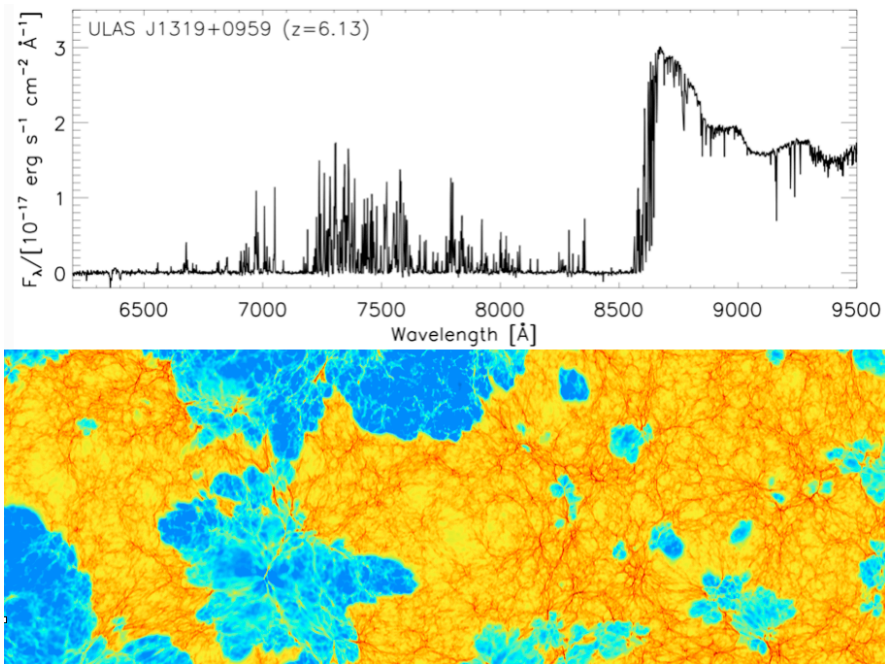


# Triennial Report 2021-2024

## IAU Commission J2

*Inter-Division B-H-J Commission Intergalactic Medium*



**President:** Celine Peroux

**Vice-President:** Benedetta Ciardi

**Secretary:** James Bolton

**At-large members:** Wei Cui, Simon Morris, Emma Ryan-Weber, Matteo Viel

**Past President:** Valentina D'Odorico

**Advisor:** Avery Meiksin

March 2024

## Scientific Background

Commission J2 seeks to bring together members of the scientific community who study the properties of intergalactic gas and their interactions with galaxies and Active Galactic Nuclei (AGN). The Commission encompasses four research themes: the structure of the Intergalactic Medium (IGM), the ultra-violet metagalactic background, the interaction between galaxies and the AGN with the Intergalactic Medium, and the Epoch of Reionization.

The purpose of the Commission is to provide a forum for exchanging information of use to its members specific to the IGM, to coordinate discussions and planning papers with other Commissions relating to the IGM, and to assist in coordinating meetings on the IGM.

## Commission J2 Activities

The new commission meets regularly since Fall 2021 and keeps a document recording minutes of each of these meetings. This year again, we have been advertising the division to astrophysics communities in most countries to increase the membership, including among younger generation researchers and with an eye to identify candidate for the vice-president and members at-large positions. The commission has maintained its IAU web page, including keeping the list of relevant meetings up-to-date. The commission is also monitoring ongoing and future ground and space-based facilities relevant to the its science field.

## Contribution to Division J

The commission J2 president has attended many of the monthly Division J meetings. As part of this, she has contributed to the selection of the IAU PhD prizes for 2023. In addition, she took part in selecting symposia for the 2024 IAU General Assembly, as well as identifying invited speakers and selecting the talks for the Division Day.