

**HTSM & ILO-net
welcome you to this joint event**



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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

- Expand network of companies and knowledge of needs of Big Science Organisations
- Focus on calls for tender to high tech companies, and support the tender process
- Participation in industrial fairs by organising a joint company booth
- Promotion of High Tech Dutch companies involved in Big Science
- Maintaining an informative website & issue a regular newsletter
- Organise meetings to inform industry about opportunities



NL Industry Liaison Officers

International Organization	Name Role	Institute
CERN, ET	Jan Visser BigScience.NL coordinator / Accelerator and gravitational wave facilities	Nikhef
ET, ETpathfinder	Rob van der Meer Gravitational wave facilities	Nikhef
LOFAR, SKA	Ronald Halfwerk Radio telescopes	ASTRON
SKA	Michiel van Haarlem Radio telescopes	ASTRON
Differ	Paul Hieltjes ITER Fusion science	ITER
ESO	Ramón Navarro Optical telescopes	NOVA
ESA	Jan Geralt bij de Vaate Space	SRON
HFML /FELIX	Martine Heiligers Magnets with ultra high fields & Free electron lasers	RU Nijmegen/HFML/FELIX
NIOZ	Marck Smit Sea and ocean research (including deep sea research and technology)	NIOZ

Connections and roles

European connections

Eric Boom

- Dutch Industry Representative /
Fusion Industry Innovation Forum

Gerard Cornet

- Infrastructures & Industry for Collaboration
(ENRIITC) Horizon 2020

Jan Visser

- Board member PERIIA -Pan-European Research
Infrastructures ILO association
- Member Accelerator Industry Permanent
Forum (AIPF)

Dutch connections

- Ministry of Economic Affairs & RVO & NSO
- 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



European 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)

Tenders

- Current tenders:
https://www.gsi.de/start/wirtschaft_industrie
- Upcoming tenders:
https://www.gsi.de/work/administration/stabsabteilungen_stellen/technologietransfer/technologieuebersicht/fair-bsbf-2022/ipac-2023

“Roadshow” at GSI

In order to strengthen interaction between business and science GSI organises regularly roadshows on the campus of GSI:

https://www.gsi.de/en/work/administration/stabsabteilungen_stellen/technologietransfer/technologieuebersicht/fair-bsbf-2022/ipac-2023

2023 dates with availability

- 20 July
- 16 November
- Contact Martina Bauer <M.Bauer@gsi.de>

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

07 May 2023 -> 12 May 2023;
IPAC'23 | booth B19 of Big Science.nl



06 Apr 2023;
ESA-regelingen waarvoor NSO-steun nodig is

29 Mar 2023 -> 30 Mar 2023;
AM for Production



28 Mar 2023 -> 29 Mar 2023;
European Cryogenics Days



21 Mar 2023;
ZIE: de technologische industrie



24 Jan 2023 -> 25 Jan 2023;
15th European Space Conference

16 Nov 2022 -> 17 Nov 2022;
Precisiebeurs 2022

12 Nov 2022 -> 17 Nov 2022;
Space Tech Expo 2022 Bremen

10 Nov 2022;
Einstein Telescope & Industry day

04 Oct 2022 -> 07 Oct 2022;
BSBF 2022



28 Sep 2022 -> 29 Sep 2022;
ESA's Industry Space Days (ISD)

18 Sep 2022 -> 22 Sep 2022;
IAC 2022 Paris

18 Sep 2022 -> 23 Sep 2022;
32nd Symposium on Fusion Technology (SOFT 2022)

28 Aug 2022 -> 02 Sep 2022;
The International Society of Infrared, Millimeter, and Terahertz Waves

17 Jul 2022 -> 22 Jul 2022;
SPIE Astronomical Telescopes + Instrumentation

21 Jun 2022;
ET2SMES General workshop: other technologies



SPIE Astronomical Telescopes & Instrumentation, Montréal Canada

Big Science Business Forum, Granada, Spain



Calendar / Upcoming Events

02 Jun 2023;

Big Science meets (Holland) High Tech

Mikrocentrum, Veldhoven



27 Jun 2023;

NWO Teknowlogy festival

De Fabrique, Utrecht



05 Jun 2023 -> 07 Jun 2023;

ESA/ESTEC

ESTEC, Noordwijk



10 Sep 2023 -> 15 Sep 2023;

MT28; International Conference on Magnet Technology

Grand Théâtre de Provence, Aix-en-Provence



07 Jun 2023 -> 08 Jun 2023;

Vision, Robotics & Motion 2023

Brabanthallen - 's-Hertogenbosch





Exhibition

Welcome to Provence!

The MT28 Organizing Committee welcomes companies and academic partners wishing to exhibit their products and services during this first-class magnet-related conference. From 10 to 15 September 2023, the international magnet community will gather in the Southern French city of Aix-en-Provence to present their latest achievements, meet old and new colleagues and learn as much as they can!

Resources

 [Sponsors Booklet](#)

1 – 4 October 2024

BSBF
2024

TRIESTE



2023 focal points

Strengthening the network

- Website upgrade (in progress)
- National and international events
 - which ones should we attend?
- Engage with industry
 - please provide ideas!
- Broaden group of Big Science organisations
- 10 October – Industry meeting @ ASTRON



RI.Logistica

GETTING SCIENCE IN PLACE



Mission

- RI.Logistica will support research infrastructures in developing in-house expertise that will allow them to address any logistical challenge by building on well-established processes deployed and tested by the industrial world.
- In research, these challenges may vary from the shipment of tiny samples invisible to the naked eye, to transportation of vaccines under strict temperature conditions, and moving of giant scientific equipment across continents.

Ukraine initiative

- The aim is collect equipment that is not used in our labs and companies and ship it to Ukraine when possible.
- RI.Logistica takes care of:
 - Shipping and storage
- All we have to do is:
 - Look at the list:
<https://rilogistica.eu/guidelines-ilo/>
 - Go to the lab and fill a box
 - Send an email to RI.Logistica
 - Print label and hand box to the courier