index.html>

Via Luigi Serra 7, 40129 Bologna, Phone +39 051.369893 Fax +39 051.368071

Special rates for CNR guests (max 12 rooms): from 54 Euro/night to 89 Euro/night (extra: 10€ for "superior" rooms)

Booking by [reception@guercino.it](mailto:reception@guercino.it)

**Hotel "I Portici" (City Center, 2.5 km from CNR)**

<http://www.iporticihotel.com>

Via dell'Indipendenza 69, 40121 Bologna, Phone +39 051 42185 Fax +39 051 4218550

Special rates for CNR guests: specify "Congresso CNR (Ref. Cristofanelli)" when booking

**Nuovo Hotel del Porto (City Center, 2.6 km from CNR)**

<http://www.nuovohoteldelporto.com/>

Via Del Porto 6, 40122 Bologna, Phone +39 051 247926 Fax +39 051 247386

Rates from 55 Euro/night to about 76 Euro/night

**Hotel "EXCELSIOR Star Hotel" (Railways Station, 2 km from CNR)**

<https://www.starhotels.com/en/our-hotels/excelsior-bologna/>

Viale Pietramellara, 51, 40121 Bologna Phone +39 051 246178, Fax +39 051 249448

Rates: about 140 Euro/night (breakfast included)

**Hotel "Mercure Bologna Centro" (Railways Station, 2 km from CNR)**

<https://www.accorhotels.com/it/hotel-1310-mercure-bologna-centro/index.shtml>

Viale Pietramellara, 59, 40121 Bologna Phone +39 051 42211 Fax +39 051 249421

Rates: about 90 Euro/night (breakfast included)

Contact: [h1310@accor.com](mailto:h1310@accor.com)

**Hotel "Cavour" (City Center, 3 km from CNR)**

<http://www.cavour-hotel.com/>

Via Goito 4, 40126 Bologna, Phone +39 051.22.81.11 Fax +39 051.22.29.78

Special rates for CNR guests (breakfast included): Standard Room (from 81 to 105 Euro/night), Deluxe (Rooms from 110 to 135 Euro/night).

Booking by [info@cavour-hotel.com](mailto:info@cavour-hotel.com)

## Programme

***A detailed program will be available soon***

**Meeting overview (preliminary):**

**NO<sub>x</sub> part of the WP 3 trace gas meeting**

Tuesday 16.04.19		
13:00	NO <sub>x</sub> Welcome and logistics	CNR / FZ Jülich / Empa
13:15	Mobile NO <sub>x</sub> measurements	FZ Jülich / DWD
13:45	NO <sub>x</sub> observations at different sites (15min /site)	all
15:30	<i>Coffee break</i>	
16:00	NO <sub>x</sub> observations at different sites (15min /site)	all
16:30	Visualization of NO <sub>x</sub> data files submitted to the EBAS data archive	FZ Jülich / DWD
17:30	Discussion of station data	all
18:30	End of first day	all
Wednesday 17.04.2019		
09:00	Status of SOP	FZ Jülich / DWD
10:30	<i>Coffee break</i>	
10:45	Discussion on further QA, Central Facilities Target measurements for NO <sub>x</sub> Uncertainties/criteria for local contamination	FZ Jülich / DWD
12:00	<i>Lunch</i>	

**Joint part of the WP 3 trace gas meeting**

Wednesday 17.04.2019		
13:00	ACTRIS and the EBAS data archive	NILU
13:30	CEN/TC 264/WG 12 "Reference methods for the determination of SO <sub>2</sub> , NO <sub>x</sub> , CO, O <sub>3</sub> in ambient air"	DWD
13:45	Monte Cimone trace gas measurements	Uni Urbino, CNR
14:00	Cap Corsica trace gas measurements	SAGE
14:15	TBD	TBD
14:30	TBD	TBD
15 :00	<i>Coffee Break</i>	

**VOC part of the WP 3 trace gas meeting**

<b>Thursday 17.05.2018</b>		
15:30	VOC Welcome and logistics	Empa / DWD
16:15	Presentation of the new web-based QA assurance tool for VOC submission to EBAS VOC Summary performance station	Empa / NILU
16:45	Discussion of remaining issues	DWD / Empa
18:00	End of second day	
<b>Friday 18.05.2018</b>		
09:00	Discussion of remaining issues continued	DWD / Empa
09:30	Discussion of uncertainties	SAGE
10:30	<i>Coffee break</i>	
11:00	VOC Measurement Guidelines	DWD / Empa
11:30	Discussion on ACTRIS Central Facilities and other QA issues	DWD / Empa
12:00	VOC Side-by-Side intercomparison	SAGE / DWD
12:30	Other issues: - OVOCs under ACTRIS - Advertising of new high-quality data	all
13:00	End of the meeting	