

TEAM
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SUPPORTS



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GREENHOUSE GAS MEASUREMENTS FROM SPACE – DIFFICULT CHALLENGES, EMERGING SUCCESS, AND PLANS FOR THE FUTURE AT IAC 2018

On **Thursday 4 October 2018**, from **08:30 – 09:30**, **Harry Cikanek**, Director of the Center for Satellite Applications and Research (STAR), National Oceanic and Atmospheric Administration's (NOAA) will moderate a panel of distinguished speakers on the topic of '**Greenhouse Gas Measurements from Space – Difficult Challenges, Emerging Success, and Plans for the Future**' for a Plenary Event.

Atmospheric carbon is steadily increasing. The Keeling Curve, depicting the concentration of CO₂ in the atmosphere over Hawaii, started in 1958 and initially measured 315 ppm. In April 2014, the concentration topped 401 ppm. Contributions to this increase are coming from anthropomorphic and natural sources. As the concentration of greenhouse gases (GHG) grow, Earth is warming and changing the future environment with major challenges to the life on the planet. The COP 21 Declaration is an international recognition of this increase and consequences on life across the planet. Creating a well calibrated, accurate, and globally accepted time series of GHG levels and sustaining those over decades represents a major commitment of space agencies.

Josef Aschbacher, Director of Earth Observation Programmes and Head of ESRIN at the European Space Agency (ESA), **Juliette Lambin**, Earth Observation Program Manager at the Centre National d'Études Spatiales (CNES), **Michael Freilich**, Director Earth Science Division at the National Aeronautics and Space Administration (NASA), **Alain Ratier**, Director General of EUMETSAT, and **Naoto Matsuura**, Senior Chief Officer of Satellite Applications and Director of Earth Observation Research Center (EORC) at the Japan Aerospace Exploration Agency (JAXA) will articulate the difficult challenges of making the needed measurements, convey emerging successes from efforts already underway, and describe plans for the future of these critical observations.

Members of the press are invited to save the date, and [register](#) to ensure that they receive accreditation. Please send confirmation of your registration to media@iafastro.org so that we can ensure that you are properly accredited.

For more information

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