Registration and practical arrangements

The event will take place at the Barcelò Hotel, (Room Bougainville 1) in the vicinity of the premises of World Expo Milano 2015. The workshop takes place from 9:30 until 12:45, and afterwards participants can enjoy the pavilion attractions and scientific displays offered by the Expo until 23:00 in the evening (ticket not included).

It is recommended to order tickets for EXPO in advance at http://www.expo2015.org.

Registration for our event is free, and includes refreshments. To register follow the following link:

https://web.jrc.ec.europa.eu/rem/#m22082

Given the restricted number of seats in the meeting room, we can accept a maximum of 80 registrations. If accepted, you will be contacted by the workshop organisers.

Up-to-date information on the event can be found on:


Further details on other events at the Expo
http://europa.eu/expo2015/

Address: Barcelò Hotel. Via Giorgio Stephenson, 55, 20157 Milano (http://www.barcelo.com)
Intensification of agricultural production has led to a myriad of effects on the environment—from impacts on soils, watersheds and coastal systems, greenhouse gas emissions and—less well known—also air pollution.

Agriculture contributes to increasingly dangerous levels of airborne particulate matter, which threaten human health, and to the deposition of nitrogen components, which affects biodiversity.

On the flipside, air pollution also jeopardises food supply: crop yields are reduced by the strong atmospheric oxidant ozone, mainly produced by air pollutant emissions from industry and traffic, but also by emissions of methane, a climate gas related to oil and gas production, as well as agriculture. In comparison to well known stresses on agriculture (such as water shortage, pests and diseases, heat and frost) ozone is a "known unknown": while effects are documented, the potential of increasing crop yields and quality by reducing ozone is not widely known. The interactions between agriculture and air pollution take place from the farm to global scales, thus adding an unexpected dimension to global food production.

The event is organised by JRC scientists, in close collaboration with scientists and policy makers from the UNECE LRTAP Convention, and other key international organisations.

While the emphasis will be on the relationship of sustainable food production and air pollution, the benefits of sustainable agriculture for health, ecosystems and climate, will be integrated in this session as well.

In this event we present in 4 keynote lectures the evidence for such interactions, and also identify potential solutions that lead to lower levels of air pollution and increased crop production, while avoiding other trade-offs. The round table discussion will focus on future actions to control rising levels of air pollution with benefits for food production and, vice versa, the potential for reducing the influence of agriculture on air pollution, the value of regional cooperative efforts, and the role of global institutions in raising awareness.

**Friday 10 July, 2015, 9:30-12:45**

**EXPO2015, Barcelò Hotel, Milan**

**Sustainable food production and air pollution: reducing emissions generates many benefits**

9:00-9:30 Registration

9.30-9:45 Welcome address
David Wilkinson, Director, European Commission, Joint Research Centre, Italy. EU Commissioner General for EXPO 2015.

9:45-10:05 How are air pollution and agriculture related?
Frank Dentener, European Commission, Joint Research Centre, Italy. Co-chair of the Task Force on Hemispheric Transport of Air Pollution.

10:05-10:30 Ozone and agriculture: a hidden threat.
Lisa Emberson, Director, Stockholm Environment Institute, York, UK.

11:00-11:15 How can emission reductions help to bring multiple benefits?
Markus Amann, Programme Director, International Institute for Applied Systems Analysis, Austria.

11:25-11:50 Controlling environmental nitrogen, how can it be done, how will it reduce impacts?

11:50-12:45 Roundtable discussion with policy makers, scientists and conclusions.