



# AAMID/MIDPREP Workshop Wrap-up



CHALMERS



ASTRON



université de BORDEAUX



# SKA-AAMID telescope

- Very good and unique science to be done with SKA-AAMID
- Science has been summarized in science requirements
- Systems have been presented that could meet these requirements
  
- PAF's are booking great progress
  - Increasing bandwidth
  - Lowering system temperature
  - Multiple frequency bands

# Technical developments

- Steady progress in front-end development, various concepts. Costs and power have been reduced 2-4x over the last 5 years.
- System modeling: share more information. All concepts to be evaluated correctly and equally.
- Research to be continued while progress on high-TRL is continuing



# Demonstrator

- Great input on the demonstrator definition.
  - Science should be aiming at what the technology is good at
  - Costing should include operation, scientific exploitation
- Action is needed to formalize the demonstrator definition
- Infra:
  - Space is there, power could be problematic, which asks for innovation as well!
- This workshop has deepened the connections to SKA-SA and the S.A. Universities
- Connection to S.A. industry is essential; the workshop has led to a broader engagement
- Acquisition of funding is needed
- Demonstrator size will depend on funding

# Education

- Education and building-up experience is critically important
- Investigate practicalities to install “education tiles”
- Dual-use: Space applications
  - Student for further exploration

## Concluding remarks

- This last MIDPREP workshop invites continuation in a follow-up program
- Coming back to the objectives:
  - To learn from each others ideas, identify opportunities and challenges
  - Reflect ideas on SKA-AAMID science and engineering
- To inspire you, to get you thinking **and acting!**
- **The SKA-AAMID telescope is well within reach**



Thank you!  
See you at the next meeting!