

In memory of Will Ball

A tribute celebrating his life,
achievements and career as a
scientist

ETH zürich



An truly excellent scientist...



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Evidence for a continuous decline in lower stratospheric ozone offsetting ozone layer recovery

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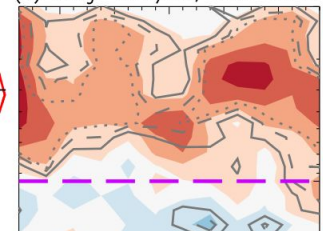
Ozone layer is NOT recovering over some of Earth's most highly populated areas putting billions at risk of exposure to cancer-causing UV rays

- Ozone levels have shown signs of recovery around the poles since the 1980s
- But scientists have now discovered ozone is failing to recover at lower latitudes
- It is likely not recovering at latitudes between 60°N and 60°S
- Researchers believe climate change is altering atmospheric circulation

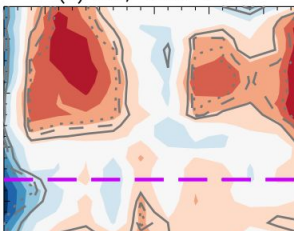
By PHOEBE WESTON FOR MAILONLINE

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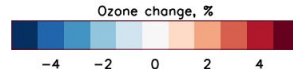
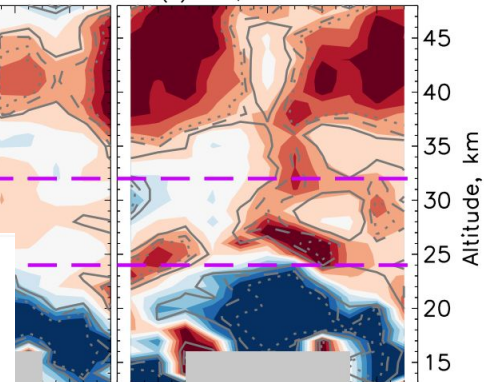
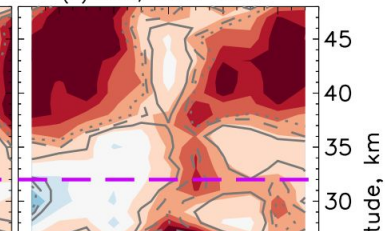
(b) Merg.-SWO/GC, 1998–2016



(c) CCI, 1998–2015



(d) SOO, 1998–2016



#WAR IN UKRAINE #2022FRENCELECTIONS #CANNES FILM FESTIVAL FRANCE AFRICA CULTURE SHOWS FIGHT THE FAKES

Ozone layer declining over populated zones: study

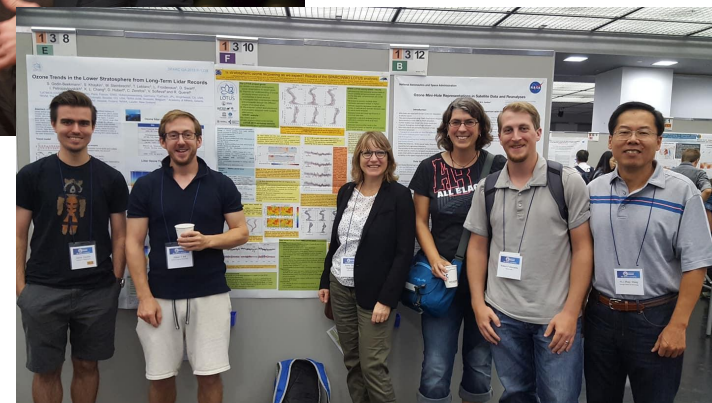
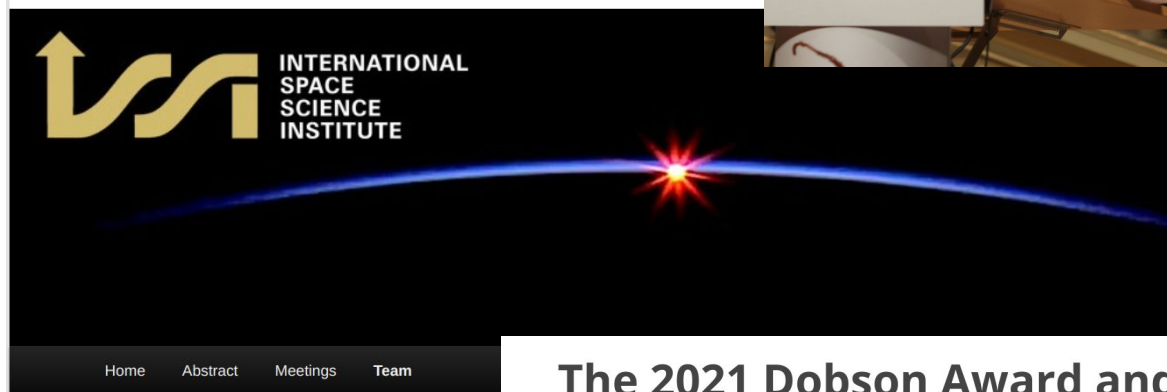


Issued on: 06/02/2018 - 19:54

An truly excellent scientist... with great leadership skills and a bright future in our community

Towards a Universal Framework for Merging Atmospheric Observations from the Ground and Space

ISSI Team led by W. Ball (NL) & D. Hubert (BE)



The 2021 Dobson Award and The 2021 Joseph C. Farman Award

The "**Dobson Award for Young Scientists**" is granted for one or more outstanding research paper(s) in atmospheric sciences published or accepted in a refereed journal since the last Quadrennial Ozone Symposium (2016) by a young scientist (within 10 years of Ph.D).

The 2021 Dobson award winner is **William Ball**

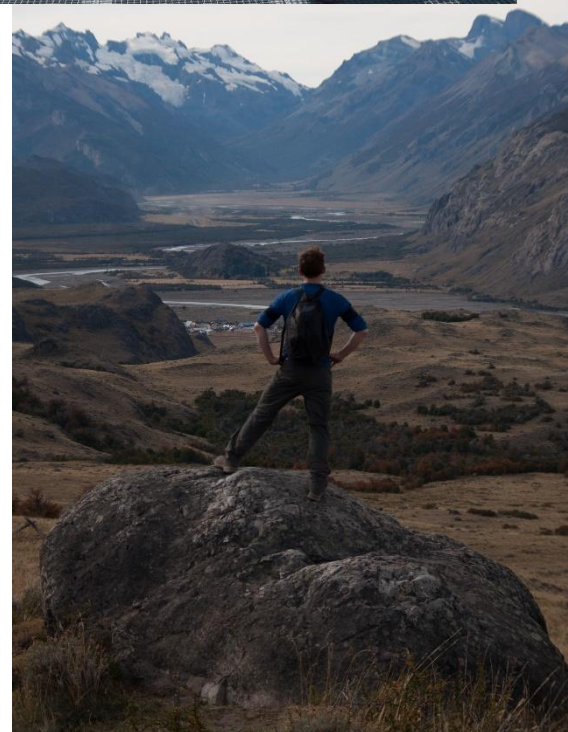
Team

Leaders:

William Ball (TU Delft & KNMI, Netherlands)

Daan Hubert (Royal Belgian Institute for Space Aeronomy (BIRA-IASB), Belgium)

... but also a true friend to many...



Memories of Will

*“some are born to be brighter, but shorter than others”. You (Will) were one of these
(Neil Harris)*



Chairpersons: Mohamadou Diallo, Gabriel Chiodo, Peer Johannes Nowack

15:10–15:15 | EGU22-1200 ★ | **ECS** | **Highlight** 🗣️ | On-site presentation

The tropical stratospheric upwelling sets the tropical equilibrium climate sensitivity by reducing the effective forcing ▶

Diego Jiménez de la Cuesta Otero and Hauke Schmidt

15:15–15:20 | EGU22-1805 ★

SAGE III/ISS aerosol/cloud categorization and its impact on GloSSAC ▶

Mahesh Kovilakam, Larry Thomason, and Travis Knepp

15:20–15:25 | EGU22-1928 ★ | On-site presentation

Hemispheric asymmetries in recent changes of the stratospheric circulation ▶

Felix Ploeger and Hella Garny

15:25–15:30 | EGU22-2102 ★ | **ECS** | **OSPP**

The joint dependence of longwave feedback on surface temperature and relative humidity ▶

Brett McKim, Nadir Jeevanjee, and Geoffrey Vallis

15:30–15:35 | EGU22-7232 ★ 🗣️ | On-site presentation

Influence of energetic particle precipitation on Antarctic stratospheric chlorine and ozone over the 20th century ▶

Ville Maliniemi, Pavle Arsenovic, Annika Seppälä, and Hilde Nesse Tyssøy

15:35–15:40 | EGU22-10706 ★ | **ECS**

Evidence for the long-term climate model predicted-stratospheric circulation changes in the ERA5 reanalysis over 1960-2020 ▶

Mohamadou Diallo, Roland Eichinger, Fernando Iglesias-Suarez, and Felix Ploeger

15:40–15:45 | EGU22-12267 ★ | **ECS** | **Highlight** | Virtual presentation

Exploring the importance of interactive ozone chemistry under different GHG and ODS levels ▶

Jessica Kult-Herdin, Timofei Sukhodolov, Gabriel Chiodo, and Harald Rieder

15:45–15:55 | EGU22-13471 ★ | solicited | **Highlight** | Virtual presentation

The role of the stratosphere in understanding future climate change ▶

Amanda C. Maycock