

Emissions from infrastructure

Measuring carbon emissions at the Canada–France–Hawaii Telescope
Flagey et al., 2020, Nat. Astron. 4, 816

The ecological impact of high-performance computing in astrophysics
Portegies Zwart et al., 2022, Nat. Astron. 4, 819

A path to net-zero carbon emissions at the W. M. Keck Observatory
McCann et al., 2022, Nat. Astron. 6, 1223

Estimate of the carbon footprint of astronomical research infrastructures
Knödlseeder et al., 2022, Nat. Astron. 6, 503

The energy consumption and carbon footprint of the LOFAR telescope
Kruithof et al., 2023, Exp. Astron., 56, 687

Life cycle assessment of the Athena X-ray integral field unit
Barret et al., 2024, Exp. Astron., 57, 19

Outreach

Astronomers for Planet Earth: Engaging with the Public to Forge a Sustainable Future
White et al., 2021, Bulletin of the AAS, 53(2)

Five steps for astronomers to communicate climate change effectively
Anderson & Maffey, 2021, Nat. Astron., 5, 861

The impact of climate change on astronomical observations

Cantalloube et al., 2020, Nat. Astron. 4, 826

Travel & Conferences

The carbon footprint of large astronomy meetings
Burtscher et al., 2020, Nat. Astron., 4, 823

Forging a path to a better normal for conferences & collaboration
Moss et al., 2021, Nat. Astron., 5, 213

A more sustainable future for astronomy
Wagner et al., 2023, Nat. Astron., 7, 244

The future of meetings in the particle astrophysics community
Tibaldo et al., 2023, Nat. Astron., 7, 1408

Astronomy's climate emissions: Global travel to scientific meetings in 2019
Gokus et al., 2024, PNAS Nexus, 3(5), pgae143

General astronomy profession

An astronomical institute's perspective on meeting the challenges of the climate crisis
Jahnke et al., 2020, Nat. Astron., 4, 812

The imperative to reduce carbon emissions in astronomy
Stevens et al., 2020, Nat. Astron., 4, 843

The carbon footprint of astronomy research in the Netherlands
van der Tak et al., 2021, Nat. Astron., 5, 1195

A comprehensive assessment of the carbon footprint of an astronomical institute
Martin et al., 2023, Nat. Astron., 6, 1219