

Venue:

National Research Council of Italy
(CNR)

Piazzale Aldo Moro, 7, Rome, Italy

Meeting Room: Aula Marconi

www.cost-indust.eu

inDust

International Network to Encourage the Use of
Monitoring and Forecasting Dust Products

Organisers:



WORLD
METEOROLOGICAL
ORGANIZATION



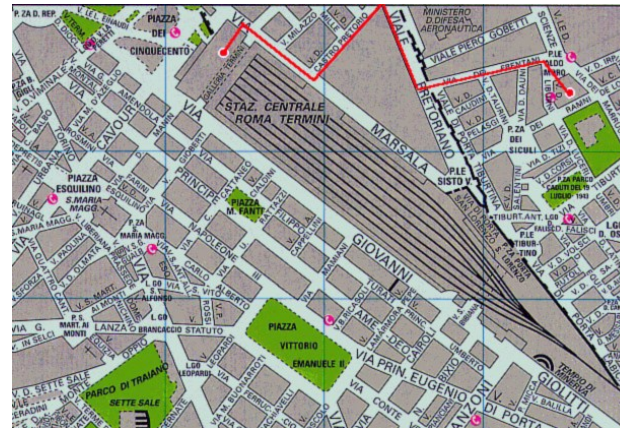
Barcelona
Supercomputing
Center
Centro Nacional de Supercomputación



Agencia Estatal de Meteorología



National Research Council of Italy



Registration is **FREE** of charge
To participate, please fill
the relevant registration form at:

<https://indust.typeform.com/to/tOvTxX>

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(f.barnaba@isac.cnr.it)

How to arrive

CNR headquarters are about 1,5 Km from
Termini Station, 15-min walk following the
itinerary indicated in this map (red).

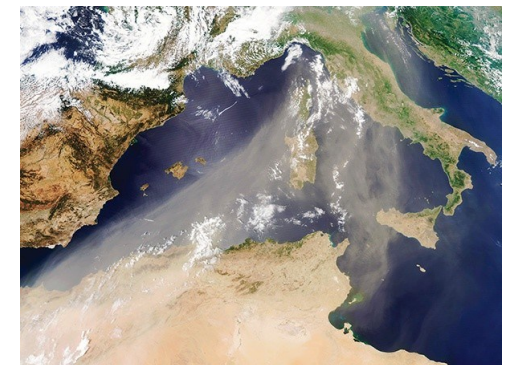
The Termini Station can be reached by train
from Rome Fiumicino Airport, as well as by
Metro lines A and B

Find more on:

<https://www.cnr.it/en/reach-headquarters>

inDust

Desert Dust impacts on
Air Quality in Europe:
narrowing the gap
between current
scientific knowledge
and users needs



Rome (Italy), March 11-12 2019



National Research Council of Italy



Funded by the Horizon 2020 Framework Programme
of the European Union

This event is organised thanks to the **COST Action inDust CA16202**, supported by the European Cooperation in Science and Technology (COST). COST is a funding agency for research and innovation networks. Its Actions help connect research initiatives across Europe and enable scientists to grow their ideas by sharing them with their peers. This boosts their research, career and innovation.



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Motivation

Transport of **desert dust** is a global phenomenon. For countries located in and downwind of arid regions, such as **Europe**, dust outbreaks may greatly increase the ambient air levels of particulate matter (**PM**), posing serious risks to the environment, property and human health.



Due to its proximity to Sahara desert, Europe is frequently affected by desert dust intrusions, some of which may cause exceedances of the EU Air Quality PM limits.

Aim of the workshop

In this **workshop** we will:

- Bring together the different actors interested in evaluating the **mineral dust impacts on air quality**.
- Discuss **methodologies** currently available to quantitatively report on contributions of this natural source to ambient PM levels in Europe, in compliance with the EU Air Quality Directive (2008/50/CE).
- Establish a direct **communication channel** between the stakeholders and scientific communities, to shape future research on user needs, thus bridging science and society.

About inDust

inDust (www.cost-indust.eu) is an EU funded **COST Action** intended to establish a network involving Research Institutions, Environmental Agencies, National & Regional Authorities and Policy Makers. This network searches to identify and exploit dust products (observational and forecast) best suited to be transferred to the end-users.

Agenda

March 11, 2019

13:30-14:00	Welcome and Registration
14:00-14:20	COST-InDust Introduction Sara Basart, BSC, Barcelona, Spain
Dust Forecast and Observational Products	
14:20 - 14:40	Dust Cycle and ongoing initiatives - SDS-WAS Ernest Werner, AEMET, Barcelona, Spain
14:40 - 15:00	Dust forecast products Sara Basart, BSC, Barcelona, Spain
15:00 - 15:20	Dust observation products Lucia Mona, IMAA-CNR, Potenza, Italy
Dust Impacts	
15:20 - 15:40	Dust Impacts on Air Quality: Red Minoan case Alexandra Monteiro, U. Aveiro, Portugal
15:40 - 16:00	Dust Impacts on Health Massimo Stafoggia, DEP, Rome, Italy
Coffee Break	
Other EU Air quality initiatives	
16:20 - 16:40	Copernicus Atmosphere Monitoring Service: overview Zak Kipling, ECMWF, UK
16:40 - 17:00	Copernicus Atmosphere Monitoring Service: products Michael Gauss, MetNo, Norway
17:00 - 17:20	FAIRMODE: overview Jonilda Kushta, Cyprus Institute, Cyprus
17:20 - 17:40	ISCAPE: urban AQ control tools Athanasios Votsis, FMI, Finland
17:40 - 18:00	Closure

March 12, 2019

Dust contribution to Air Quality PM Levels

09:00 - 09:15	The EC-Guidelines to estimate the dust contribution to PM10 Andres Alastuey, CSIC-IDAEA, Barcelona, Spain
09:15 - 09:30	Dust contribution in Spain from EC-Guidelines application Andres Alastuey, CSIC-IDAEA, Barcelona, Spain
09:30 - 09:45	Dust contribution in the Canary Islands Emilio Cuevas, AEMET, Tenerife, Spain
09:45 - 10:00	Dust contribution in Portugal from EC-Guidelines application Joana Monjardino, New Univ. Lisbon, Portugal
10:00 - 10:15	Dust events in Portugal Alexandra Monteiro, U. Aveiro, Portugal
10:15 - 10:30	Dust contribution in Italy from EC-Guidelines application Alessandro Di Menno di Bucchianico, ISPRA, Italy
10:30 - 10:45	Dust contribution in Italy from the DIAPASON approach Francesca Barnaba, ISAC-CNR, Rome, Italy

Coffee Break

11:05 - 11:20	The control of dust fraction in the Bulgarian Network of Air Quality Milena Parvanova, Exec. Environ. Agency, Bulgaria
11:20 - 11:35	Dust events in Cyprus Chrysanthos Savvides, Min. Lab. Wel. & S.I., Cyprus
11:35 - 11:50	Dust contribution in Turkey Irde Gurtepe, Min. Environ. & Urbaniz., Turkey
11:50 - 12:05	Dust contribution in Jordan Tareq Hussein, Univ. of Jordan, Jordan

Round Table

12:05 - 13:05	Experiences and needs from Stakeholders
13:05 - 13:30	Wrap up and Closure

Soft Lunch