



**MECC - Maastricht 14 October 2024**



## **Vision**

Performing Big Science is only possible through long term international collaborations aimed at doing excellent science. Supplies from industry are fundamental to building the envisioned infrastructures. The requirements from science challenge high tech companies to innovate and perform at the highest technical levels and collaborate intensively with the science community.

## **Ambition**

BigScience.NL aims to make the connection between Big Science Organisations and industry, matching the needs of Big Science Organisations with the competences of the national industry to provide the Big Science Organisations with competitive offers and functional equipment. At the same time, it provides industry with interesting tenders to obtain revenue, foster innovation and visibility (marketing).



## Main tasks

- Link network of high-tech companies to needs of Big Science Organisations
- Participation in industrial fairs by organising a joint company booth
- Maintaining an informative website & issue a regular newsletter
- Organise meetings to inform industry about opportunities
- Three core areas:
  - Co-development
  - Knowledge transfer
  - Geo-return (tenders)





# International Events

**SPIE Astronomical Telescopes  
& Instrumentation, Yokohama,  
Japan**



**Big Science Business  
Forum, Trieste, Italy**

**Symposium on Fusion Technologies,  
Dublin, Ireland**



# NL Industry Liaison Officers

Organisation	Name & Role	Institute
CERN & ET	Jan Visser – BigScience.NL coordinator, Accelerator & Gravitational waves facilities	Nikhef
ET	Rob van der Meer – Gravitational wave facilities	Nikhef
ESA	Jan Geralt bij de Vaate – Space	SRON
ESO	Ramón Navarro – Optical telescopes	NOVA
ITER – F4E	Paul Hieltjes – Fusion	DIFFER
HMFL/FELIX	Meike Arnold – Ultra high field magnets & Free electron lasers	HFML/FELIX
LOFAR & SKA	Pieter Benthem – Radio Telescopes	ASTRON
NIOZ	Marck Smit – Sea and ocean research	NIOZ
NWO-I	Robbelien Kooistra – Strategic policy support	NWO-I

# Connections and roles

## European connections

### Jan Visser

- Board member PERIIA -Pan-European Research Infrastructures ILO association
- Member Accelerator Industry Permanent Forum (AIPF)
- INPROCAP – EU Project on innovation procurement

### Robbelien Kooistra

- INPROCAP – EU Project on innovation procurement

## Dutch connections

- Ministry of Economic Affairs
- Ministry of Science & Education & NWO
- Institutes & Universities
- Holland High Tech
- Mikrocentrum
- TNO
- Many companies



CERN  
The European Organization for Nuclear Research



ESRF  
European Synchrotron Radiation Facility



ITER  
ITER ("The Way" in Latin)



F4E  
Fusion for Energy



ESA  
The European Space Agency



ESO  
European Organisation for Astronomical Research



SKA  
We provide information



AMICI  
Accelerator and Magnet Infrastructure for Cooperation and Innovation



XFEL  
X-ray Free-Electron Laser



DESY  
*Deutsches Elektronen-SYNchrotron*



PPPL  
Princeton Plasma Physics Laboratory



Diamond  
UK's national synchrotron science facility



ECMWF  
The European Centre for Medium-Range Weather Forecasts



ESS  
*European Spallation Source*



KM3NET  
*(gen tender website / no tender website available)*



LOFAR  
*(gen tender website / no tender website available)*

Route to connections with

- Our network
- Big Science Organisations
- *Join our database*

## Companies

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Search for companies →

## Line of work

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- Detectors & Sensors
- Electronics
- Cryogenics
- Cabling & Connectors
- Diagnostics & Metrology
- ICT
- Materials
- Materials Handling
- Mechanics
- Mechatronics
- Magnets
- Photonics
- Remote Handling
- Vacuum

## Activities

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- Engineering
- Production
- Test & Measurement
- Consultancy
- Assembly
- Research & Development
- Software
- System Supplier
- Project Management
- Machining
- System Engineering



## Overview of visited companies

- Important to see facilities and understand key competences
- Inform BSOs of unique skills
- Sharing info between ILOs



23rd edition

# PRECISION FAIR

Pushing boundaries with precision technology

📅 13 & 14 NOVEMBER

10:00-17:00 HOUR

BRABANTHALLEN, 'S-HERTOGENBOSCH (NL)

## Visiting Representatives



**FUSION  
FOR  
ENERGY**



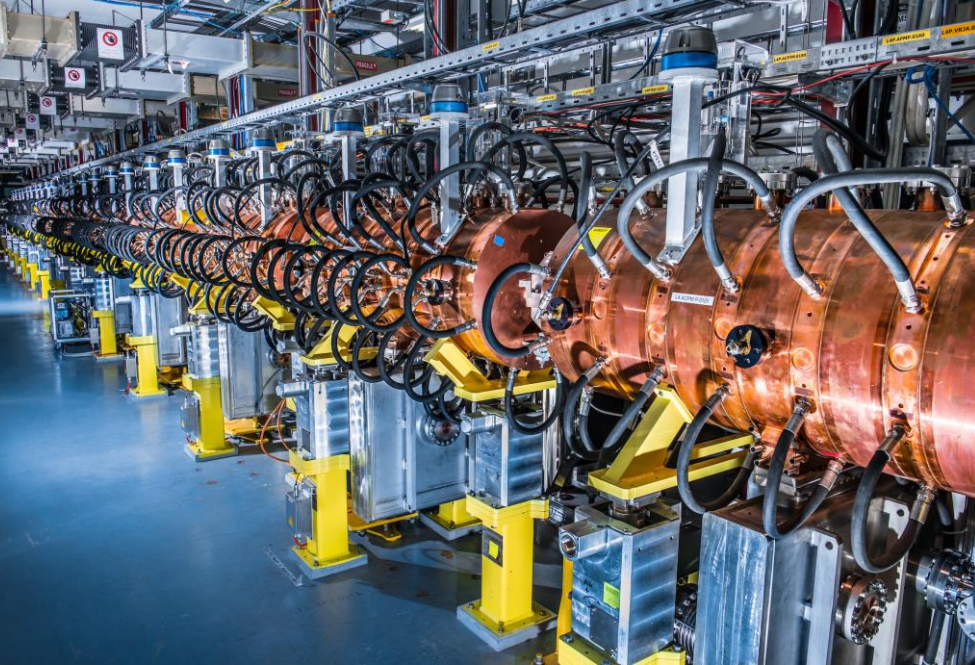
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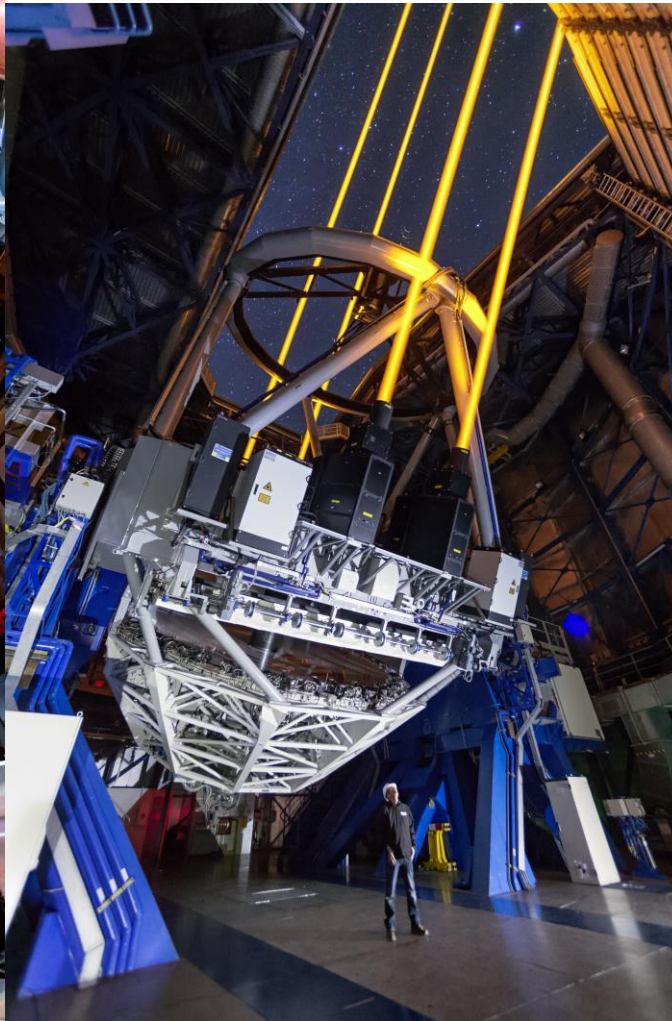
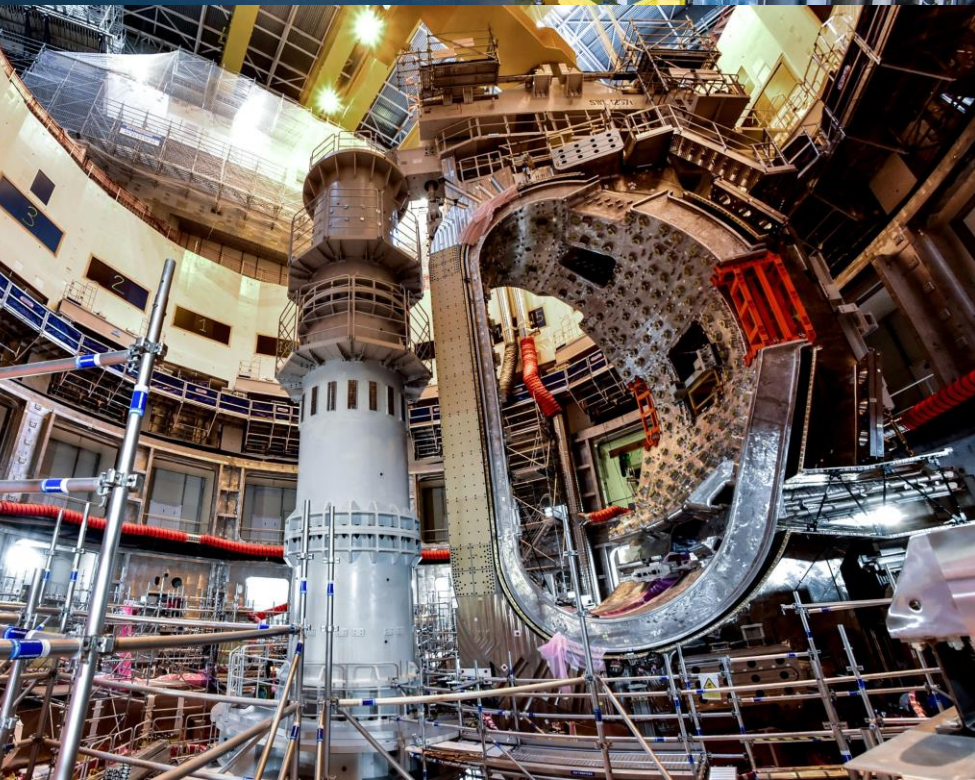
### Notes:

GSI FAIR is located near Darmstadt just south of Frankfurt in Germany

ELI-ERIC has laboratories in Czech Republic, Hungary and Romania



Questions?



# Big Science Business Forum



**MAASTRICHT**  
**27-30 OCTOBER 2026**

MECC | Maastricht - The Netherlands



**Sign up for newsletter at <https://www.bsbf2026.org/>**