WP6 JRA BRAND EVN

The main objective of BRAND EVN (BRoad bAND EVN) is to develop and build a prototype broad-band digital receiver, which will cover a frequency range from 1.5 GHz to 15.5 GHz (1:10 range, chosen to include the 2 cm VLBA band). The BRAND frontend can be adapted to different EVN antennas. The backend part can also be used for other receivers with a RF frequency or IF range between 0-16 GHz. (BRAND EVN Description).

The BRAND EVN parter: MPG, ASTRON, INAF, OSO, UAH-IGN, VUC

The BRAND EVN tasks:

- WP6.1: Feasibility survey of EVN antennas [UAH, OSO, INAF]
- WP6.2: BRAND receiver frontend [MPG, INAF, OSO, UAH]
- WP6.3: BRAND backend [INAF, MPG, ASTRON, VUC]
- WP6.4: Control, recording and correlation software [INAF, MPG, OSO, ASTRON]
- WP6.5: Integration at telescope and test observation [INAF, MPG, OSO, UAH]

This activity is lead by MPG - Leader W. Alef.

BRAND EVN Meetings

- 17-18 January 2017, Alcala/ES - BRAND EVN Kick off

BRAND EVN Daily Management

Is organised on:

Deliverables

The following deliverables are scheduled for WP6:

No	Del. Title	Lead beneficairy	Type	Dissem. level	Due date	Subm. date	Document
D6.1	Report on recommendations for individual EVN antennas.	UAH	RE	Public	30.6.2017		
D6.2	Description and evaluation of the analogue part of the prototype (frontend) of the BRAND receiver for one selected antenna	OSO	RE	publica	31.12.2019		

No	Del. Title	Lead beneficairy	Type	Dissem. level	Due date	Subm. date	Document
6.3	Description and evaluation of the digital part of the BRAND receiver (backend)	INAF	RE	Public	31.12.2019		
6.4	Description and evaluation of the Control, Recording and Correlation software	ASTRON	RE	Public	31.12.2019		
6.5	Test results of the integrated BRAND receiver	MPG	RE	Public	30.06.2020		

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