

Czech ARC Node

Bartosz Dąbrowski

ALMA Regional Centre, Czech Republic

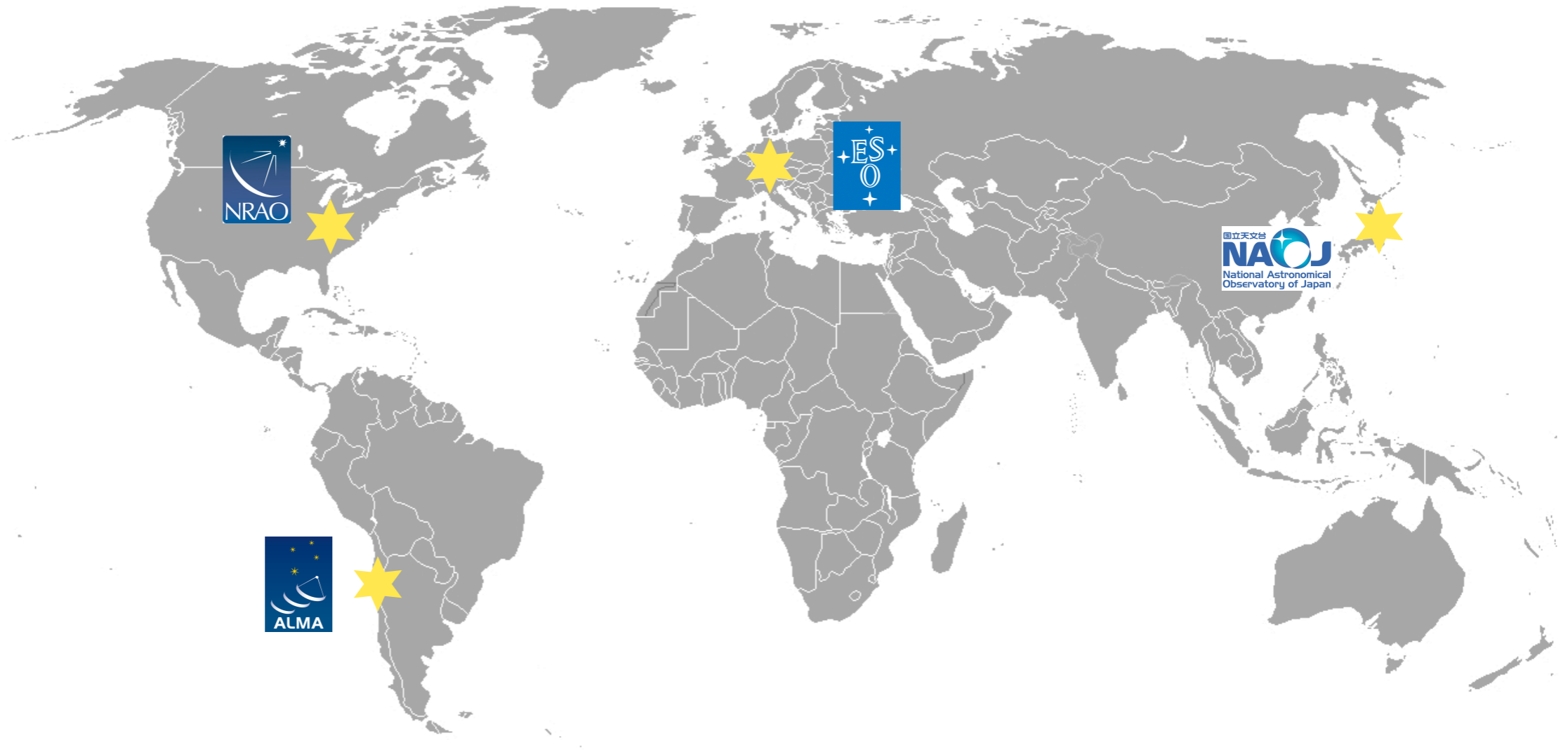


Toruń, 22 – 23 October 2013



EUROPEAN ARC
ALMA Regional Centre || Czech

The interface between ALMA and the astronomy community is provided by the three ALMA Regional Centres (ARCs), in Europe, North America and East Asia.



ALMA Regional Centres

The European
ARC has the
responsibility of
providing
scientific user
support to the
European
astronomical
community.



Tasks of the ARC nodes

- * Face-to-face user support with proposal preparation;
- * face-to-face help with data reduction, including also expert support in data processing for specialized observing techniques;
- * help in archival research, including assistance to users of the ALMA archive in identifying and using the data products suitable for their scientific projects;
- * community development and outreach.

Each node has its own area(s) of expertise:

- * Array combination: **IRAM, UK**
- * Spectral line surveys/identification: **German, Allegro**
- * High dynamic range imaging & simulations: **UK, Nordic**
- * High frequency observing & application of WVRs: **Allegro**
- * Variable and moving sources: **Nordic, Bologna**
- * Solar observations: **Czech**

The Czech ARC node should provide regional support to applicants from countries of the Central and Eastern European region.

It will provide especially the following services:

- * scientific and technical support to ALMA users, especially:
 - * Solar, galactic, extra-galactic and relativistic astrophysics;
 - * laboratory measurements of molecular spectral lines;
- * observation planning, data quality check;
- * data storage and processing, data reduction using CASA.

Our node (present status)

- * We have office for up to 3 ALMA visitors.
- * We arranged cheap accommodation for visitors in guest rooms of Astronomical Institute at Ondrejov.

Hardware

- * Three PC, Linux, Intel, memory 8GB, disks 1 TB, 24" screen.

Czech
ARC Node



Czech ALMA Node

Our Node is new – starting in January 2010 (10 people)

- * **Miroslav Barta:** head, CASA, AOT, integrated tests, Imaging Group – EACIG, solar research
- * **Marian Karlicky:** solar research
- * **Bartosz Dabrowski:** CASA, AOT, integrated tests, Imaging Group – EACIG, solar research
- * **Roman Brajsa:** solar radio astronomy, solar ALMA test observations
- * **Pavel Jachym:** AOT, integrated tests, galactic research
- * **Devaky Kunneriath:** galactic centre science, radio astronomy
- * **Stanislav Stefl:** stay at ALMA, Chile, stellar research
- * **Michaela Kraus:** stellar radio astronomy
- * **Stepan Urban:** molecular spectroscopy
- * **Jiri Polach:** computers, Internet

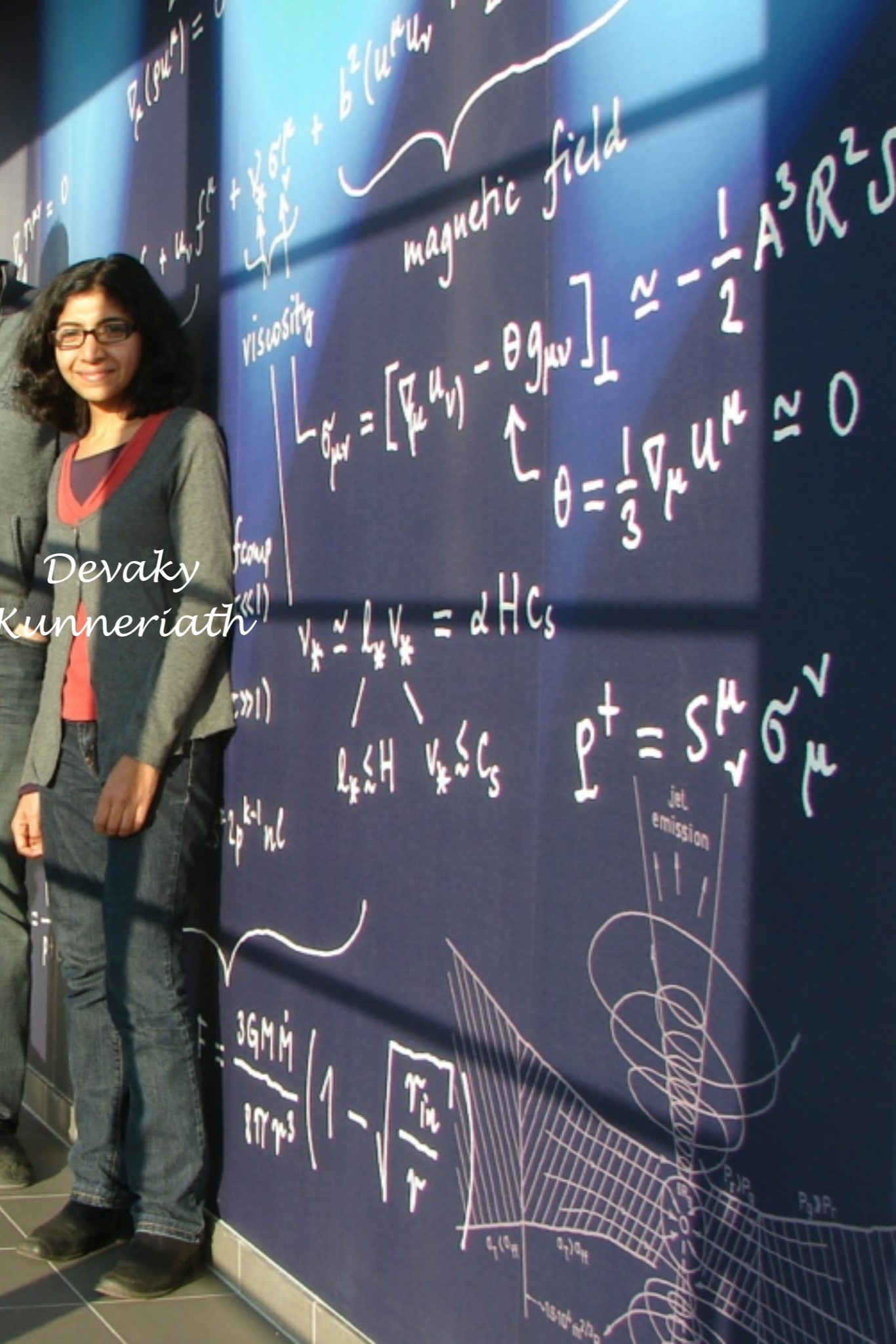
Bartosz
Dabrowski

Marian
Karlicky

Pavel
Jachym

Devaky
Kunneriath

Miroslav
Barta



- * First CASA tests using solar radio data;
- * presentation about Czech ARC node and solar research at international conferences;
- * contact support scientist for one project of Cycle 0 and Cycle 1;
- * local Czech ESO-ALMA node meetings;
- * local school about preparation of ALMA proposals;
- * wikipedia ALMA webpages to Czech and Polish languages;
- * papers about ALMA in Czech and Polish journal;
- * lectures about ALMA (Czech Republic, Slovakia, Poland);
- * building of new room for ALMA visitors;
- * the paper titled “Solar research with ALMA”, Solar Physics, 2011;
- * participation in several official tests of CASA, Imaging Group – EACIG and OT, Single Dish Group;
- * participation in ALMA Community Days 2011 and 2012 at Garching, OT Tutor.



ALMA Winter School
28 – 29 February 2012, Prague

2nd Solar ALMA Workshop
24 June 2013, Prague

CESRA 2013 Workshop
24 – 29 June 2013, Prague



February 28, 2012

- * ALMA and Czech ARC node (M. Karlický, Czech ARC)
- * Introduction to radio interferometry (D. Kunneriath, Czech ARC)
- * Introduction to CASA, part I (D. Petry, ESO ARC)
- * Introduction to Observing Tool (A. Biggs, ESO ARC)
- * Molecular spectroscopy (Š. Urban, Czech ARC)
- * Observing Tool: practical exercises (A. Biggs, ESO ARC and M. Bárta, B. Dabrowski, P. Jáchym, all from Czech ARC)

February 29, 2012

- * Examples of proposals: science and submission process (P. Jáchym, Czech ARC)
- * Solar research with ALMA (M. Bárta, Czech ARC)
- * Introduction to CASA, part II – calibration and imaging with CASA (D. Petry, ESO ARC)
- * CASA: practical exercises (D. Petry, ESO ARC)
- * Discussion and closing

ASTRONOMICAL INSTITUTE
of the Academy of Sciences of the Czech Republic

CZ | český EN | english

SITEMAP

▶ **ALMA (home)**

- ▶ Node Activities
- ▶ News from Czech Node
- ▶ Local Meetings
- ▶ Meetings
- ▶ CASA
- ▶ Early Science
- ▶ Training Materials
- ▶ Radio Astronomy Tutorial
- ▶ ARC Staff
- ▶ ARC Nodes
- ▶ Directions to Ondrejov
- ▶ ALMA Winter School

ALMA (home)



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ALMA DATA
The first ALMA Science data are now public. These data are accessible through the Science Portal without user registration. Data still within its proprietary period (usually 12 months) is only accessible

Google™ Custom Search Search

Czech ARC Node Website:
www.asu.cas.cz/alma

News from Czech Node:

A mailing list is maintained to keep the Central and Eastern European region community informed about ALMA related meetings and training sessions organised by the Czech ARC Node.

<http://www.asu.cas.cz/alma-newsletter-registration>

Twitter:

<http://twitter.com/CzechALMA>

