

REPORT ON THE RADIONET3 NETWORKING ACTIVITY

TITLE: RADIONET – PRESENT & FUTURE OPPORTUNITIES

DATE: *24-26 August 2015* **TIME:** (whole day)

LOCATION: Berlin, DE

MEETING WEBPAGE: <https://indico.mpifr-bonn.mpg.de/indico/conferenceDisplay.py?confId=104>

HOST INSTITUTE: MPG

PARTICIPANTS NO: 42

MAIN LEADER: MPG

REPORT:

1. Agenda and/or programme of the meeting

Attached

2. Scientific Summary

As RadioNet3 comes to an end, this meeting was held to summarize not only the achievements of RadioNet3, but also to collect ideas for a following project and for the future of the radio astronomy community as a whole.

A. Zensus, the project coordinator, summarized that as a whole RadioNet3 went well and is a success. The feedback received from the EC and from the MTR reviewer was excellent, which makes proud the board, the management, the work package leaders, and all partners involved. In the first part of the meeting, the work package leaders (in some cases their representatives) gave a brief update of their work packages achievements and status.

Outcome of the Networking Activities:

A White Paper about a future organization of the radio astronomy community is drafted and will be approved by the Board soon.

Advertising radio astronomy capabilities approaches suffered under limited interest. Therefore, this work has concentrated on the prominent events (e.g. EWASS). Translation of the booklet "The invisible universe" in most European languages and a creation of a comic relating the history of EVN made the highlight of the outreach for general public

The coordination and support of scientific meetings went well. The importance of this working package for the radio astronomical community and for the society in general could be proven e.g. by giving the number of supported underprivileged students / outstanding students, who would not have participated in specific prominent meetings without RadioNet support. The organization and support of schools like e.g. ERIS has exceeded the plans, many small teaching events beside the big ones such ERIS were supported by RadioNet3.

RadioNet3 also supports local users and ALMA/ARC related workshops, which number is increasing with the advent of ALMA use.

Several important Technical Workshops, Radio Astronomy special sessions and meetings of the technical operations group were held in the last 3,5 years of the project. They were addressing the current engineering topics related to the performance of radio telescopes. One of the important missions of RadioNet3 is to maintain the visibility of CRAF members at the international radio meetings. This assures the protection of the radio-bands for astronomy.

Outcome of the JRAs:

JRA – UniBoard² has built and tested the new UniBoard² prototype. The production is about to start. The JRA AETHER provided technical innovation to the ALMA development (e.g. Band 11). The developed software under JRA Hilado was implemented in the CasaCORE and assures the prominent role of Europe in this development. A third generation of a digital backend system (DBBC3) for VLBI and other applications was created and it will be tested in the field soon.

Outcome of TNAs:

TNA programme is core of RadioNet and very good in giving support to users. The RadioNet3 TNAs have offered already twice more access as has been contracted. Collection of the user feedback and tracing of the future publications remains still an issue.

The send pat of the meeting has been dedicated to the future of RadioNet. After the introduction of the new rules of Horizon2020, participants delivered new ideas at the splitter sessions. All ideas were presented shortly at the end of the meeting. They addressed topics for networking and join research activities

3. Attendance list (incl. participant names, affiliation and country) signed by the participants and confirmed by the organizer

Attached

4. Financial Report / RadioNet3 contribution

The conference was funded with 17.000€ by RadioNet3. The support was used for logistics and travel support for the travel support of the following participants:

Persons who received travel support:

BEZRUKOV, Victor (VIRAC)
SMELDS, Ivar (Ventspils University College)
GAIGALS, Gatis - (Ventspils University College)
POHJOLAINEN, Silja (University of Turku)
ROTTMANN, Izabela (MPIfR)
CASADO IGLESIAS, Jacqueline (MPIfR)
ZENSUS, Anton (MPIfR)
ROTTMANN, Helge – (MPIfR)
GAO, Jian Rong (TUD)
van den POLL, Aukelien (JIVE)
ALEF, Walter (MPIfR)
SZOMORU, Arpad (JIVE)
COLOMER, Paco (I'GN)
GUELIN, Michel (IRAM)
YASSIN, Ghassan (Uni Oxford)
VERMEULEN, René (ILT)
KOTIRANTA, Mikko (Fraunhofer IAF)
LAING, Robert (ESO)
TUCCARI, Gino (INAF)
HONINGH, Netty (UCO)
TESTI, Leonardo (ESO)

5. Conference Proceedings and Web page

https://indico.mpifr-bonn.mpg.de/indico/event/RadioNet_H2020

RadioNet - present & future opportunities

Signature List

ALEF, Walter	MPIfR	<i>W. Alef</i>
BELITSKY, Victor	Onsala Space Observatory	<i>Victor Belitsky</i>
BEZRUKOV, Vladislav	VIRAC	<i>Vladislav Bezrukov</i>
CASADO IGLESIAS, Jacq.	MPIfR	<i>Jacq. Casado Iglesias</i>
COLOMER, Francisco	Instituto Geográfico Nacional	<i>Francisco Colomer</i>
CORBEL, Stephane	Observatoire de Paris	<i>Stephane Corbel</i>
GAIGALS, Gatis	Ventspils University College	<i>Gatis Gaigals</i>
GAO, Jian Rong	TUD	<i>Jian Rong Gao</i>
GARRETT, Michael	ASTRON/Leiden University	<i>Michael Garrett</i>
GARRINGTON, Simon	UMAN	<i>Simon Garrington</i>
GOLIASCH, Jens	MPIfR	<i>Jens Goliasch</i>
GUELIN, Michel	IRAM	<i>Michel Guélin</i>
HONINGH, Netty	UCO	<i>Netty Honingh</i>
KONTAR, Eduard	University of Glasgow	<i>Eduard Kontar</i>
KOTIRANTA, Mikko	Fraunhofer IAF	<i>Mikko Kotiranta</i>
KRUIHOF, Gert	ASTRON	<i>Gert Kruihof</i>
LAING, Robert	ESO	<i>Robert Laing</i>
LIMITI, Ernesto	UNIROMA	<i>Ernesto Limiti</i>
LINDQVIST, Michael	Onsala Space Observatory	<i>Michael Lindqvist</i>
MAUERSBERGER, Rainer	MPIfR	<i>Rainer Mauersberger</i>
POHJOLAINEN, Silja	University of Turku	<i>Silja Pohjolainen</i>
RICHARDS, Anita	JBCA, Univ. Manchester	<i>Anita Richards</i>
ROTTMANN, Helge	MPIfR	<i>Helge Rottmann</i>
ROTTMANN, Izabela	MPIfR	<i>Izabela Rottmann</i>
SCAIFE, Anna	JBCA	<i>Anna Scaife</i>
SMELDS, Ivars	Ventspils University College	<i>Ivars Smelds</i>
SOHN, Bong Won	KASI	<i>Bong Won Sohn</i>
SZOMORU, Arpad	JIVE	<i>Arpad Szomoru</i>
TESTI, Leonardo	ESO	<i>Leonardo Testi</i>
THOME, Fabian	Fraunhofer	<i>Fabian Thome</i>
TUCCARI, Gino	INAF-IRA	<i>Gino Tuccari</i>
VAN ARDENNE, Arnold	ASTRON	<i>Arnold Van Ardenne</i>
VAN DEN POLL, Aukelien	JIVE	<i>Aukelien Van Den Poll</i>
VAN DER MAREL, Hans	CRAF	<i>Hans Van Der Marel</i>
VAN LANGEVELDE, Huib	JIVE	<i>Huib Van Langevelde</i>
VENTURI, Tiziana	INAF, IRA	<i>Tiziana Venturi</i>
VERMEULEN, Rene	International LOFAR Telescope	<i>Rene Vermeulen</i>
WIECHING, Gundolf	MPIfR	<i>Gundolf Wieching</i>
YASSIN, Ghassan	University of Oxford	<i>Ghassan Yassin</i>
ZENSUS, Anton	MPIfR	<i>Anton Zensus</i>

Keller Reinhard MPIfR

Rafael BACHILLER OAN - IGN

Fantoleer Vladislav Onsala Observatory

Anton Zensus