

WORKSHOP

Characterization of atmospheric pollution in harbour areas



Contribution of Emission Sources on the Air quality of the PORT-cities in Greece and Italy

www.cesapo.upatras.gr

WEDNESDAY 26th JUNE 2013

9:30 – 16:30

Room Y1 Building "Angelo Rizzo"

University Campus

str. prv. Lecce-Monteroni km1.2, 73100



The Workshop, organized in the framework of CESAPO project (European Territorial Cooperation Programme Greece-Italy 2007-2013), is focused on advanced experimental and numerical studies of air pollution in harbour areas discussing the experiences developed in the CESAPO project. Specifically the Workshop will discuss studies and methodologies for individuation and characterization of gaseous pollution, atmospheric particulate matter and organic and inorganic micro-pollutants released in harbour areas or in their proximity.

There is not registration fee for participation to the Workshop, for further information contact the Organising Committee at the e-mail address d.cesari@isac.cnr.it



Scientific Committee

Daniele Contini, ISAC-CNR

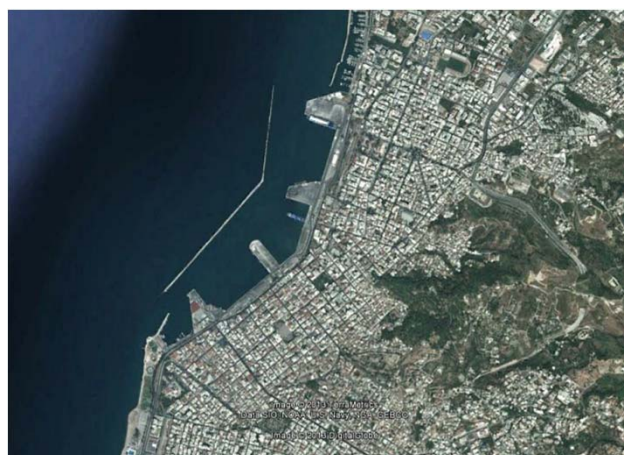
Alessandra Genga, Università del Salento

Roberto Giua, ARPA Puglia

Athanassios Argiriou, University of Patras

Dimitris Melas, University of Thessaloniki

Andrea Gambaro, Università Ca' Foscari di Venezia



Organising Committee

Antonio Donateo, ISAC-CNR

Daniela Cesari, ISAC-CNR

Alessandra Nocioni, ARPA Puglia

Maria Siciliano, Università del Salento



REGIONE
OF WESTERN
GREECE
full of contrast!



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PROGRAM

09.20-09.30: Registration

Session 1 – Atmospheric pollution in harbour areas

Chair: *Daniele Contini, ISAC-CNR*

09.30-10.30: Opening, introduction and authority welcome

Giorgio Assennato, Direttore Generale ARPA Puglia

Cristina Sabbioni, Direttrice ISAC-CNR

Luigi de Bellis, Direttore DISTEBA, University of Salento

Aldo Tanzarella, Dirigente Autorità Portuale di Brindisi

Antonello Antonicelli, Direttore di Area, Assessorato alla Qualità dell'Ambiente, Regione Puglia

Cosimo Consales, Sindaco del Comune di Brindisi

10.30-11.00: Invited talk

Impact of ships emissions in the Central Mediterranean Sea: evidence and quantification from aerosol chemical data at the island of Lampedusa.

Becagli S., D.M. Sferlazzo, G.Pace, C.Bommarito, G.Calzolai, A.di Sarra, F.Lucarelli, D.Meloni, F.Monte Leone, M.Severi, R.Traversi, R.Udisti.

11.05-11.35: Coffee break

Session 2 – Gaseous and particulate pollution studies in harbour areas

Chair: *Giorgio Giovanelli, ISAC-CNR*

11.40-12.00 - Contribution of Emission Sources on the Air quality of the PORT-cities in Greece and Italy - Objectives and Methodologies.

Argiriou A. and Poupkou A.

12.00-12.20 - Deployment of a remote sensing technique for monitoring of ferries gaseous emissions in the port of Brindisi.

Masieri S., I.Kostadinov, M.Premuda, D.Contini, D.Bortoli, G.Giovanelli.

12.20-12.40 - Maritime traffic contribution to atmospheric aerosol concentration in the Brindisi harbour area.

Contini D., A.Donateo, E.Merico, D.Cesari, F.M.Grasso, A.Nocioni, R.Giua.

12.40-13.00 - Particulate matter source apportionment for the urban center of Patras (Greece) using the WRF-CAMx modeling system.

Melas D., A.Poupkou, N.Liora, A.Karagiannidis, T.Giannaros, C.Giannaros, A. Argiriou

13.00-14.25: Lunch

Session 3 – Modelling and measurements of pollution source in harbour areas

Chair: *Dimitris Melas, Aristotle University of Thessaloniki*

14.30-14.50 - The direct effect of the harbour of Brindisi on organic micropollutant concentration

Gregoris E. and Gambaro A.

14.50-15.10 - Chemical characterization of particulate matter in Brindisi

Genga A., M.Siciliano, T.Siciliano, A.Tepore, G.Micocci, D.Contini, D.Cesari., P.Ielpo

15.10-15.30 - Source Apportionment of PM2.5 in the harbour area of Brindisi.

Cesari D., P.Ielpo, A.Genga, M.Siciliano, A.Donateo, M.Conte, E.Merico, F.M.Grasso, D.Contini

15.30-15.50 - The Arpa Puglia tools within the project Cesapo: a contribute to the study of atmospheric pollution in Brindisi Port

Giua R., A.Nocioni, T.Pastore, S.Spagnolo

15.50-16.10 - Impact of ship emissions from the Brindisi Port on Apulia Region air quality: a modellistic approach

Cesari R., A.Maurizi, F.Tampieri

16.10-16.30 - Evaluation of ship-emissions impact in the Brindisi harbour area: short-range dispersion modelling

Di Sabatino S., R. Buccolieri, L.Cezza, R.Quarta

