

# ACS Community Update

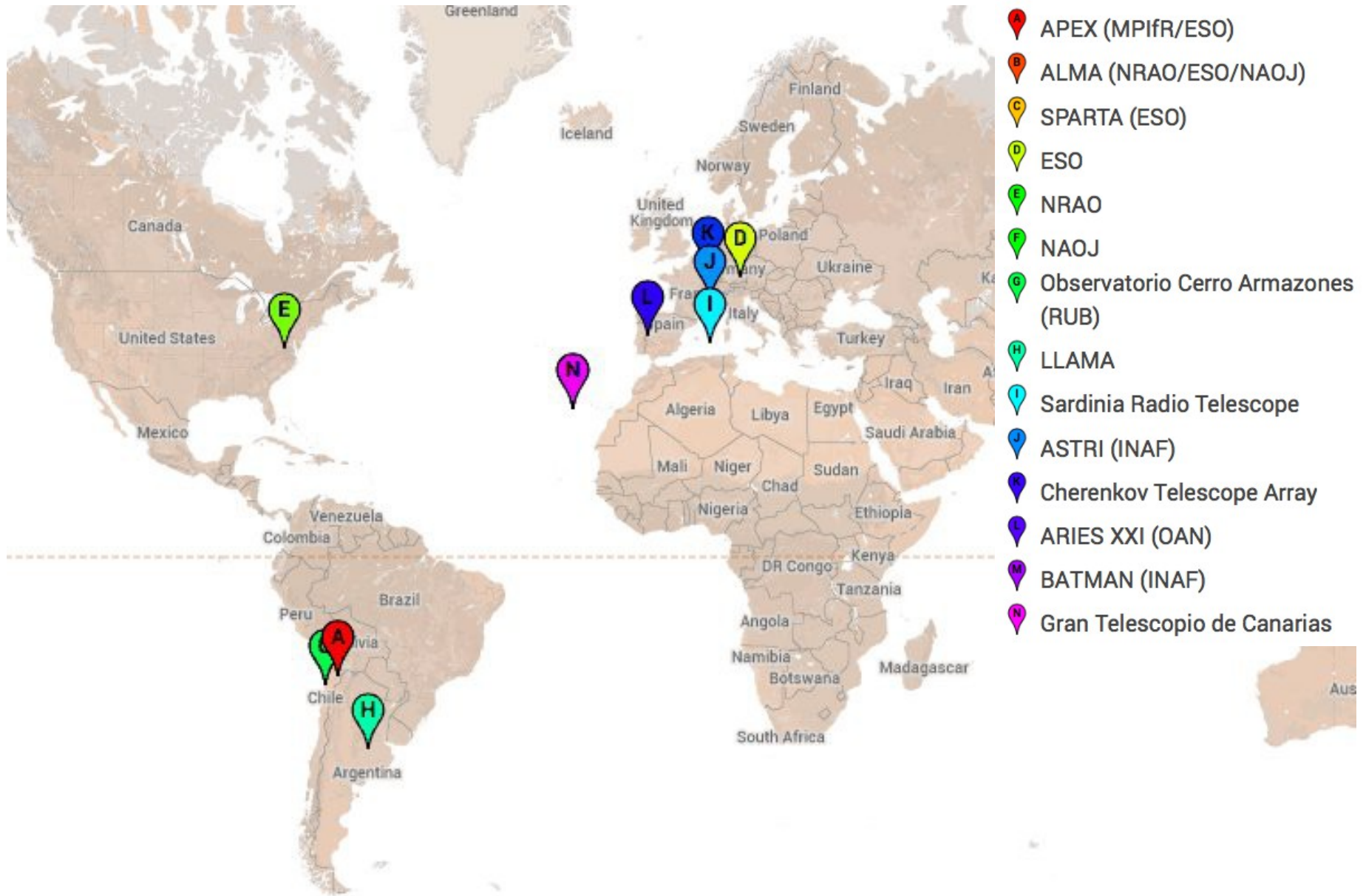
*11<sup>th</sup> ACS Workshop – November 5<sup>th</sup>, 2014*

*Prepared by Matias Mora, et al.  
(not as an NRAO employee)*

# ACS Community

Who's who in the community?

# ACS Community



# ACS Community Timeline

- **Nov. 2001:** “Common Software for the ALMA Project” paper at ICALEPCS
  - ACS is initially adapted by ESO from a Cosylab project, and released under LGPL license
- **Mar. 2004:** 1<sup>st</sup> ACS Workshop (ESO, Garching)
  - Other projects deciding to use the framework
- **Mar. 2007:** Group at UTFSM receives funding for ACS collaboration project
  - 2007-2009: 4<sup>th</sup>, 5<sup>th</sup>, 6<sup>th</sup> ACS Workshop and community meetings
  - Community-oriented features development
- **Jul. 2012:** 8<sup>th</sup> ACS Workshop (ASTRI, Asiago)
  - CTA had decided to use ACS as its control framework

# ACS Community Timeline

- **Sep. 2012:** Independent ACS Community proposal document published by UTFSM
  - Announced, but only partially implemented
- **Jul. 2014:** ACS Community discussion (SPIE, Montreal)
  - Action items defined to formalize community
- **Sep. 2014:** ACS Community github announcement
  - Initial repository creation and first direct community-based contributions
- **Sep. 2014:** 10<sup>th</sup> ACS Workshop (LLAMA, Sao Paulo)
  - LLAMA had decided to use ACS as its control framework
  - Using CentOS5 + ACS-Workshop github
- **Nov. 2014 (TODAY):** ACS Community Meeting

# SPIE Meeting Summary

- Montreal, Canada – June 26<sup>th</sup>, 2014
- Attendees
  - Christian Westhues (Ruhr-Uni. Bochum)
  - Jonathan Antognini (UTFSM University)
  - Paolo Di Marcantonio (INAF/OATS)
  - Matthias Fuessling (DESY/CTA)
  - Joe Schwarz (INAF/CTA)
  - Jorge Ibsen (ESO/ALMA/LLAMA)
  - Erich Schmid (ESO/ALMA)
  - Gianluca Chiozzi (ESO)
  - Matias Mora (NRAO) – *Meeting Moderator*

# SPIE Meeting Summary

- Update of user directory
- Review of the 2012 community proposal
- Identification of community **requirements**
- Identification of community **resources**
- Definition of **action items**

# SPIE Meeting Action Items

- ALMA to give public access to ACS sources
  - Public SVN server at ESO is now available
- New github project creation
  - LGPL released modules since ACS-10.2 are available
  - ExtProds largely replaced by third-party packages download script
  - Git developer guidelines are available on the github wiki
- Community guidelines definition
  - Available on the github wiki, needs further input
- Technical roadmap definition
  - Available on documents github
- Github project announcement
  - Announced on the acs-discuss mailing list on Sept. 7<sup>th</sup>



# Community Organization

- “The group of ACS users and voluntary Community Branch contributors”
- **ACS Community Board (ACB)**
  - Define policies and procedures
  - Define and implement overall roadmap
  - Initial 2-year members TBD
- **Community Control Board (CCB)**
  - Receive, review and approve new patches
  - Currently led by Jorge Avarias, with support from Joe Schwarz

# Community Organization

- Procedures
  - Communication channels
  - Issue reporting
  - Submission requirements
  - Patch review (CCB)
  - Patch integration
  - Synchronization from ALMA repo

# Community Resources

- **Github**

- `https://github.com/ACS-Community/ACS`
- **Git repo:** All LGPL released ACS modules since ACS-10.2
- **Wiki:** Documentation and procedures
- **Issue tracker:** technical discussions, feature requests, bug reports

- **Announcement group**

- `acs-community-announce@googlegroups.com`
- `https://groups.google.com/forum/#!forum/acs-community-announce`

# Community Resources

- **Jenkins build/test server**
  - `http://lc-ip92.inf.utfsm.cl`
- **ACS Course material**
  - `https://github.com/ACS-Community/ACS-Workshop`
- **Document repository**
  - `https://github.com/ACS-Community/documents`
- *Still in progress...*
  - *[acs-community.org](http://acs-community.org)*
  - *Binary repository(ies)*

# Community Resources



ACS-Community 

Filters ▾

🔍 Find a repository...

+ New repository

## documents

Updated 8 hours ago

TeX ★ 0 📄 0

## ACS-Workshop

ACS Workshop

Updated on Sep 26

★ 3 📄 2

## ACS

This repository hosts the latest official release of the ALMA Common Software

Updated on Sep 25

Java ★ 3 📄 9

## ACS-Community.github.io

Updated on Sep 4

CSS ★ 0 📄 0

## People

8 >



Invite someone

## Teams

4 >

🔍 Jump to a team

### Owners

6 members · 4 repositories

### ACB


0 members · 1 repository


### CCB


2 members · 1 repository


Create new team


# Community Resources


 **Jenkins**

search  [log in](#)


Jenkins  [ENABLE AUTO REFRESH](#)

 [People](#)

 [Build History](#)

**Build Queue** 

No builds in the queue.

**Build Executor Status** 

1 Idle





## Current ACS master build status

The products are built using **CentOS 6 x86\_64**




Jenkins products may be found in


[userContent](#)

All

S	W	Name ↓	Last Success	Last Failure	Last Duration
		<a href="#">ACS</a>	1 mo 10 days - <a href="#">#26</a>	2 mo 7 days - <a href="#">#20</a>	54 min
		<a href="#">ACS-tests</a>	1 mo 10 days - <a href="#">#4</a>	N/A	5 hr 12 min

Icon: [S](#) [M](#) [L](#)

[Legend](#)  [RSS for all](#)  [RSS for failures](#)  [RSS for just latest builds](#)

 [Help us localize this page](#)

Page generated: Nov 5, 2014 11:02:50 AM [REST API](#) [Jenkins ver. 1.588](#)

# Community github: Stats

- **677** views during the last month
- **8** project members with roles
  - Owners, ACB, CCB, Developers
- **13** issues created
- **4** pull requests completed, by **3** different contributors
- **9** forks by different users
  - **3** active forks: Ubuntu, Debian and Fedora porting

# Community github: Active Forks



ACS-Community / ACS

Unwatch 13

Star 3

Fork 9

Contributors

Traffic

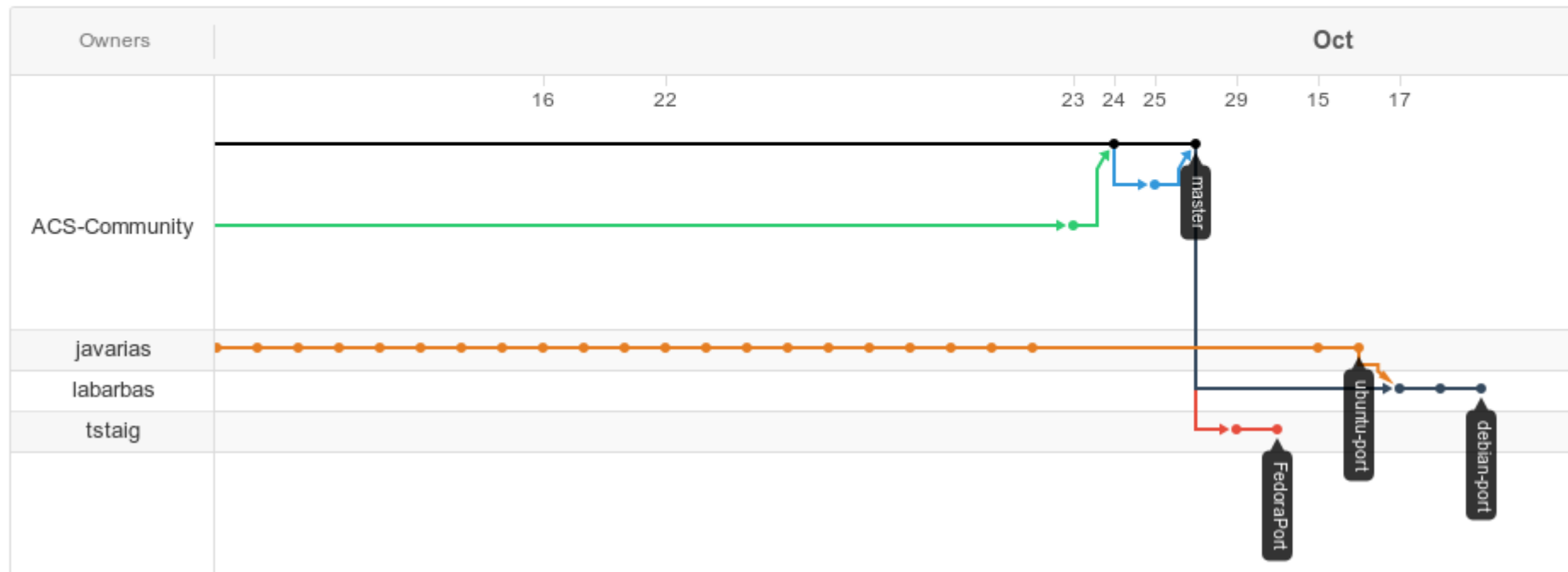
Commits

Code frequency

Punch card

Network

Members





# Community Roadmap

**Document draft released today!**

# Community Roadmap

- ACS Community resources/services
- Documentation
- Platform OS support
- ACS packaging
- Embedded systems support
- Development tools
- ACS services

# Community Roadmap

- Milestone 1: Re-organize ACS
  - Focus development on CentOS 6
  - Remove external products from the build
  - Configuration of an “official” build server
  - Basic documentation for new developers and users
- Milestone 2: ACS on new platforms
  - Support other Linux distributions
  - Move to CentOS 7
  - Embedded systems
  - Community use-case tutorials

# ACS Community

All of this has been thanks to a number of **voluntary** contributors

# ACS Community

Help is wanted!

# ACS Community

**Where to go from here?**

# ACS Community

