



# ESA JWST update

JWST Users Committee

March 18, 2024

Chris Evans

ESA JWST Proj. Scientist & Head of ESA Office @STScI



Credit: ESA/Webb, NASA, CSA, O. Nayak, M. Meixner



The ESA Office at STScI includes:

- ESA staff at STScI assigned to HST & JWST (& future ESA-NASA missions operated @STScI)
- ESA/AURA personnel and admins contracted for ESA through AURA
- ESA Research Fellows
  
- ESA Office Leadership:
  - Chris Evans (ESA HST & JWST Proj. Scientist)
  - Paule Sonnentrucker (ESA HST & JWST Mission Manager)
- Leads the JWST and HST outreach in Europe

Recruitment underway for two ESA/AURA positions (deadline was March 15)



# Science with the Hubble and James Webb Space Telescopes VII: Stars, Gas & Dust in the Universe

29 April–2 May, 2024



Next major European HST & JWST conference, Porto, Portugal

## Goals:

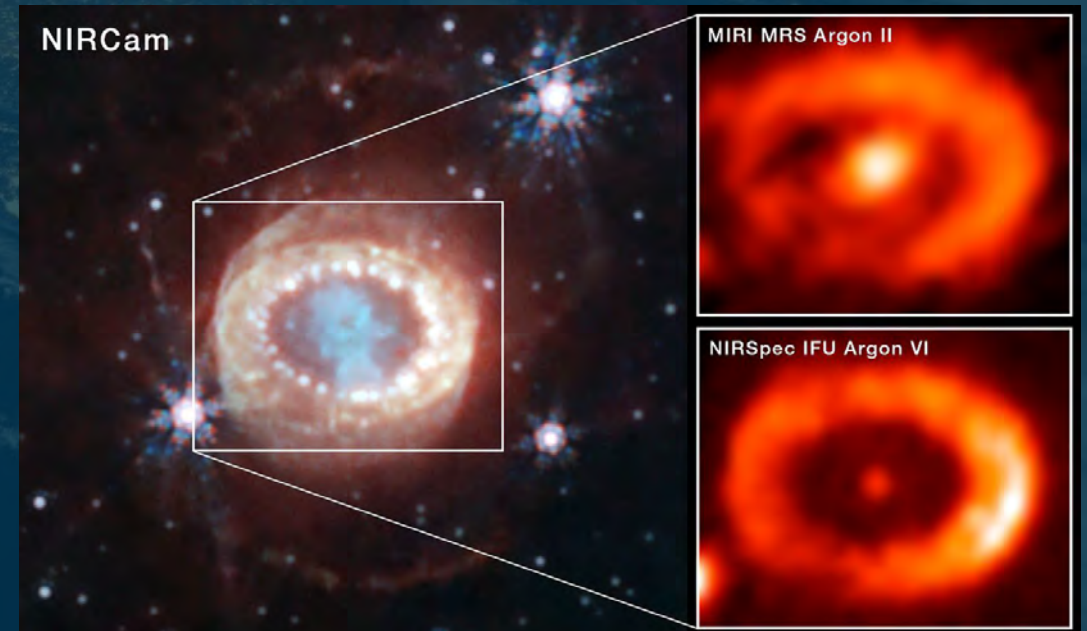
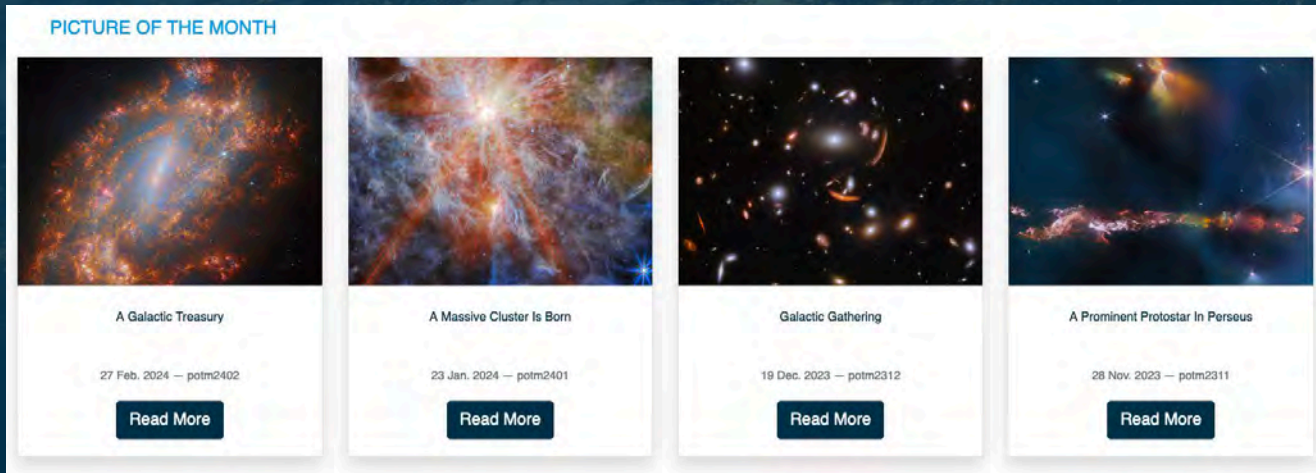
- highlight latest HST & JWST results
- focus on synergies between HST & JWST and with other facilities
- identify key topics for new programmes and initiatives that will harness the combined capabilities of HST & JWST
- look ahead to the scientific questions that will shape astrophysics in the 2030s and beyond

Exciting program with 22 invited talks, 36 contributed talks, and 20+ posters

Virtual registration still available: <https://na.eventscloud.com/hubblewebb7>

The ESA Office at STScI leads the HST and JWST outreach in Europe

- Activities and material planned in close coordination with STScI's OPO and NASA
- Range of social media to amplify releases and engage the public
- Working with ESA Comms to highlight connections to other ESA missions



Credit: NASA, ESA, CSA, STScI, C. Fransson (Stockholm), M. Matsuura (Cardiff), M. J. Barlow (UCL), P. Kavanagh (Maynooth), J. Larsson (KTH)

ESASky sessions can now be saved, including selected datasets

Observation ID	Target name	RA (J2000)	Dec (J2000)	Instrument	Observing Mode	Proposal Id	Calibration Level	Start Time	Duration (s)
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<https://sky.esa.int>

Very successful JWST Data Masterclass held at ESA's European Space Astronomy Centre (ESAC) in December 2023:

Main topics:

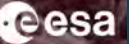
- Pipeline & archives
- Imaging data
- Slit & IFU spectroscopy
- Time-series observations

40 participants from institutes in 14 ESA Member States



- ESA DL series: featuring leading European astronomers to showcase science from ESA missions and to foster collaboration
- Each lecture accompanied by visit to STScI
- 2024 Distinguished Lecture:
  - Dr. Orlagh Creevey (Observatoire de la Côte d'Azur)
  - Leading role in classification & characterization of Gaia sources (1.6 bn from Gaia DR3)
  - Week starting June 17



space science faculty 

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### ESA DISTINGUISHED LECTURES AT STScI


In 2021, the ESA Office at STScI announce the creation of a new lecture series: **ESA Distinguished Lectures**.

The series, to be held at STScI in Baltimore USA, aims at showcasing science from ESA missions, recognizing leading European astronomers, and fostering collaborations in the broader international community.

Typically, each lecture will be accompanied by a two day visit to STScI, in which the Distinguished Lecturer will have the opportunity to meet with staff, students and postdocs. The lecture itself will be broadcast online for the widest possible visibility.

#### 2023 ESA DISTINGUISHED LECTURE - DR AURORA SIMIONESCU

11am EDT (17h CEST) on Thursday June 15, 2023



The ESA Office at STScI  
Presents the 2023 ESA Distinguished Lecture

## Why Doesn't the Universe Have More Stars?

Dr. Aurora Simionescu  
(Netherlands Institute for Space Research)

Dr Aurora Simionescu is an astrophysicist at the Netherlands Institute for Space Research (SRON) through the Women in Science Excel (WISE) Fellowship program of the Netherlands Organisation for Scientific Research (NWO). She is also a visiting scientist at Leiden University, and an affiliate member of the Kavli Institute for the Physics and Mathematics of the Universe at the University of Tokyo, Japan. Prior to her current appointments, she spent five years at the Institute of Space and Astronautical Sciences of the Japan Aerospace Exploration Agency (JAXA), and four years as an Einstein Postdoctoral Research Fellow at the Kavli Institute for Particle Astrophysics and Cosmology (KIPAC) at Stanford University. She completed her PhD research at the Max Planck Institute for Extraterrestrial Physics in Garching, Germany. Her main research interests are related to the physics of the hot plasma in clusters of galaxies, the large virialized objects in the universe.

<https://www.cosmos.esa.int/web/space-science-faculty/esa-lectures-at-stsci> 7



Thanks!

