

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 partner: 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.

AETHRA Meetings / Teleconferences

- 11-12 April 2017, Grenoble/FR - [AETHRA Kick off](#)

Deliverables

The following deliverables are scheduled for WP5:

No	Del. Title	Lead beneficairy	Type	Dissemination level	Due date	Submission date	Document
D5.1	SIS junction mixer operating around 1 THz	UOXF	RE	Public	30.6.2019		

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