



ISFNT – Industry Day ‘23

BSBF
2024

Las Palmas, 12th September 2023

Paolo Acunzo, ENEA

BSBF – Big Science Business Forum is a business oriented congress which congregates the main European Research Infrastructures, focused on technology and with the aim to be the main meeting point between Research Infrastructures and industry.



BSBF 2024 in Trieste will be the third edition of the event after the success of the previous edition in Copenhagen (2018) and Granada (2022), where thousands of participants from hundreds of organisations and dozens of countries gathered together to discuss the future prospects of the Big Science Market.

BSBF Trieste 2024 structure

Leader of the Italian candidature is the Autonomus Region of Friuli Venezia Giulia. In order to manage all BSBF activities, it has been established an ad hoc specialized structure, called **BSBF Trieste 2024** and composed of representatives of:

- ***Autonomus Region of Friuli Venezia Giulia***
- ***ILO Network Italia*** (CNR, ENEA, INAF, INFN)
- ***Area Science Park, Trieste***
- ***PromoTurismo FVG***

Moreover the BSBF Trieste 2024 candidature is actively supported by many **Italian Ministries** (*University & Research, Environment & Energy, Foreign Affairs & International Cooperation and Economic Development*), the international government association **Central European Initiative** (CEI), the major national research agencies (CNR, ENEA, INAF, INFN) and many local or trans-border research institutions.

BSBF Trieste 2024 overview

The spirit of our programme is to consolidate the BSBF brand, involving all Big Science Organizations (BSOs) currently partners and continue the trends seen in Copenhagen and Granada, maintaining the cornerstones of best practice while, at the same time, trying to improve some aspect and introduce our own innovative ideas

- 3-day event with an industrial exhibition
- 3 plenary sessions
- 16 parallel sessions
- 1 to 1 (B2B-B2C) meetings in parallel
- Satellite meetings and side events
- Social programme
- Visit to research infrastructure in Italy and Slovenia

BSBF2024 Programme

As foreseen in the BSBF2022 programme, three plenary sessions will be organized during Day 1 and Day 2 addressing common issues and topics of general interest. These sessions will be moderated by a high-profile facilitator, carefully selected to be able to capture the gist of the event, communicating this to the audience in a short period of time, introducing the plenary session participants and summarizing the main points after each speaker's talk.

- **Day 1 Plenary session I: Welcome and presentations from the BSBF partners**
- **Day 2 Plenary session II: Towards a Big Science common market in Europe (NEW)**
- **Day 2 Plenary session III: Closing of BSBF2024**

BSBF2024 Programme

- **Plenary session II: Towards a Big Science common market in Europe (NEW)** (3rd October, 09h00-11h00)

This session intends to present the current situation in the European Big Science market from different perspectives, taking into account industrial experience working for different BSOs, and focusing on a panel discussion involving high-level European representatives on why and how to develop a real Big Science Common Market in Europe.

Call:

BSBF Trieste 2024 will select industries via a call for nominations (**BSCM call**) open to those companies that gained different tenders from at least two or three BSOs. The industries chosen will be asked to explain the differences in working practices of BSOs and be asked to make suggestions based on their experience on how to establish a Common Market of Big Science. This activity is connected with parallel session C4 on the same day.

Focus – New

- Parallel session C4 **Industrial experiences towards BSCM - Big Science Common Market** (3rd October, 11h20-13h20)

In the same day of related plenary session II, this parallel session intends to present the current situation in the European Big Science market from an industrial perspective, selecting cases of business experience with at least 2 or 3 different BSBF partners in order to analyse BSOs different opportunities and ways of working.

As mentioned before, Industries will be selected via a call for nominations (BSCM call) open to those companies that gained different tenders from at least two or three BSOs. The industries chosen will be asked to explain their experience and the BSOs differences in working practice.

BSBF2024 Programme

Following the format of the past BSBF editions, we plan to organize industry-track parallel sessions where the forthcoming opportunities, investment and industrial engagement actions will be presented by representatives of each Big Science Organizations.

BSBF Trieste 2024 has proposed 16 parallel sessions divided in 4 slots (A, B, C, D) in two days (2 and 3 October 2024), according to the following list.

- **Parallel sessions A** (Day 1, 14h15-16h15)

A1 Opportunities for Big Science in Central Europe (NEW)

A2 Robotics and remote handling systems

A3 Diagnostics, detectors, sensors, optics and instruments

A4 Affiliated Big Science Organizations (ABSOs) I

- **Parallel sessions B** (Day 1, 16h30-18h30)

B1 SME involvement (SMEs) and key aspects for Procurement

B2 Superconductivity and superconducting magnets

B3 Complex buildings, construction and its safety related systems

B4 Affiliated Big Science Organizations (ABSOs) II

- **Parallel sessions C** (Day 2, 11h20-13h20)

C1 Electrical, power electronics, electromechanical and RF systems

C2 High precision, small and large mechanical components

C3 Instrumentation and control systems

C4 Industrial experiences towards BSCM - Big Science Common Market (NEW)

- **Parallel sessions D** (Day 2, 14h15-16h15)

D1 *tbc*

D2 Vacuum, cryogenic and leak detection technologies

D3 Basic material technologies and advanced manufacturing techniques

D4 ICT challenges: Information and Communication Technologies

Focus – ABSOs

BSBF Trieste 2024 plans to give the floor to selected affiliated Big Science Organizations, as it was carried out in the first and second BSBF edition. It will be given the chance to the ABSOs selected to present themselves and their industrial opportunities during **2 parallel sessions** (A4, B4) and relevance throughout different BSBF tools (website dedicated section, Programme book, etc.)

Call:

BSBF Trieste 2024 will conduct a **call for affiliated Big Science Organisations (ABSOs call)** following the criteria and methodology already adopted.

Focus – SMEs

In parallel we intend to organize a SME session, where pre-selected SMEs active in the Big Science market will have the opportunity to explain their activities to an audience of technical representatives from Big Science organizations, including affiliated members.

As in the 2022 edition, a call for SME poster will be conducted prior to the event. In the same way we confirm parallel sessions dedicated to **SME's involvement** (B1), focusing on the key aspects for procurement in order to facilitate SMEs participation in the Big Science domain.

Call:

According to the past experience, **PERIIA** in collaboration with BSBF Trieste 2024 will organise a new edition of **SME's Track** (SMEs Track call) in close collaboration with BSBF Trieste 2024.

Focus – Technology Transfer

According with the results of the past, a new edition of **Technology Transfer Track** (TT Track call) will be launched with some innovations. For examples it will be requested to the applicants to submit industrial posters on relevant experiences and possible applications in Big Science domain.

As in the past a specific section of BSBF2024 website on Technology Transfer will be implemented. Moreover a dedicated exhibition of the selected posters will be organized during the Forum in Trieste in order to disseminate best practices and incentive discussion on the topic among enterprises and research infrastructures.

Call:

BSBF Trieste 2024 will organise the dedicated website section and a new edition of Technology Transfer Track (**TT Track call**) in collaboration with interested BSOs and PERIIA Network.

Focus – New

- Parallel session A1 **Opportunities for Big Science in Central Europe** (2nd October, 14h15-16h15)

The city of Trieste is located in a strategic position between Eastern and Western Europe and benefits from a combination of geographical and historical factors that makes BSBF2024 a unique edition.

Moreover Trieste hosts the **Central European Initiative (CEI)**, the international body committed to support continental integration through regional cooperation among its member States:

- Albania, Bosnia Herzegovina, Bulgaria, Croatia, Czech Republic, Hungary, Italy, Moldova, Montenegro, North Macedonia, Poland, Romania, Serbia, Slovakia, Slovenia and Ukraine;

This session wishes to open the door of Big Science to new stakeholders from those countries, encouraging next collaborations and opportunities.

Focus – BSBF2024 Calls

Industry selection will also be done through a dedicated new kind of call to Big Science common Market (**BSCM call**) in addition to the other traditional calls to SMEs (**SMEs Track call**), to spread Technology Transfer (**TT Track call**) and to select Affiliated Big Science Organizations (**ABSOs call**) already implemented in previous BSBF editions, such as the call to host BSBF next edition.

All these calls will be prepared and launched under responsibility of **BSBF Trieste 2024** and they will be published on **www.BSBF2024.org** website

Big Science Organizations and ILOs will disseminate notice regarding those calls throughout their channels.

B2B and B2C sessions

BSBF Trieste 2024 considers B2B and B2C meetings to be one of the main purposes of BSBF in order to build partnerships and networking for construction of a Big Science Common Market. For this reason, we included the options to organize a significant number of 1 to 1s (B2B and B2C meetings) running at the same time as 16 parallel session presentations, industrial exhibition and we add the possibility to have special kind of B2C even during the morning of Day 3.

As for past editions, It will be provided a matching system to fix B2B among participants through BSBF2024 website and app.

It will also be possible to arrange informal bilateral meetings during breaks and in other free moments. Furthermore, we are also planning to offer places for informal dates in Trieste and the possibility of arranging videoconference meetings in the weeks following the event.

Exhibition

BSOs, ILOs and companies will have at disposal a huge exhibition spaces, organized in a double hall in the Trieste Conference Centre located by the sea. Bearing in mind the high requests from companies in the past editions, we have planned to have the biggest BSBF exhibition with more than **120 booths** in Trieste in order to provide all potential exhibitors with as much visibility as possible, so developing business impact and public awareness for the whole BSBF brand.

As usual the industrial exhibition it will be inaugurated on Day 0 with an authorities walk and It will be open in Day 1 and 2. An extra day opening would be available in Day 3 for BSOs and companies involved in career opportunities satellite session.

Similarly to previous editions, BSBF Trieste 2024 plans to allow a limited-time privileged booth access for ILOs and relevant liaison bodies from BSOs in order to secure national exhibition space on a “first come, first served” basis.

Day 3 programme (NEW)

- Free access to BSBF2024 (to increase participation of young researchers, women in Big Science, interested general public, etc);
- Free stay in exhibition area for BSOs and companies booths involved in Day 3 satellite meetings for direct contacts;
- Extra opening day for B2B and B2C meetings;
- Visits to Research Infrastructure reserved to registered in BSBF2024

TIME	GENERAL SESSIONS	PARALLEL SESSIONS	EXHIBITION	B2B	SOCIAL PROGRAMME
09h00 – 11h00	<u>Career opportunities</u>	<u>Visits to Research Infrastructures (in Italy and Slovenia)</u>	<u>Exhibition Open</u>	B2B Open	
11h20 – 13h20	<u>Women in Big Science</u>				
13h20 – 14h15					<u>BSBF2024 Closed</u>
14h15 – 16h15					
16h30 – 18h30					

Day 3 - Visits Research Infrastructures

As usual BSBF Trieste 2024 is organising visits to nearby cross borders relevant Research Infrastructures in Italy and Slovenia. Reservation is restricted to persons registered to BSBF2024

Option 1

Elettra Sincrotrone Trieste & Kyma

Option 2

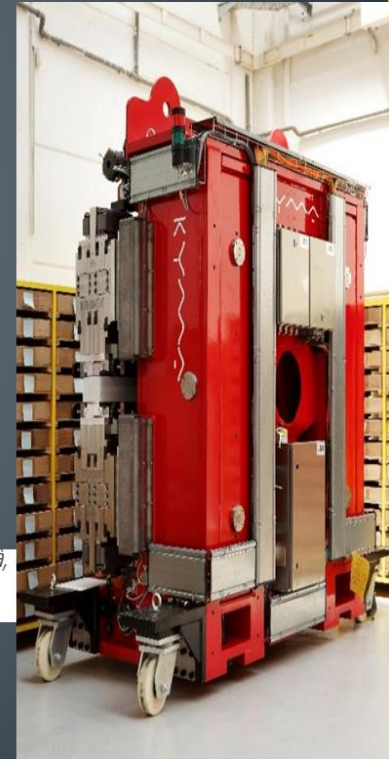
Josef Stefan Institute & Nanocenter

Option 3

The National Institute of Oceanography
and Applied Geophysics – OGS



© Elettra Sincrotrone Trieste, photo by Roberto Barnaba,
Kyma instrumentation



Day 3 – Women in Big Science (WBS) Satellite session

According with the final report on WBS first edition in Granada 2022, BSBF Trieste 2024 strongly supports the proposal to replicate and improve the WBS experience.

For this reason It will be guarantee free access for attending two hours WBS plenary session during Day 3.

Any relative activity will be under the responsibility and directly managed by WBS Committee composed by representative of BSOs and other interested bodies. The organizers of BSBF2024 will collaborate with the WBS Committee.

Day 3 – Career opportunities Satellite session

According with the success of the BSBF2022 session «Career opportunities and pathways in the Big Science Market» in Granada, BSBF Trieste 2024 strongly supports the proposal to replicate and improve the Career opportunities dimension in the Forum.

For this reason It will be guarantee free access for attending two hours Career opportunity plenary session during Day 3, involving speakers from BSOs and other interested stakeholders.

Moreover It has been established a collaboration with the **EURES Network** of European Commission in order to adapt their matching system for Job Fair and a new dedicated section to the Big Science domain.

BSBF Trieste 2024 will collect availabilities from BSOs and companies in order to organise this new initiative.

BSBF Promotion – Presentation in conferences

BSBF Trieste 2024 wants to promote participation and consolidate the BSBF brand in the research and business international context. For this reason It will be present with promotional material in many conferences, where it will have the chance to present BSBF activities.

Those are some events where presence is already planned in **2023**:

- IPAC'23 – International Particle Accelerator Conference
- IOD'23 – Industrial Opportunity Days
- **ISFNT15 – International Symposium on Fusion Nuclear Technology**
- Precision Fair – Brabanthallen, The Netherlands

Please inform BSBF Trieste 2024 on conferences, events or meetings at national or international level in order to organise a brief presentation on BSBF activities and/or disseminate related BSBF2024 material.

BSBF Promotion – BSOs and ILOs

BSBF Trieste 2024 will organise some industrial visits to BSBF infrastructures partners in collaboration with related ILO Network.

BSBF visits Big Science Organizations, a new format for industries:

- A one visiting day to the major research infrastructure in Europe reserved to international companies, including presentations by hosting BSO and BSBF organizers.

Information campaign on this new opportunity for companies to get closer and to know better Big Science will be disseminated jointly by BSOs, ILOs and BSBF channels.

BSBF visits F4E – Fusion for Energy

25th October 2023

ITER Organization: Saint-
Paul-lez-Durance, France

Invitation for European companies:

<https://www.bsbf2024.org/bsbf-visits-f4e-fusion-for-energy/>

Deadline for registration: **25th September 2023**

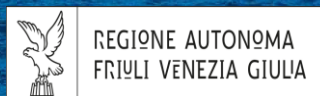
Big Science Business Forum 2024

TRIESTE
1 - 4 OCTOBER
2024
www.bsbf2024.org

BSBF 2024 is a **business oriented congress** promoted by the main **European Research Infrastructures**, focused on technology and innovation with the aim to be the main meeting point between **Research and Industry.**



Host Organisers of BSBF Trieste 2024



Rete Industrial Liaison Officers



IO SONO
FRIULI
VENEZIA
GIULIA

Paolo ACUNZO
IOC/LOC Coordinator
BSBF Trieste 2024 Director
paolo.acunzo@bsbf2024.org