



Preparation for JWST Science Operations in Europe

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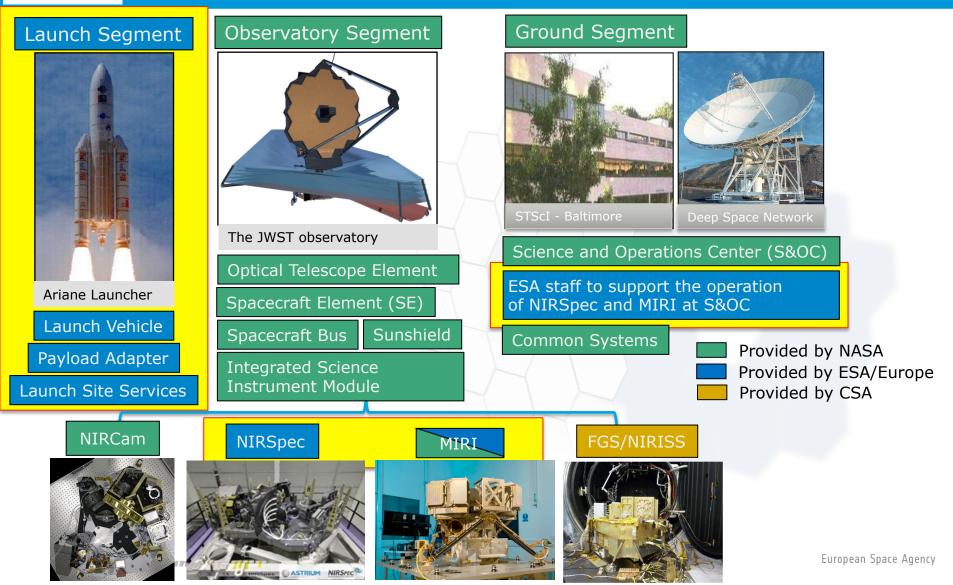
1. European contributions to JWST operations

- 2. ESA SOT team
- 3. Archive proposal
- 4. Readiness Roadmap



Support of Operations is one of ESA's contribution to JWST







ESA support to operations





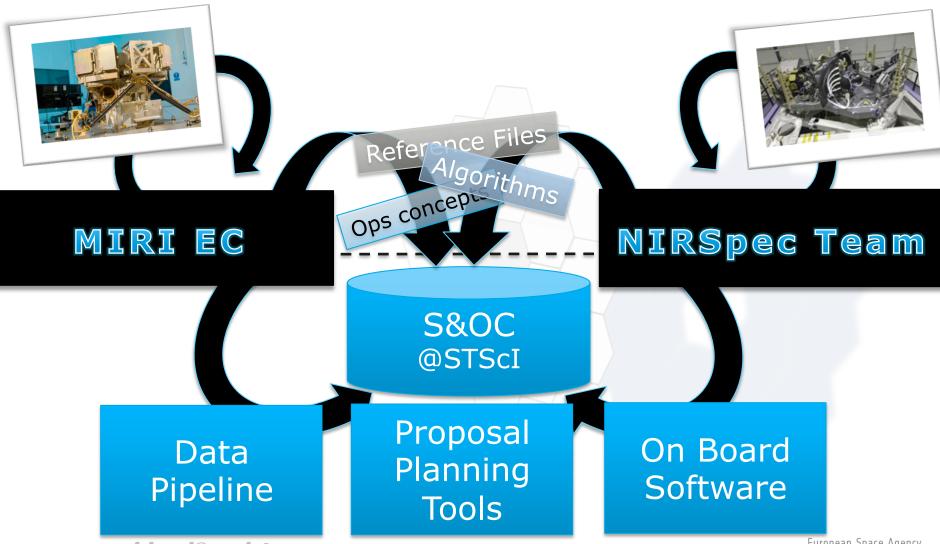
ESA and NASA signed Memorandum of Understanding in 2007

Details defined in lower level documents



European Preparation to Operations after SI delivery





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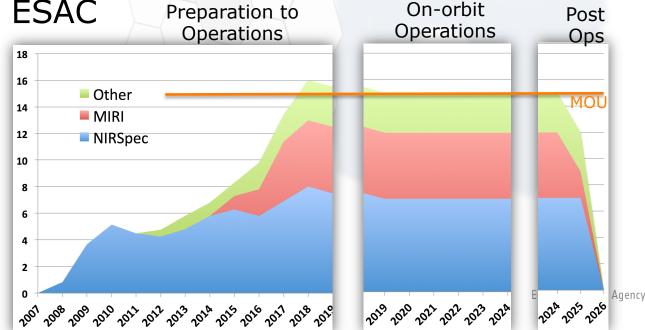
European Space Agency



ESA is building up the ESA JWST SOT:



- Started in 2008 for NIRSpec support
- Nine position already filled, 6 already at STScI
- Ramping up to 15 ESA staff by Mid 2017
- Bringing direct expertise on NIRSpec and MIRI
- Strong link to ESAC

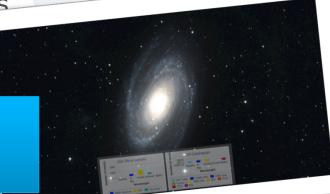






- The primary archive of JWST will be at the JWST S&OC at STScI
- CADC, ESA and STScI have been collaborating on the HST archive for the past 25 years.
- CADC and ESAC are working on a proposal to each agency for funding a JWST mirror archive at CADC and ESAC
 - Integration with Multi Mission Archive structures
 - Interface with local community
 - Contributed high level data products
 - Faster data access
 - Redundancy for STScI achive

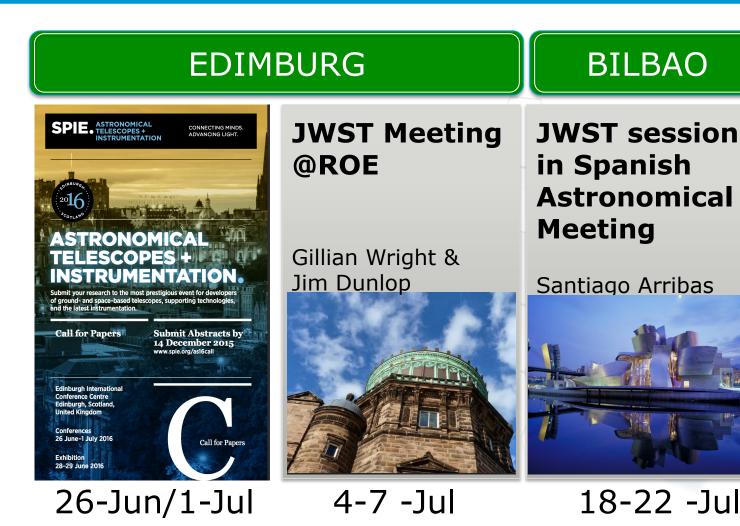
SEE ESA SKY DEMO





Hot July 2016 for JWST fans









- STScI has already started <u>series</u> of annual workshops and hands-on demo sessions:
 - 1. Winter @ AAS meetings: "getting science out of JWST workshop"
 - 2. Spring @ JWST Data Analysis Python Tools development (WEBEX)
 - 3. launching a colloquium initiative to visit and directly engage with the US astronomical community in the next two years
- In Europe
 - a. Beside the current conference, the community is becoming very active:
 - Several request to present JWST capabilities at conferences
 - Organization of series of science conference in 2016 and 2017
- ESA is kicking of a series of JWST workshops at ESAC



JWST Workshops at ESAC



1	26-28 Sep 2016	JWST capabilities
2	Summer 2017 (pre CP)	Hands on on Proposal tools $*$ -
3	Spring 2018	Hand on on Data Analysis Tools
4	Late 2019	Science Data Workshop
5	Late 2020	Science Data Workshop
6	Late 2022	Science Data Workshop
7	Late 2023	Science Data Workshop

*a similar workshop is Planned by STScI – we will look in doing it simultaneously in both sites

All workshops can be attended on site and on line

All talks will be recorded and all presentations and material will be made available in a dedicate web site



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JWST- ESAC #1





Focus on

JWST Capabilities (after ISIM Testing)

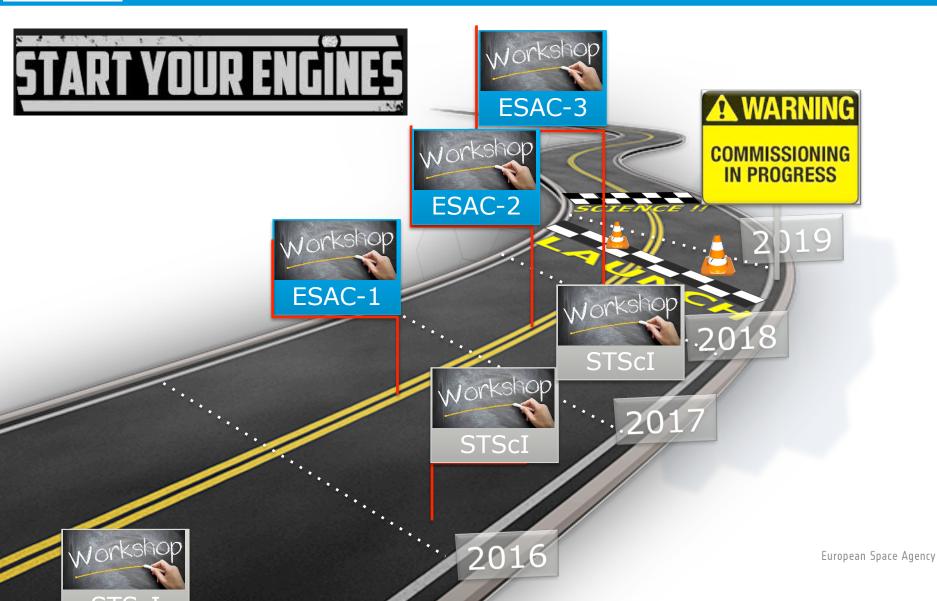
- Observing modes
- Expected performance
- Overlaps, trade-off, efficiency
- Operational constrains
- preview on tools for proposal preparation

Conference room fixed this morning – Announcements will start within a couple of weeks QUESTIONS: **JWST@cosmos.esa.int**



Readiness Roadmap (workshops only)









For organizing additional meetings, focused workshops, talks:



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