



ASTRON report

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ASTRON

Netherlands Institute for Radio Astronomy

URSI, Chicago, August 2008

- Many changes over last few years:
 - New director & management team (2007)
 - New funding construction; increased base-budget
 - New governance model (2008)
 - New balance and focus within the institute
 - New name and logo:

The image shows the ASTRON logo in white, set against a background of a radio telescope structure. The background is a blue sky with stars and the complex metal framework of a radio telescope dish. The logo "ASTRON" is in a bold, sans-serif font, with the "R" stylized with a white arc above it.

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URSI, Chicago, August 2008

- Radio Observatory (see Millenaar et al. JP:04.17)
 - Joint WSRT & LOFAR operations in Dwingeloo



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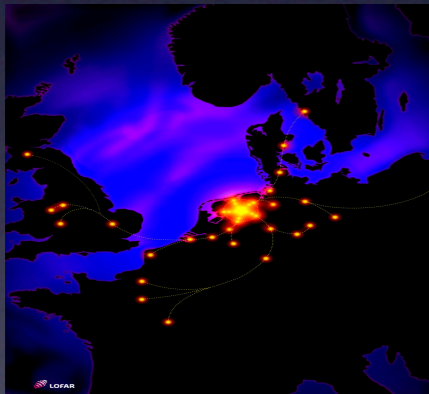
Netherlands Institute for Radio Astronomy

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100+ M€ project

- **Building LOFAR:**

- descope (July 2007) to 36 stations
- 6 MEuro compensation for nature deal (Apr 2008)
- tendering & procurement (Apr. 2008)
- station cost roughly as expected



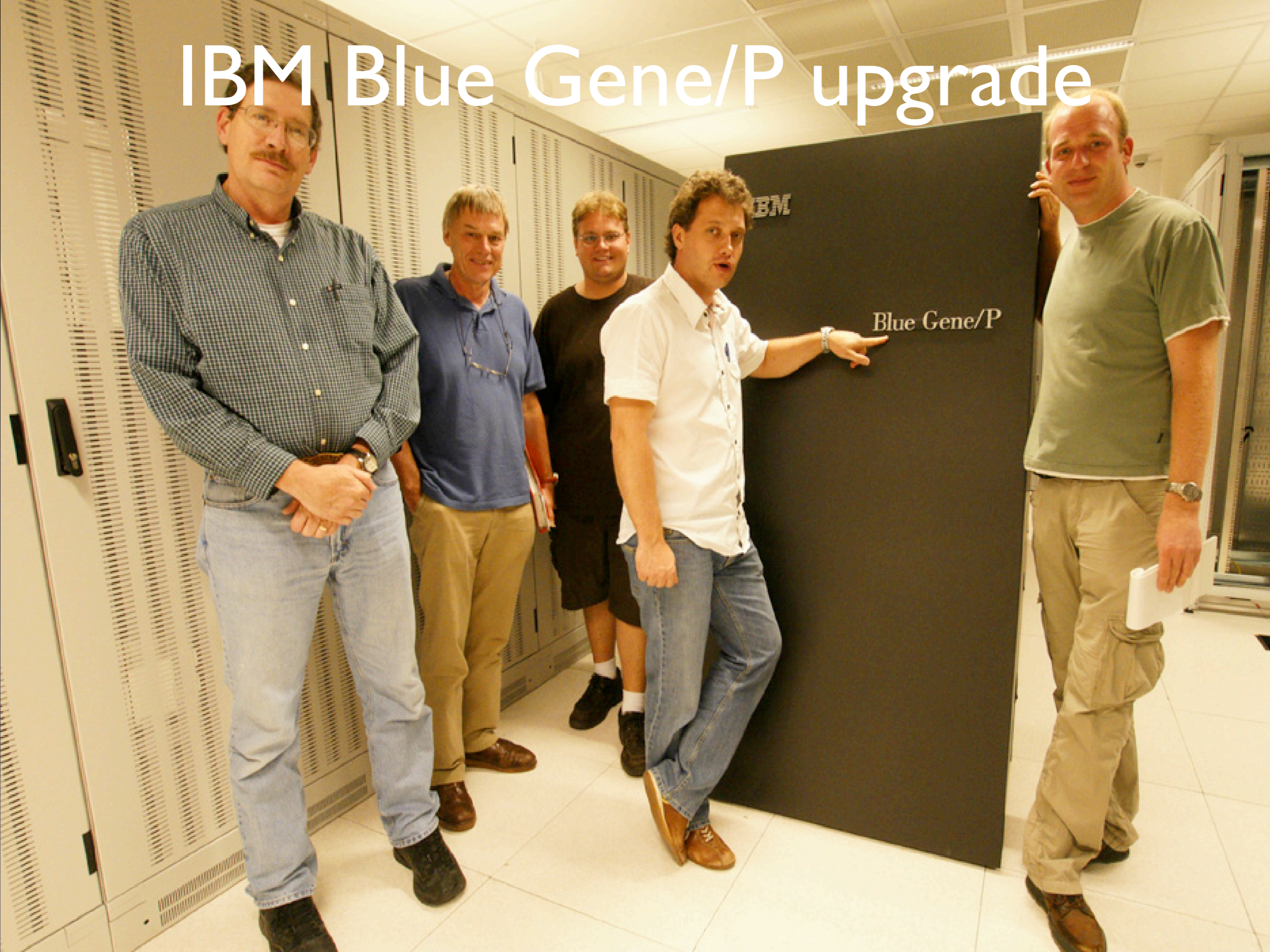
- E-LOFAR: 8 stations fully funded

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Dwingeloo, June 2008

IBM Blue Gene/P upgrade



Site Preparation

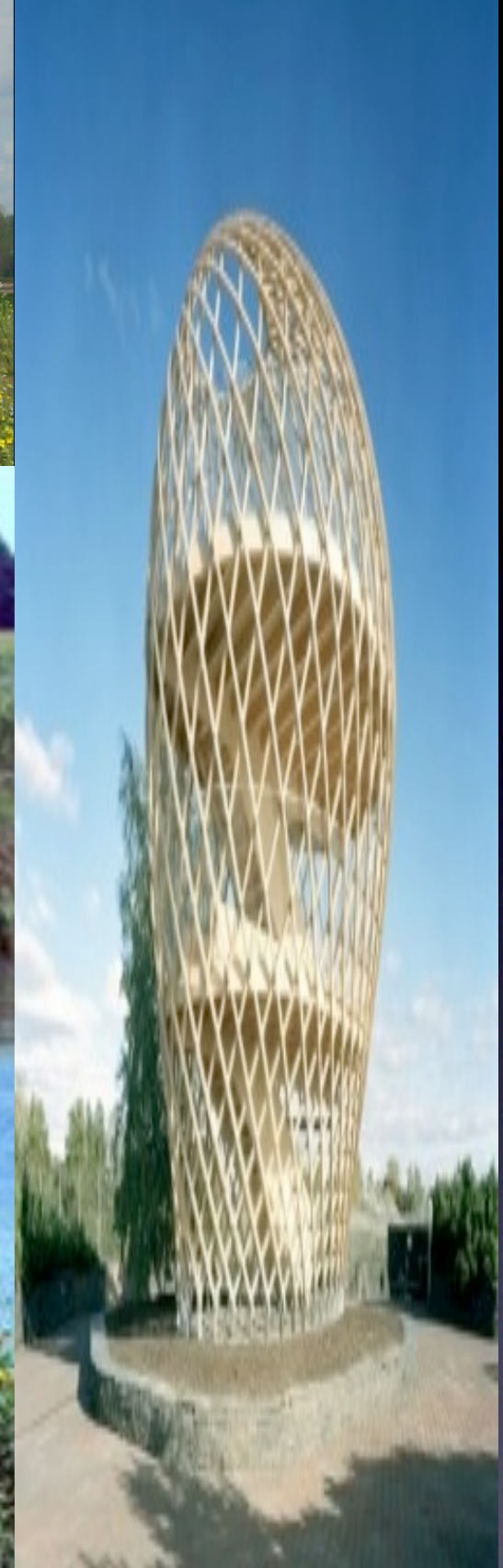


- ★ Water well (for fire extinguishment)
- Power/Glass fiber distribution node for connection to LDFAR stations
- Glass fiber concentrator node









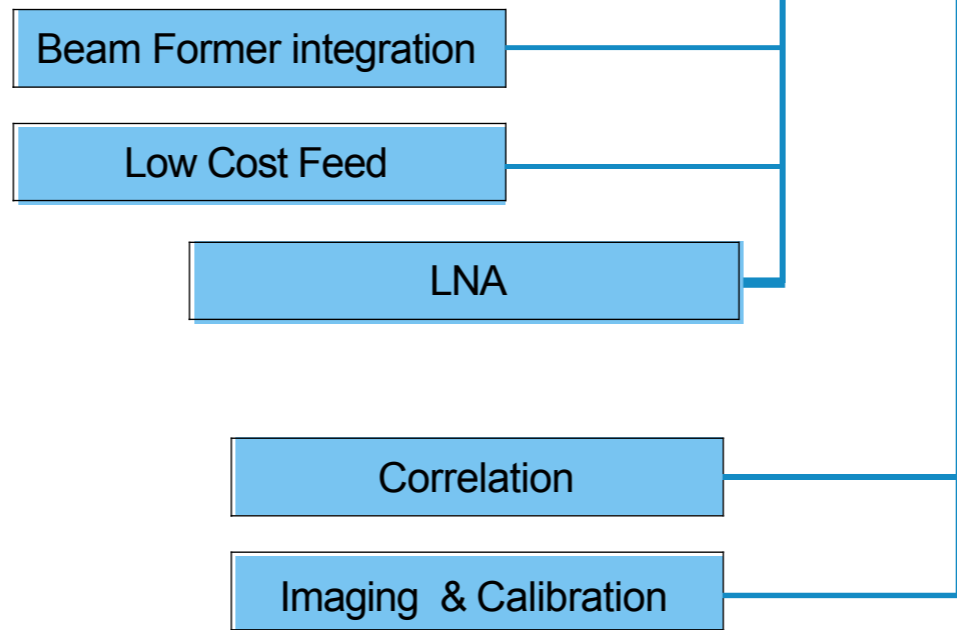
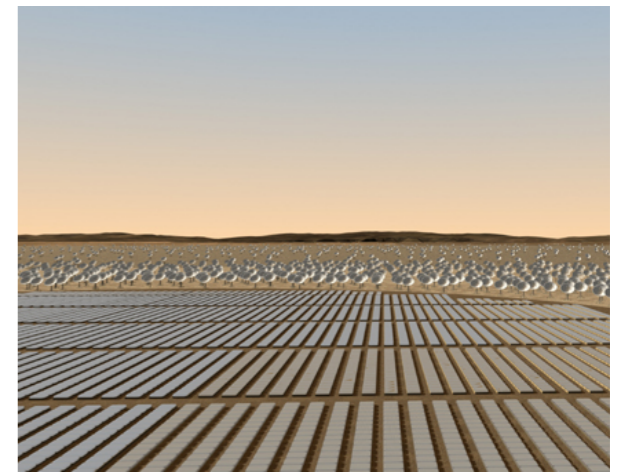
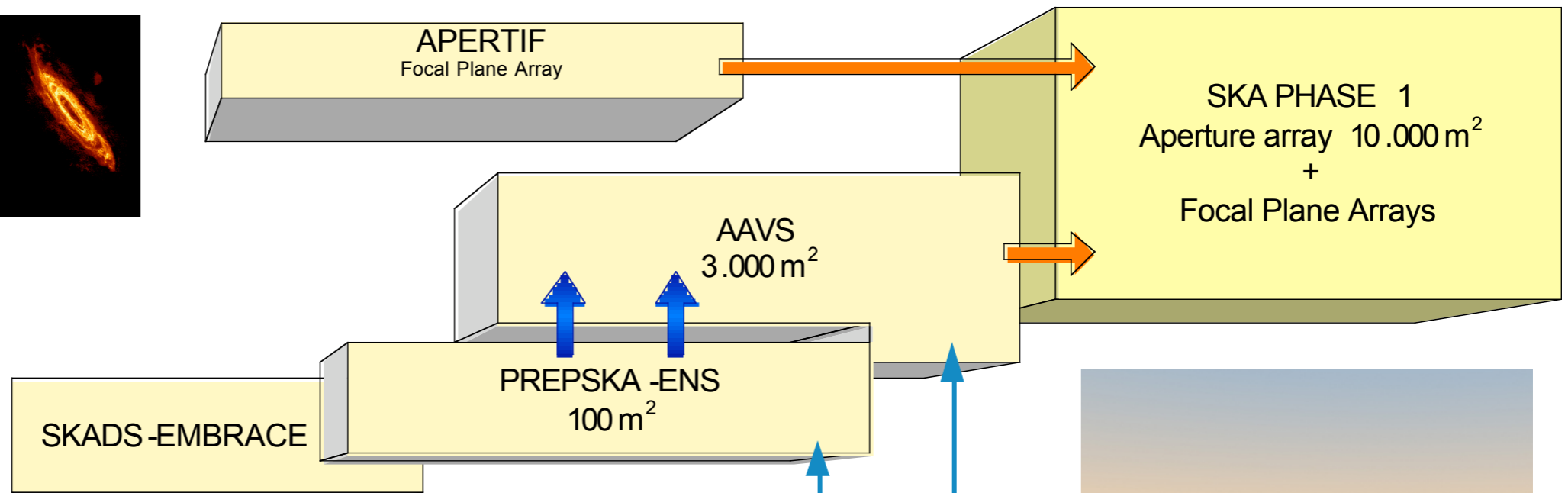
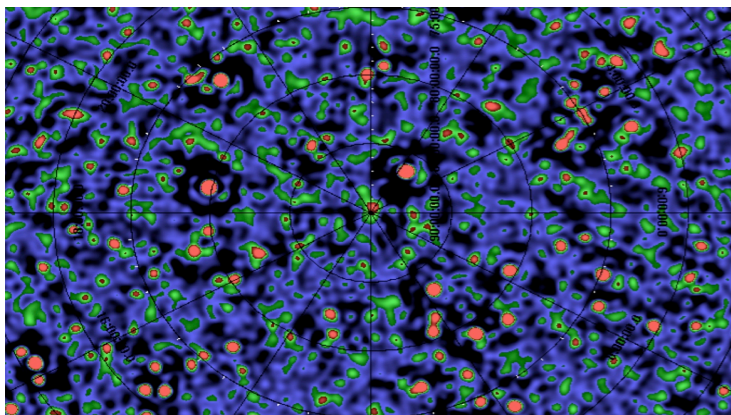
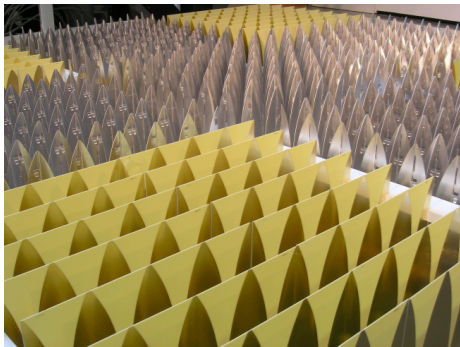
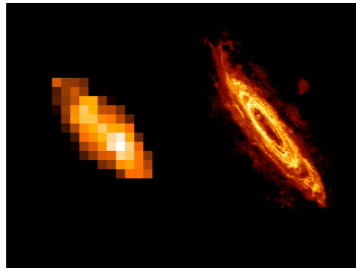
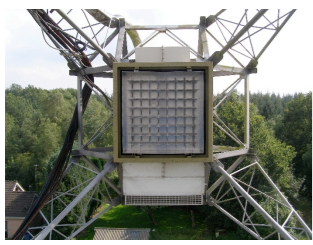
Hardware now being delivered..



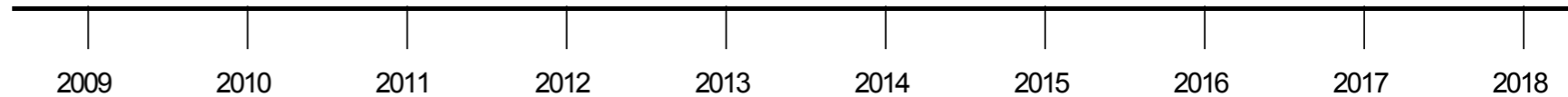
- **LOFAR roll-out planning:**

- first station complete: end October 2008
- 2nd procurement round closes: end Oct. 2008
- 6-8 stations complete: end of 2008
- 20 stations complete: end of Qu-1 2009
- early science Qu-2 2009
- 36 NL stations + 8 int. stations: end 2009

ASTRON's SKA Technology Programme

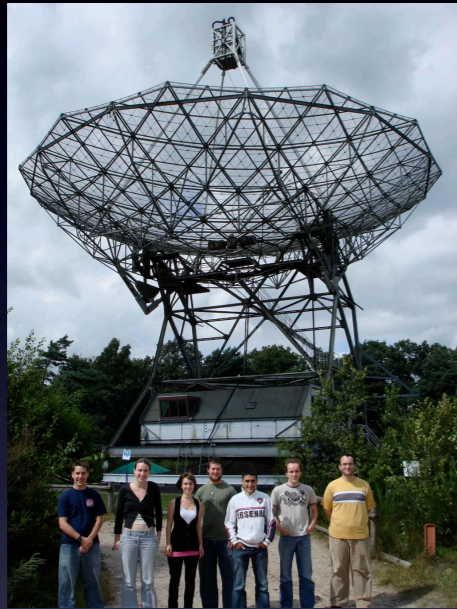


ENS=EMBRACE Next Step
AAVS =Aperture Array Verification System



Useful to know...

- Summer student & Female visitor programme:

A promotional poster for the Helena Kluyver female visitor programme. The background is dark blue with colorful star patterns. The text reads: "Helena Kluyver female visitor programme". Below the text is a black and white photograph of Helena Kluyver, an elderly woman with glasses, sitting at a desk and writing. To the left of the main text are four small images: a colorful nebula, a woman talking to a child, several small satellite dishes, and a larger satellite dish. At the bottom, there are logos for "ASTRON" and "JIVE".

ASTRON and JIVE visitor programme for women working in the fields of astronomy and engineering research & development
www.astron.nl/p/HK

ASTRON JIVE

- New Science Support Visitors room; excellent guest accomodation



ASTRON JIVE daily image (www.astron.nl/dailyimage/):

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ASTRON JIVE Daily Image 07-08-2008



[Click here or on the picture for a full size image.](#)

Dwingeloo 1 & 2 revisited (again)

Submitter: Tom Oosterloo & Gyula Jozsa

Description: In recent months, we have seen the Dwingeloo dish starting a 2nd life. So it is important to re-iterate that in its first life, the telescope has made many important contributions to astronomy. One of these is the discovery of two nearby galaxies: Dwingeloo 1 and Dwingeloo 2. These galaxies have



-----LOFAR-----



-----SKA (EMBRACE / APERTIF)-----