

# 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 beneficiary | Type | Dissemination level | Due date  | Submission date | Document |
|------|--|------------------|------|---------------------|-----------|-----------------|----------|
| D6.1 | Report on recommendations for individual EVN antennas. | UAH              | RE   | Public              | 30.6.2017 |                 |          |

| No   | Del. Title   | Lead beneficiary | Type | Dissemination level | Due date   | Submission date | Document |
|------|--|------------------|------|---------------------|------------|-----------------|----------|
| 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 |                 |          |
| 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 |                 |          |

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