

In this issue - July 2018

This issue of our newsletter presents an update MOTTLES activity and upcoming Events

Video presentation of MOTTLES

MOTTLES is founded by the programme LIFE 2015 under the sub-programme Environment and Resource efficiency project application. MOTTLES proposes and demonstrates an integrated approach for deriving scientifically-based thresholds and proper critical levels for forest protection against O₃ in a changing climate. Look at the presentation video realized by Compagnia delle Foreste on MOTTLES [website](#)



21-25 May, 2017

A successful conference on Ozone and Plant Ecosystems

Organized by MOTTLES in collaboration with ICP-vegetation and IUFRO (RG7.01.00)



Sant'Apollonia, Firenze, Italy

From 21 to 25 May, the International conference on Ozone and Plant Ecosystem was held in Florence (Italy). Thanks to the broad participation of experts from different countries and scientific fields, the conference was a fundamental moment to define the state-of-the-art of the challenging interactions between ozone and plant ecosystems.

[Read more...](#)

18-21 September, 2018

"Forest Science for a Sustainable Forestry and Human Wellbeing in a Changing World"

INCDS "Marin Drăcea" 85 Years of Activity, Centenary of The Great Union in 1918



Chamber of Commerce and Industry of Romania, Bucharest, Romania

The International Scientific Conference "Forest Science for a Sustainable Forestry and Human Wellbeing in a Changing World – INCDS "Marin Drăcea" 85 Years of Activity, Centenary of The Great Union in 1918" is an open scientific event dedicated to the anniversary of 85 years of activity in forestry research of the National Institute for Research and Development in Forestry "Marin Drăcea".

In 2018 this great anniversary event coincides with the celebration of 100 years since the Great Union of the Romanian historical provinces. The conference is focused on forest research, with a large range of topics, including: the impacts of air pollution, climate change, biotic and abiotic stressors on forest resources status, adaptive management, modelling and mapping of forest ecosystems and their services, genetics, protected areas, ecological connectivity, new Earth-Observation technologies applied in forestry.

The International Conference will include a special session about MOTTLES project. You can find more information about registration and sessions [here](#).

For Programme and Registration details visit the [website](#)

TOAR: Global surface ozone metrics identified for climate change, human health, and crop/ecosystem research

The use of different air quality markers (metrics) for surface ozone calculated from the same time series can result in different trend patterns. This outcome is important to researchers, as well as policymakers and regulators, who use exposure metrics to assess how changes in ozone levels affect human health, vegetation, and climate. That's one conclusion from a new metrics assessment based on the Tropospheric Ozone Assessment Report -or TOAR-, an effort by the International Global Atmospheric Chemistry Project to create the world's largest database of surface ozone observations from all available ozone monitoring stations around the globe. The paper was published on Friday 6 April in the journal *Elementa: Science of the Anthropocene*.

The TOAR database of surface ozone metrics is publicly available and can be used by scientists and policymakers around the world to quantify the impacts of ozone on human health and vegetation.

TOAR is a project of the International Global Atmospheric Chemistry project, with support from NOAA, Forschungszentrum Jülich, and the World Meteorological Organization.

[Read more...](#)