

# WP5 JRA AETHRA

AETHRA (Advanced European Technologies for Heterodyne Receivers for Astronomy) aims at exploiting new technologies, such as highly integrated microelectronic semi- or superconducting circuits, to significantly improve the next generation receivers of mm and sub-mm wavelength telescopes, reinforcing European technological and scientific leadership by considerably improving the receiver performance and observing speed of the European-owned world- leading facilities ALMA, APEX, NOEMA and PV. The most effective means to boost the observing speed of those instruments at a reasonable cost consist of: a) widening the Intermediate/Radio frequency (IR/FR) receiver bandwidths and b) implementing large focal plane arrays (FPAs) of heterodyne receivers. ([WP5 Description](#)).

This activity is lead by IRAM - Leader F. Gueth.

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## AETHRA Meetings / Teleconferences

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

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## Deliverables

The following deliverables are scheduled for WP5:

| No   | Del. Title           | Level | Due date | Event | Date | Place | Report |
|------|----------------------|-------|----------|-------|------|-------|--------|
| D2.1 | Technical Workshop 1 | PU    | Dec 2017 |       |      |       |        |

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