



ASTRON Netherlands Institute for Radio Astronomy

NWO Industrial Liaison Officers network

Ronald Halfwerk
(ASTRON ILO)

Big Science Industriedag
Nieuwegein,
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ASTRON is part of the Netherlands Organisation for Scientific Research (NWO)

We offer
Development Support to 3rd parties:

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- ✓ Test and Verification facilities
- ✓ Analogue / RF technology development
- ✓ Digital technology
- ✓ Micro Assembly
- ✓ Optical expertise
- ✓ Clean room (Class ISO 7 en 5)
- ✓ PCB manufacturing/prototyping of RF-boards
- ✓ Courses on applied RF technology
- ✓ R&D support
- ✓ Design reviewing



Valorisatie van wetenschappelijke infrastructuur

enkele voorbeelden:

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Passieve radar



Galileo validatie



(Site Monitoring Facility)



Electronically steerable antennas



IBM The DOME project

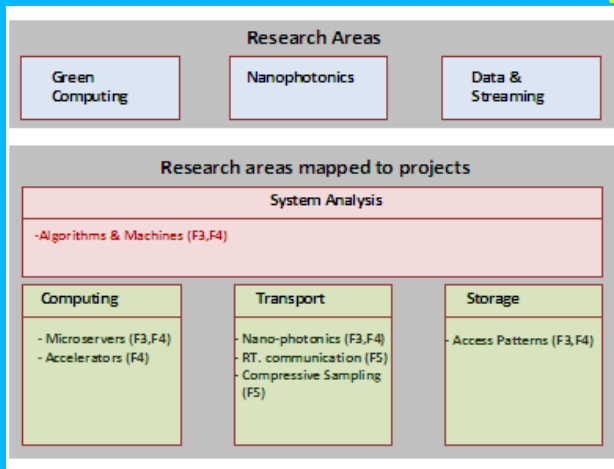
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Netherlands Science center

"Excellent research in breakthrough technologies"



Economic spin-off through DOME Users Platform:

- Support & Services for Next-Generation Data Centres
- Test & Measurement of hightech systems and materials
- Applications and services in sensor systems
- High-tech design and development

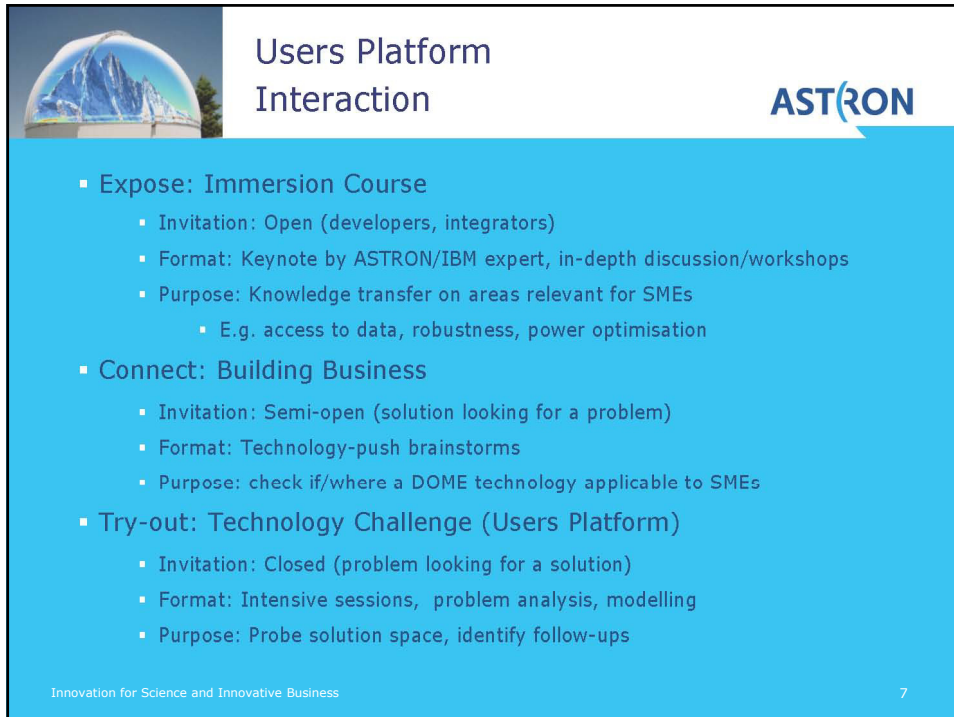
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IBM

provincie Drenthe

Ministerie van Economische Zaken, Landbouw en Innovatie

NWO



Users Platform Interaction

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- **Expose: Immersion Course**
 - Invitation: Open (developers, integrators)
 - Format: Keynote by ASTRON/IBM expert, in-depth discussion/workshops
 - Purpose: Knowledge transfer on areas relevant for SMEs
 - E.g. access to data, robustness, power optimisation
- **Connect: Building Business**
 - Invitation: Semi-open (solution looking for a problem)
 - Format: Technology-push brainstorm
 - Purpose: check if/where a DOME technology applicable to SMEs
- **Try-out: Technology Challenge (Users Platform)**
 - Invitation: Closed (problem looking for a solution)
 - Format: Intensive sessions, problem analysis, modelling
 - Purpose: Probe solution space, identify follow-ups

Innovation for Science and Innovative Business 7



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