

# The LOFAR phase II cluster (update)

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On behalf of  
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Gunst



cluster**vision**

ASTRON

NWO



1  
2  
3A 3B 4A 4B 5A 5B 6A 6B  
7A 7B 8A 8B 9A 9B 10A 10B 11A 11B 12A 12B  
13A 13B 14A 14B 15A 15B 16A 16B 17A 17B 18A 18B  
19A 19B 20A 20B 21A 21B 22A 22B 23A 23B 24A 24B



2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168

# Current status

- 90% of the hardware has been installed
- Bulk of remaining hardware expected this week
- Fibre trunk LL-ZB is now available
- First few connections are up
- First nodes booted sw stack yesterday
  - ( unsuccessfully )
- Schedule slipping slightly
  - Should not affect timeline

# Current status

- Lce100 is available for porting
  - This will be the basis for our new OS image
  - Arno et.al. built most of the base software stack
  - Pipeline specific stuff may not be available yet
- No more disruptive service windows planned
  - But obviously no guarantees

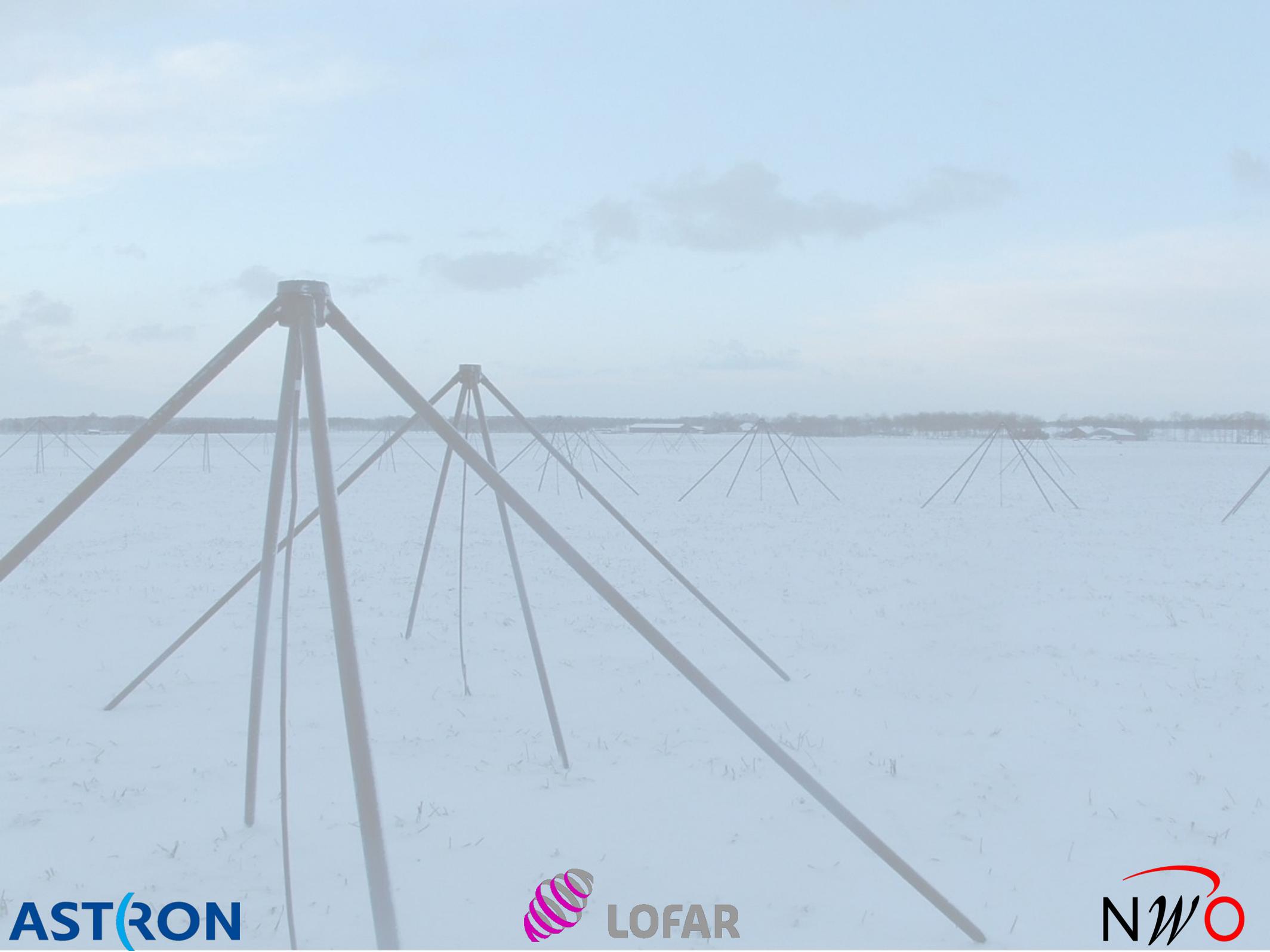
# Still to do

- Install final nodes
- Detailed layer 3 configuration
- Infiniband interconnect not yet operational
- 10GbE trunk LL-ZB
  - Bandwidth currently limited
- IPMI network
  - Unfortunately a BIOS config for every node
- Install software stack
- Acceptance tests



# Final words

- Cluster is built and producing heat/noise
  - (but little else at the moment)
- Still on track for operations in April
- Ball is in our (ASTRON/RUG) court now



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