



Towards Early Science

Lars-Ake Nyman



TES Subproject



TES Subproject: Purpose

What is needed to start Early Science Operations?:

- Deliveries from the construction project (in particular from CIPT and CSV)
- Deliveries from Science Operations (JAO and the ARCs) must be in place
- The staff must be trained to perform science operations
- Support and readiness of the user community.

The TES subproject will bring all this together to ensure the readiness for Early Science.



Members

Members:

- Subproject Manager: Lars-Ake Nyman
- Deputy Subproject Manager: Baltasar Vila Vilaro,
- Lewis Ball, John Hibbard, Sachiko Okumura, Paola Andreani, Richard Hills, Alison Peck, Dick Kurz, Jorge Ibsen, Brian Glendenning, Erich Schmid

Other participants:

- Mark Rawlings, Gautier Mathys, Gianni Raffi, Dean Chalmers, Javier Marti, Cesar Ocampo, Rieks Jager, Nick Whyborn



Documentation

- The integrated schedule (deliveries, requirements, activities)
- High-level checklist with quantified progress (e.g. %)
- Calendar of events and milestones
- Top ten issues list
- The risk register
- Test reports (and acceptance reports)
- Status reports
- Science Operations policies and procedures
- Cycle 0 Proposal Review Process
- Requirements spreadsheets



End-to-end tests at the OSF

- Tests of science operations procedures at the OSF.
- Blocks of about 3-4h
- Preparation of SBs, scheduling and execution of observations, quality assurance, data processing, observatory calibrations, documentation (calibration plan, procedures), data delivery.
- Incremental functionality will be tested.
- Tests of Life Cycle of projects, quality assurance
- Tests will take place once per month, starting using the OSF interferometer.



Meetings and reporting

- Monthly meetings (Feb 3 kick-off, next meeting March 11)
- Reports sent before the meeting
- Checklist, calendar, integrated schedule and other documents are updated and discussed.



Timeline



Timeline

- March 4: ES capabilities meeting
- March 15: CfP meeting
- March 18: opening of user portal and helpdesk (unofficial opening, no announcement)
- March 15-25: Test of Cycle 0 OT
- March 31: CfP announcement
- May 15-31:
 - OT proposal preparation and submission using the final archive system
 - Ph1M tests of Cycle 0 version
- June 1: official opening of the Archive
- June 30: Proposal submission deadline
- September 30: Start of Cycle 0



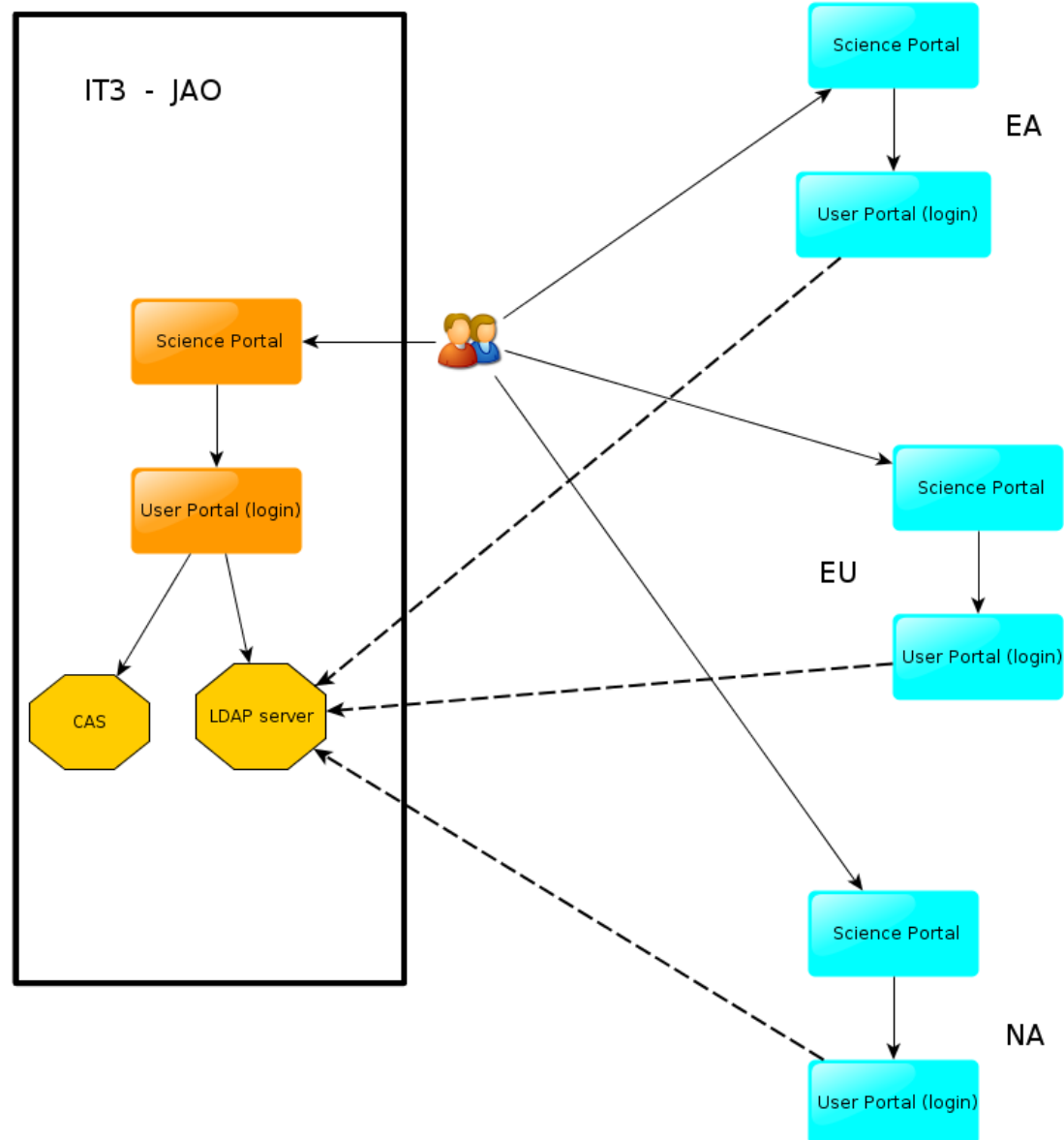
Science Portal/User Portal



Science Portal/User Portal Setup

UP on March 31:

- Distributed UP
- User registration
- Institution list
- Password modification
- Single Sign-On
- Helpdesk
- Role sensitive applications (Project Tracker, Ph1M)
- Multiple affiliations will be implemented in Cycle 1



Welcome to the ALMA Science Portal at JAO — ALMA Science Portal

http://almascience.org/

google map

JAO-Home NRAO-ALMA NAOJ-ALMA ALMA - Taiwan ESO-ALMA ESO-Contacts ALMA Weather APEX Weather Forecasts Chajnantor NRAO ALMA wiki ALMASW_wiki

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In search of our Cosmic Origins

ALMA

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Documents & Tools

Login

- Log in
- Register
- Reset password

User Services at ARCs

- Helpdesk
- ALMA@ESO
- ALMA@NRAO
- ALMA@NAOJ

Welcome to the ALMA Science Portal at JAO



Overview

The **Atacama Large Millimeter/submillimeter Array (ALMA)** is a major new facility for world astronomy. ALMA will consist of a giant array of 12-m antennas, with baselines up to 16 km and state-of-the-art receivers that cover all the atmospheric windows up to 1 THz. An additional, compact array of 7-m and 12-m antennas will greatly enhance ALMA's ability to image extended sources. Construction of ALMA started in 2003 and will be completed in 2013. Science observations will start already in 2011 with a small but growing number of antennas. The ALMA project is an international collaboration between Europe, East Asia and North America in cooperation with the Republic of Chile.

The **ALMA Science Portal** provides information for astronomers seeking to learn more about the ALMA Observatory and provides the tools needed to plan and submit ALMA proposals. Further information about ALMA and available User Support can be found in the **ALMA Regional Centers (ARC)**. Links to specific ARC web pages can be found in the bottom banner.

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First general news item
Feb 23, 2011

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Local News

First local news item
Feb 23, 2011

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ALMA, a worldwide collaboration



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Documents associated with the CfP

- Announcement (CfP)
- ALMA Cycle 0 Proposers Guide (editor G. Mathys)
- ALMA Cycle 0 Handbook (editor B. Vila Vilaro)
- ALMA ES Primer (Canada/NA)
- OT Quickstart Guide and video instructions (EA + EU)
- CASA documentation (NA)
- Splatalogue User Manual (NA)
- Guide to the East Asian ARC
- Guide to the European ARC
- Guide to the North American ARC



Science Portal timelines

- March 3-4: Test of Science Portal at JAO
- March 10-11 (or earlier): Test of the distributed Portal
- March 18: Opening of the Science Portal (not announced):
 - User registration
 - Helpdesk
 - Basic content
- March 28: Content (and documents) needed for the CfP ready
- March 31: Official opening



Policies and Implementations



Working groups

Policy workshop Nov 4-5. Formation of groups producing:

- PRP Implementation Plan
- User Portal, Archive and Data Policies and implementations
- Phase 2 Implementation (procedures)
- Science Portal and documentation (layout, content, template for user documentation)
- Helpdesk procedures
- Technical Assessments (checklist, guidelines)
- Document deadline: March 10



www.almaobservatory.org

The Atacama Large Millimeter/submillimeter Array (ALMA), an international astronomy facility, is a partnership of Europe, North America and East Asia in cooperation with the Republic of Chile. ALMA is funded in Europe by the European Organization for Astronomical Research in the Southern Hemisphere (ESO), in North America by the U.S. National Science Foundation (NSF) in cooperation with the National Research Council of Canada (NRC) and the National Science Council of Taiwan (NSC) and in East Asia by the National Institutes of Natural Sciences (NINS) of Japan in cooperation with the Academia Sinica (AS) in Taiwan. ALMA construction and operations are led on behalf of Europe by ESO, on behalf of North America by the National Radio Astronomy Observatory (NRAO), which is managed by Associated Universities, Inc. (AUI) and on behalf of East Asia by the National Astronomical Observatory of Japan (NAOJ). The Joint ALMA Observatory (JAO) provides the unified leadership and management of the construction, commissioning and operation of ALMA.