CASA Users Committee (CUC) Report

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NOTE: This is not an official announcement of CUC. Some are biased toward my personal thought.

Introduction

- CUC is established in 2014
- CUS is requested to comment on
  - capabilities, usability, reliability, and performance
  - priorities of these areas
  - CASA project follow-up to their previous report
- CUS submits a written report to the CASA manager after the f2f meeting once per year
  - Report and response from CASA manager are posted publicly on the CASA website

Introduction

- CUC members
  - R. Akeson (NA)   → Y. J. Kuan (NA/TW)*
  - J. Carpenter (NA)   → X. Fernandez (NA)
  - T. Cavalie (EU, chair 2015)   → rotating off
  - R. Friesen (NA)
  - L. Guzman (CL)   → vacant
  - T. Hirota (EA)   → rotating off
  - D. Jacobs (NA, chair 2016)
  - A. Karim (EU, chair 2017)
  - K. Sakamoto (EA)   → rotating off
  - D. Wilner (NA, chair 2014)

*ASIAA CASA Development Center (ACDC) since 2016

Follow-up of 2015 recommendation

- Good
  - Documentation initiative
  - Newsletter
  - Imaging pipeline
  - Crash reporter
  - CARTA
- Medium
  - Surveys
- Not yet
  - Jira tickets
  - Time estimator
  - User liaison

https://casa.nrao.edu/news.shtml

F2F meeting 2016

- September 26-27 2016 at Socorro
- Discussion items
  - CASA Status
  - ALMA Development Program
  - Robustness/Crash Reporter
  - Topological Data Analysis --- new imaging mode
  - AWS*/XSEDE** --- CASA on cloud computing
  - CASA Documentation and Communication
  - Pipeline Update/ALMA Review output
  - CASA Survey
  - Parallelization and HPC
  - CASA Environment (VLA, ALMA, etc)
  - Imaging Algorithm Status

*Amazon Web Service

**Extreme Science and Engineering Discovery; NSF Funded consortium of Supercomputing facilities

CUC Report 2016

- Recommendations (see CUC website for full report)
  - User outreach; newsletter, promotion, community liaison
  - Documentation; plone docs html-tree documentation
  - Reliability; clash reporter, survey of OS, correcting log
  - User servicing; detailed information on tickets
  - Computing; parallelization, cloud computing
  - CARTA (plotting tool); documentation, advertisement
  - Calibration pipeline; reducing human efforts
  - Imaging pipeline; documentation, imaging heuristics
  - Imaging development; documentation, new modes
  - ACDC/new committee; collaboration/communication

User survey

- Long-term monitoring of user needs/satisfaction
  - Announced in website, newsletters, conferences, UM, WS, etc.
- Draft survey
  1. Data source?
  2. OS?
  3. CASA version?
  4. Regional interest?
  5. Development priorities? (Reliability/robustness, Performances/speed, New/improved features, documentation)
  6. Functionarity enhancement? (Image plane analysis, Visibility analysis, Calibration pipeline, Imaging pipeline, Visualization, Calibration, Flagging, Imaging, Single dish
  7. Satisfaction with the CASA Helpdesk?

Summary

- Please visit CUC website
  - https://safe.nrao.edu/wiki/bin/view/Software/CASA/CASAUsersCommittee
  - https://astro.uni-bonn.de/~karim/pmwiki/pmwiki.php?n=Main.CASA
    by A. Karim in University of Bonn
- Please read CASA Newsletter
  - https://casa.nrao.edu/news.shtml
- Please send your feedback to Helpdesk (ticket) and user survey
- Next members from EA?