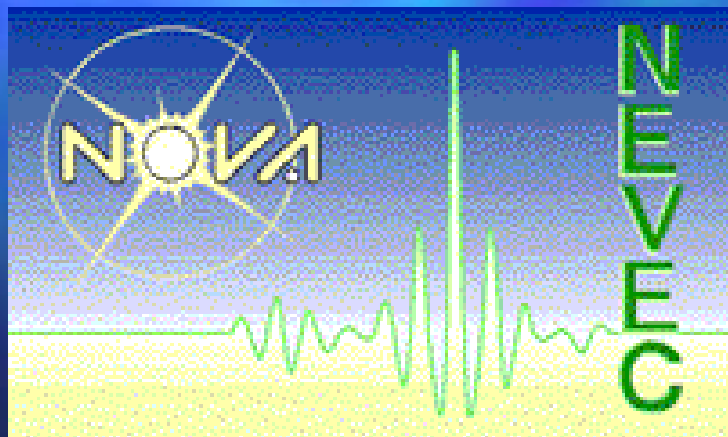


NEVEC-TNO workshop on "Imaging with the VLTI"



DJAST initiative

- Start: 1997
- Main orientation: ESA & ESO programmes
- Synergy between industry, universities, astronomy, pure science
- Primary goal: continue and reinforce NI. activities in the field of aperture synthesis and interferometry

DJAST people

- NOVA-ESO VLT Expertise Center (NEVEC):
Röttgering, Le Poole, Bakker
- TNO TPD: Braam, Snijders, Bokhove, Klumper
- University of Delft: Braat, Mieremet, Montilla-Garcia,
Pereira
- ASTRON: van Ardenne, Noordam
- SRON: den Herder, d'Arcio, de Graauw, Cornet
- Fokker: Teule, Heemskerk
- NIVR: Carpay
- STIP: de Haan

DJAST targets

- Short-term targets:
 - Generate hands-on experience in AS
 - Models and test beds
 - Co-ordination
 - Preparation for future missions
- Long-term targets:
 - Participation in projects
 - Participate in utilisation
 - International co-operation

Programmes

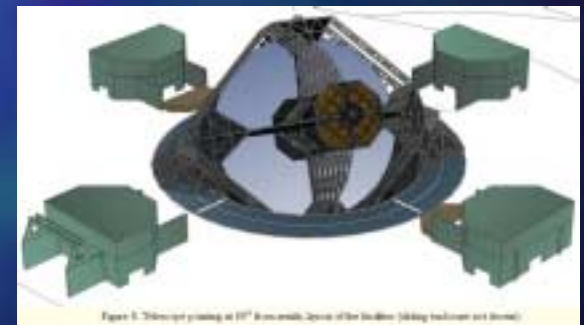
■ ESA:

- IRSI/DARWIN
- GAIA
- SMART 2



■ ESO:

- VLTI
- OWL

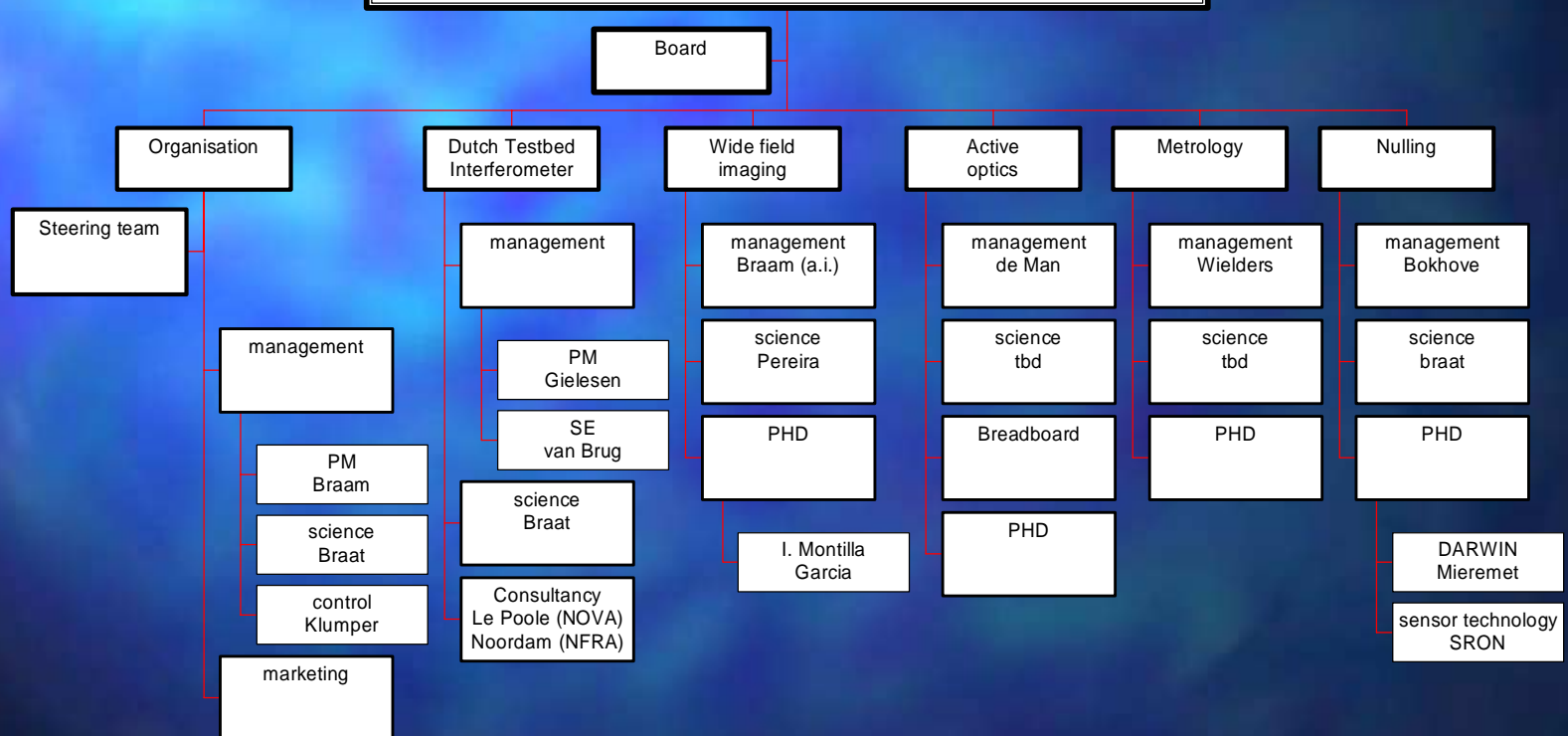


Technologies, projects, studies

- Optical Aperture Synthesis Technologies
- VLTl delay lines
- MIDI
- Wide-field interferometry
- Expertise center for optical optical interferometry
- GAIA OPD test bench
- Nulling technology
- Adaptive optics
- Etc.

New initiatives

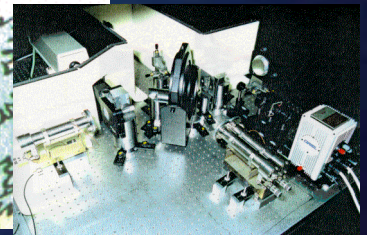
Knowledgecenter Aperture Synthesis (KAS)



Workshop objectives

- Workshop aims at discussions among scientists and engineers on technological and scientific challenges related to imaging capabilities of the Very Large Telescope Interferometer (VLTi):

- engineer meets science
- scientist meets technology
- engineer meets scientist



Workshop objectives

- Topics are relevant for space-based interferometers (DARWIN, TPF), and build on current Dutch involvement in VLT(I)



- Speakers will be a representation of Netherlands based scientists and engineers involved in optical/infrared interferometry related astronomical instrumentation projects



Workshop programme

- Introduction
- Science with the VLTI: extra-galactic & galactic
- Systems: VLBI and VLTI
- Co-phasing and beam recombination
- Technology
- Hardware
- The future

Workshop chairman

