

## New science in Radio Astronomy: applying cutting-edge technology to enhance the entire data chain, from receiver to final output



Grant number: 101093934

 WP2 - Novel Detectors and Components for future receivers for European research infrastructures.



- Industry Partners of WP2
  - TTI-Norte (50kEuro) collaborating with Yebes on IF LNAs. Status: Yebes is in frequent contact with TTI-Norte. They shall produce a MMIC based on best design. To be decided in summer 2025.
  - Lytid (50kEuro) collaborating with Observatoire de Paris on Local Oscillators. Status:
    Work on 77-90 GHz source as 1st element in LO chain has started, presented at WP2 meeting on 30/1/2025.
- Other partners from Industry:
  - DIRAMICS working with Yebes on design of MMICs.
  - HES-SO has contacts to Industry to build micro-mechanical parts of tunable filters.
  - There may be others.
- Outreach activities of WP2: Conferences (ISSTT, ...), Publications, New observatories (AtLAST, PRIMA, ...).