



Contribution ID: 158

Type: **Invited**

## Exploring the connection between the Sun and the Heliosphere

*Friday 13 September 2024 11:35 (25 minutes)*

One of the main goals of heliospheric physics is to gain a complete picture of the dynamic processes occurring in the solar atmosphere and how these influence the inner heliosphere. Missions such as ESA/NASA's Solar Orbiter, which couples unprecedented, close-up views of the solar atmosphere to solar wind measurements in the inner heliosphere, provide invaluable insights into the sources, release and transport of the solar wind, coronal mass ejections, and solar energetic particles and their space weather impacts. In this review, I will highlight recent results from the latest missions on these topics and discuss what key questions still remain unanswered.

**Primary author:** YARDLEY, Stephanie (Northumbria University)

**Presenter:** YARDLEY, Stephanie (Northumbria University)

**Session Classification:** Space weather and the solar-heliospheric connections

**Track Classification:** Space weather and the solar-heliospheric connections