



ESA JWST update

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JSTUC

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For the European Space Agency JWST is high priority





ESA instrument news - NIRSpec



NIRSpec Commissioning Readiness Review



- An internal ESA NIRSpec commissioning readiness review was held on June 1-3.
- Presentations on the status of preparation of the NIRSpec commissioning team were given to a panel of ESA reviewers with NASA and STScI observers.
- Emphasis on resources and mitigation strategies to address COVID-19 restrictions.

Very positive outcome - the review was considered successful.





Media Engagement



ESA Media Briefing on June 1st



- **Günther Hasinger**, ESA Director of Science
Webb: a NASA/ESA/CSA partnership, European contributions, Webb's role in ESA's science programme.
- **Thomas Zurbuchen**, Associate Administrator, Science Mission Directorate, NASA
Overview of spacecraft and mission, NASA's perspective.
- **Gilles Leclerc**, CSA Director General, Space Exploration
Canada's role in Webb - contributions and science
- **Antonella Nota**, ESA Webb Project Scientist
Webb's science goals, Europe-contributed instruments
- **Daniel de Chambure**, ESA STS,
Launch, launch vehicle, launch preparations

More than 100 media representatives in attendance

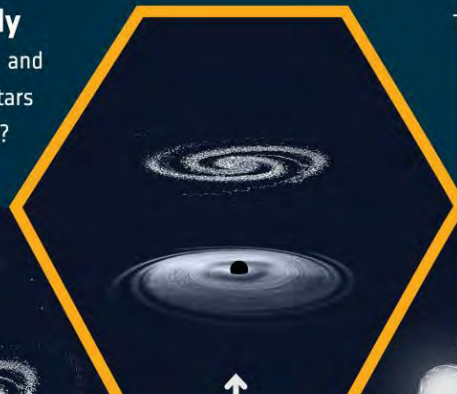


Webb Science Themes



Webb is designed to answer outstanding questions about the Universe and to make breakthrough discoveries in all fields of astronomy.

What did the **early Universe** look like and when did the first stars and galaxies form?



Understanding how **galaxies and black holes** form and evolve

The lifecycle of **stars**: from their birth to their death

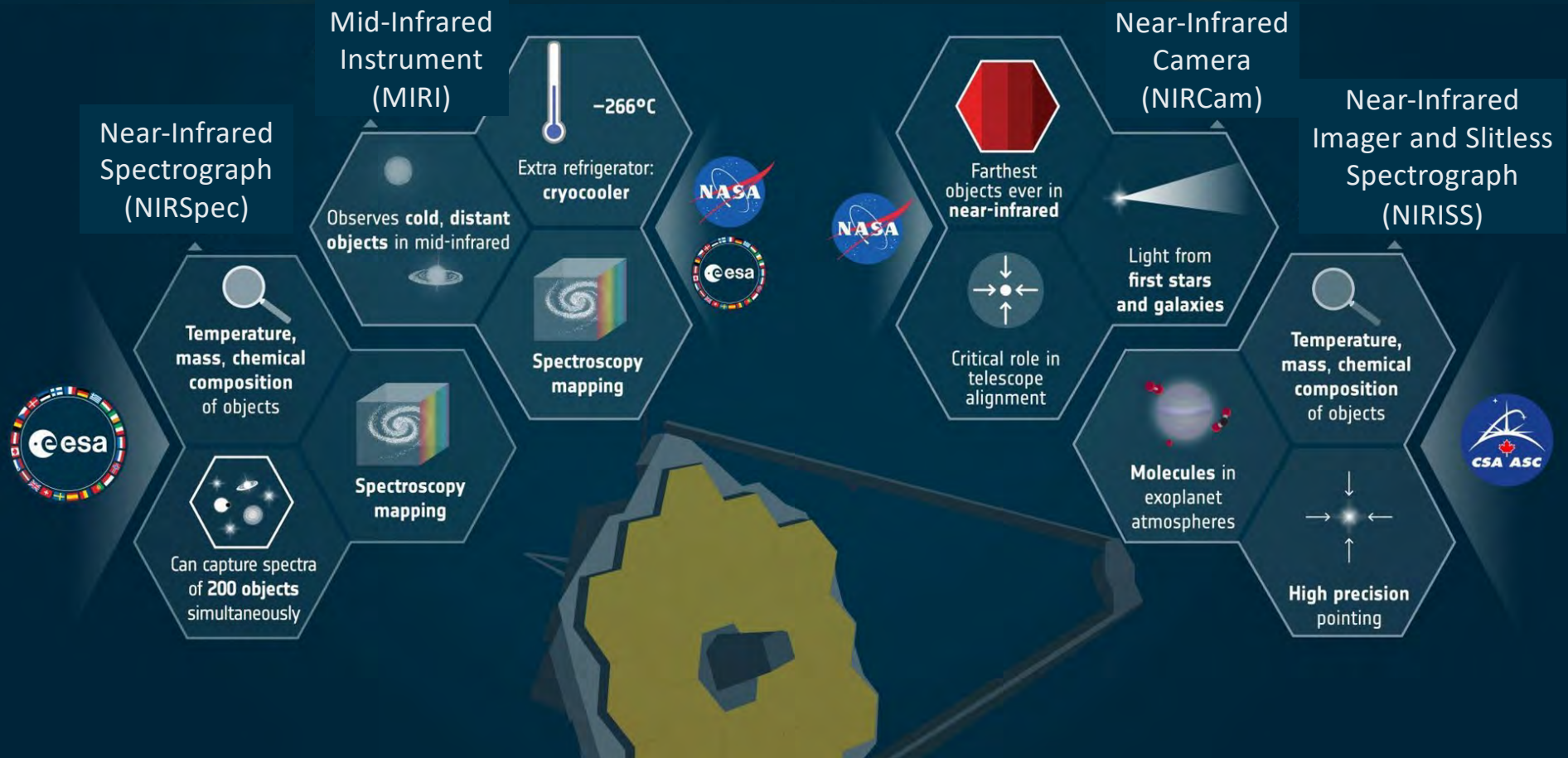


Investigating how **planetary systems** (including our Solar System) form and evolve

Studying **exoplanets, their atmospheres,** and the building blocks of life that they might contain



Webb's science instruments



The ESA Webb Brochure



The ESA brochure is being translated in
German
Spanish
Italian
French

and will be made available
in printed version and on-line





Community Engagement



Special Session #13 at EAS2021



JWST, a great observatory nearing liftoff

Venue: Leiden, The Netherlands (virtual).

June 28, 2021.

Science Organizing Committee:

Antonella Nota (ESA, STScI), Pierre Ferruit (ESA), Roberto Maiolino (Cambridge Univ.), Susan Mullally (STScI), Neill Reid (STScI), Marco Sirianni (ESA, STScI), Gillian Wright (UK-ATC).

TUNE IN AT:

<https://eas.unige.ch/EAS2021/session.jsp?id=SS13>

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Science with the Hubble and James Webb Space Telescopes

Entering a golden age for UV – Optical - IR space

Moved to 2022!





Launch Engagement



ESA launch related events



- One ESA event, in Korou.
- One ESA major event, at ESTEC.
- Parallel (virtual) events across Europe in collaboration with European partners.



JWST – latest on launch

- Webb launch date depends on Kourou spaceport activities and launch manifest schedule which is under consolidation by Arianespace, the Launch Service Provider.

Webb launch will not take place before 31 October 2021

- As common practice, Arianespace only communicates on the next upcoming scheduled launch.
- Arianespace currently plans two Ariane 5 missions before the Webb launch.
- For NASA and ESA, it is important to have both flights successfully flown before the Webb mission.
- Next Ariane 5 launch is foreseen at end July 2021.
- No important constraints on launch window: Webb can be launched almost everyday during the year.

From Daniel de Chambure, ESA STS₁₅



Exciting times, STAY TUNED!

THANK YOU!

