



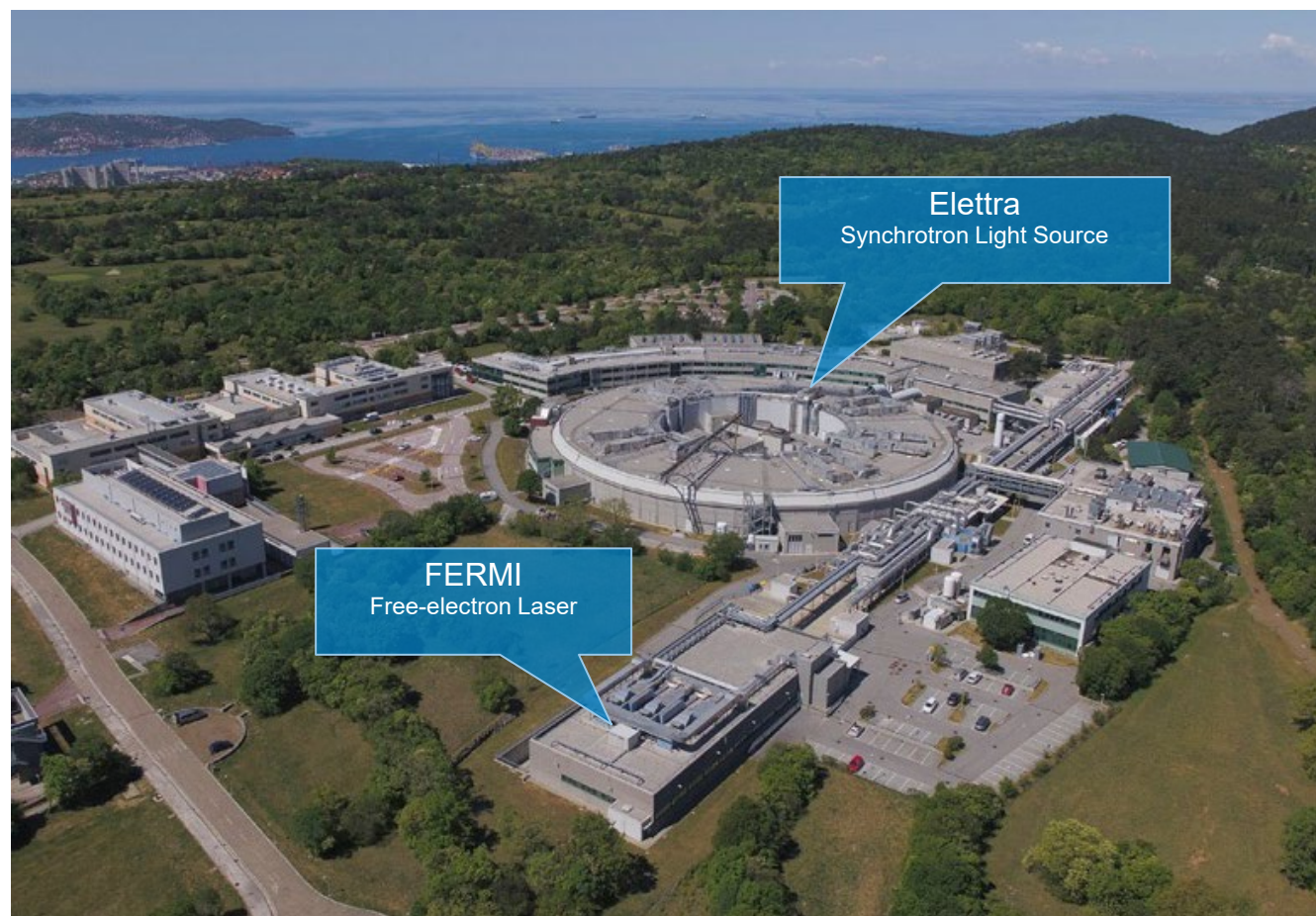
IOD – INDUSTRIAL OPPORTUNITY DAYS

Torino, 12 – 13 giugno 2025

Opportunità per l'industria Italiana ad Elettra
Marco Peleri – Elettra Sincrotrone Trieste

Elettra served the user community for 30 years

- Elettra Sincrotrone Trieste is an international research centre founded in 1986.
- It specializes in the generation of high-quality synchrotron and free electron laser light.
- The light produced is used for both basic and applied research across various scientific fields.



A new 4th generation light source

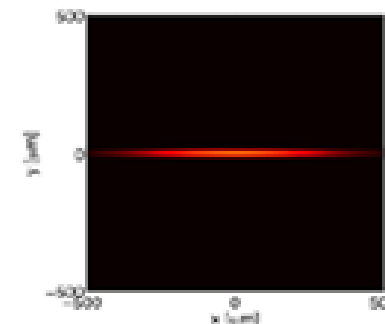
- **Enhanced Signal Detection:**
 - Significantly improved signal-to-noise ratio in transmission and absorption experiments.
- **Faster Data Acquisition:**
 - Reduced measurement times for various spectroscopy and X-ray scattering techniques.
- **Support for Advanced Techniques:**
 - Enables photon-hungry methods like high-pressure diffraction and spin-resolved ARPES.
- **Higher Spatial Resolution:**
 - Improved lateral resolution for spectromicroscopies, including nano-PEEM and nano-ARPES.

Elettra 2.0 Specifications

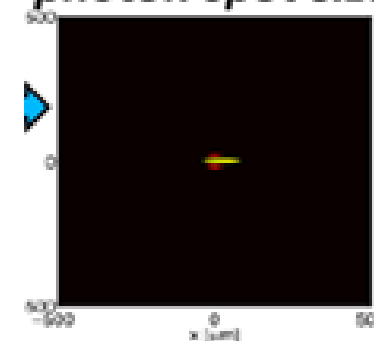
- **fully coherent 1 ps FWHM pulses**
- significant increase in brightness, reduced emittance
- advanced undulator, wiggler and superbend sources
- six-bend achromat with a 12-fold symmetry design

	ELETTRA	ELETTRA 2.0
Beam energy (GeV)	2.4 (25%) --- 2.0 (75%)	2.4 (2.0 for some time)
Photon energies (keV)	0.003-25	0.015-60
e-emittance – coupling (nm-rad)	10 --- 7 -1%	0.212 --- 0.150 -3%
ID slots	11 Long + 1 Short	11 Long + 5 Short
Beam lines (IDs, Dipoles) (#)	28 (19, 9)	32 (25 3 IVU, 7 3-4 from 3SB)
e-beam size at LS (σ_x , σ_y) (μm)	286, 16	36, 6
Brilliance (ph / s / mm ³ / mrad ² / 0.1%bw)	2×10^{19}	10^{22}
Coherence ratio at 1keV (%)	0.5	30
e-intensity (mA)	160 --- 310	400
Lattice-symmetry	2BA – 12fold	S6BA-E(nhanced) – 12fold
Fill patterns	Multi-bunch, single or few bunch, hybrid	Any

Elettra ID
photon spot size

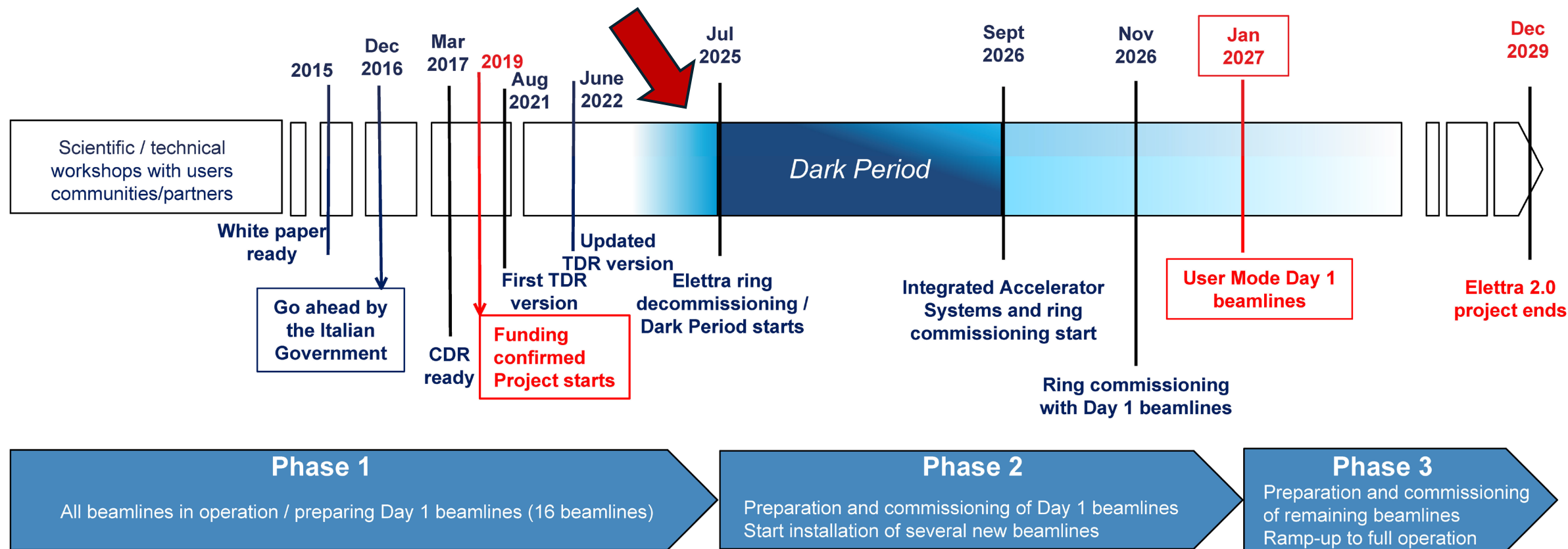


Elettra 2.0 ID
photon spot size



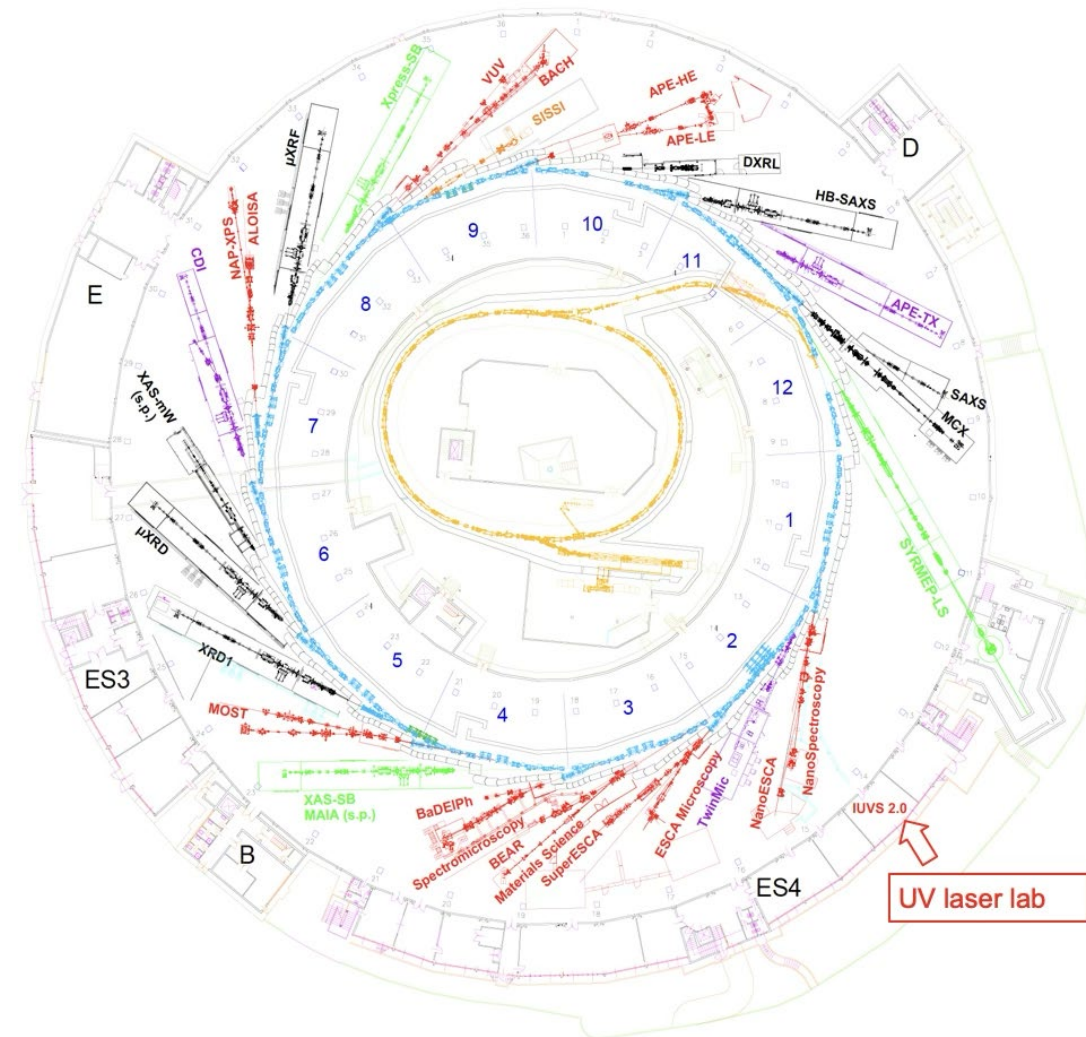


Project timeline



Project Budget

- **Elettra Overall Budget:** 200 M€
- **Still to be Committed:** ~ 30 M€
- **Additional Partners Budget:** > 50 M€



Procurement 1/3

Open Procedures:

Gara europea a procedura aperta soprasoglia per l'affidamento della fornitura di numero 422 (quattrocentoventidue) unità di distribuzione delle alimentazioni (PDU) per gli armadi standard 19" di Elettra 2.0

Gara europea a procedura aperta soprasoglia per l'affidamento della fornitura di n. 106 (centosei) rack allestiti con convertitori di potenza per i magneti dell'anello di accumulazione di Elettra 2.0.

Procurement 2/3

REMAINING MAJOR PROCUREMENTS (ABOVE 1 M€)	
Year	Item
2025	Cabling for accelerator
2025	Transport optics for CDI beamline
2026	XAS-mW new beamline
2026	New endstation (detector included) for μ XRF
2028	SISSI new beamline photon transport
2028	XRD1 new detector
2028	Solid state RF amplifier for the Booster

Procurement 3/3

Other procurement procedures under 1 M€ to be issued:

Beam Transport for CDI Beamline

Beam Transport for HB-SAXS Beamline

Optical components for Soft X rays beamlines

Medical device for SYRMEP Life Science

Radioprotection Hutches for several beamlines

... many others



ty

Purchase Office

estNet Request


E

[Home](#) [About us](#) [User Area](#) [Lightsources & Laboratories](#) [Science](#) [Technology](#) [Industry](#) [Intranet](#)

IT

Discover the new Elettra 2.0 upgrade project

The Elettra 2.0 upgrade is designed to significantly enhance the brilliance and coherence of the X-ray source, surpassing the capabilities of the current Elettra facility.

[Access and Visits](#)[Careers](#)[Contacts](#)[Payments](#)[Security and Safety](#)[Purchase Office](#)[Radiation Protection](#)[News](#)[Top Stories](#)[VUO](#)[Internal News](#)[Intranet](#)[Internal Services](#)[ST-GuestNet Request](#)[Emergency management](#) [CRAL](#)

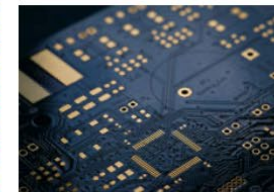
ELETTRA



FERMI



User Area



Industrial Liaison Office



ELETTRA 2.0

Browser address bar: elettra.eu

Elettra Sincrotrone Trieste
1993 - 2023 | 30 years of light

Home About us User Area Lightsources & Laboratories Science Technology

Approvvigionamenti

Bandi e avvisi di gara

- [Gare telematiche su piattaforma condivisa](#)
- [Aperti / Open](#)
- [Scaduti in atto / Expired](#)
- [Conclusi / Closed](#)

Determinazioni

- [2023](#)
- [2022](#)
- [2021](#)
- [2019](#)
- [2018](#)
- [2017](#)
- [2016](#)

Albo fornitori

<https://albofornitori.elettra.eu/>

Link utili

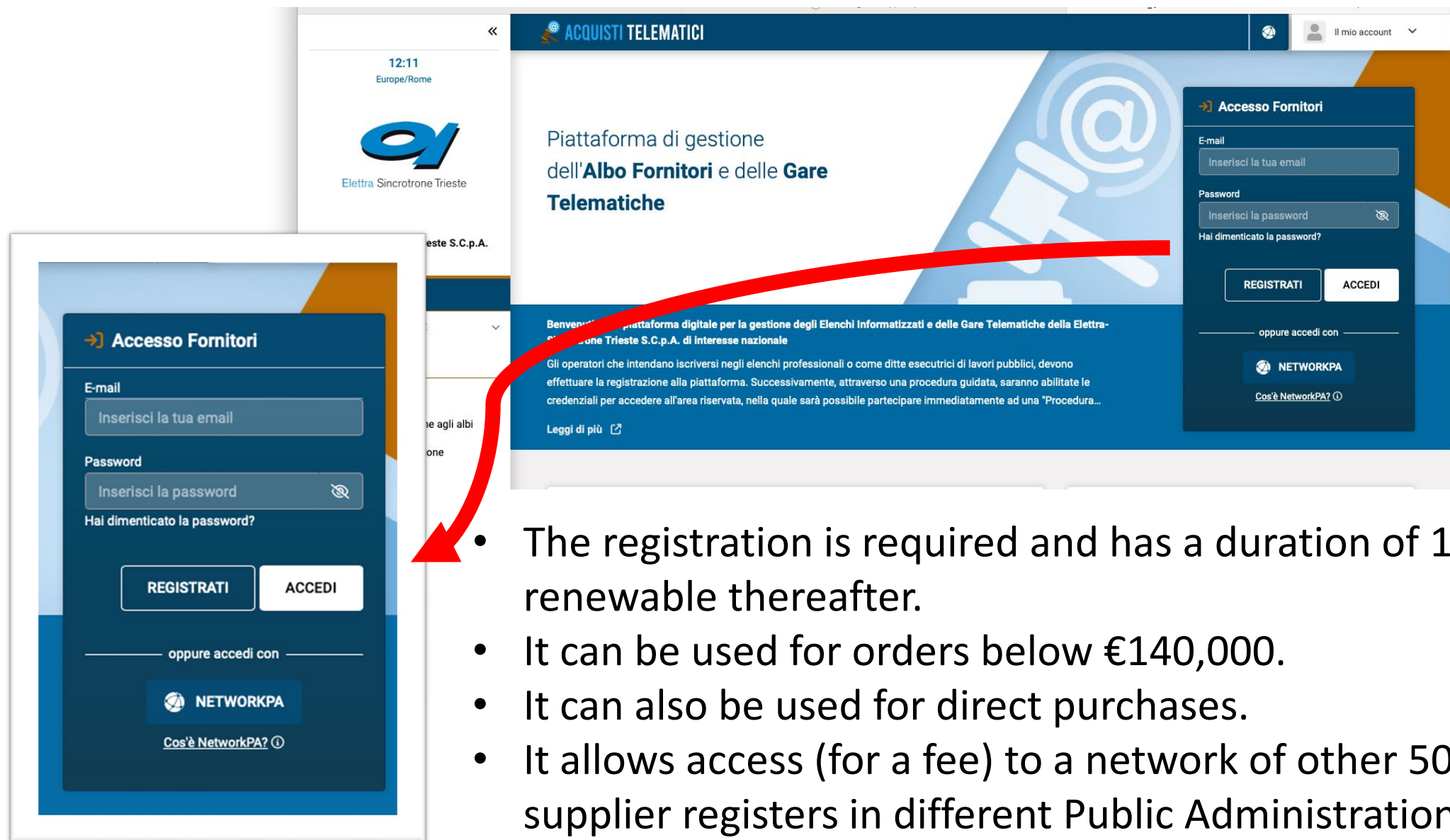
- [Best Practice Approvvigionamenti](#)

Last Updated on Friday, 29 September 2023 15:17 - Modified by Donatella Chicco

Albo fornitori

- <https://albofornitori.elettra.eu/>





12:11
Europe/Rome

ACQUISTI TELEMATICI

Piattaforma di gestione
dell'**Albo Fornitori** e delle **Gare Telematiche**

Accesso Fornitori

E-mail
Inserisci la tua email

Password
Inserisci la password

Hai dimenticato la password?

REGISTRATI **ACCEDI**

oppure accedi con

NETWORKPA

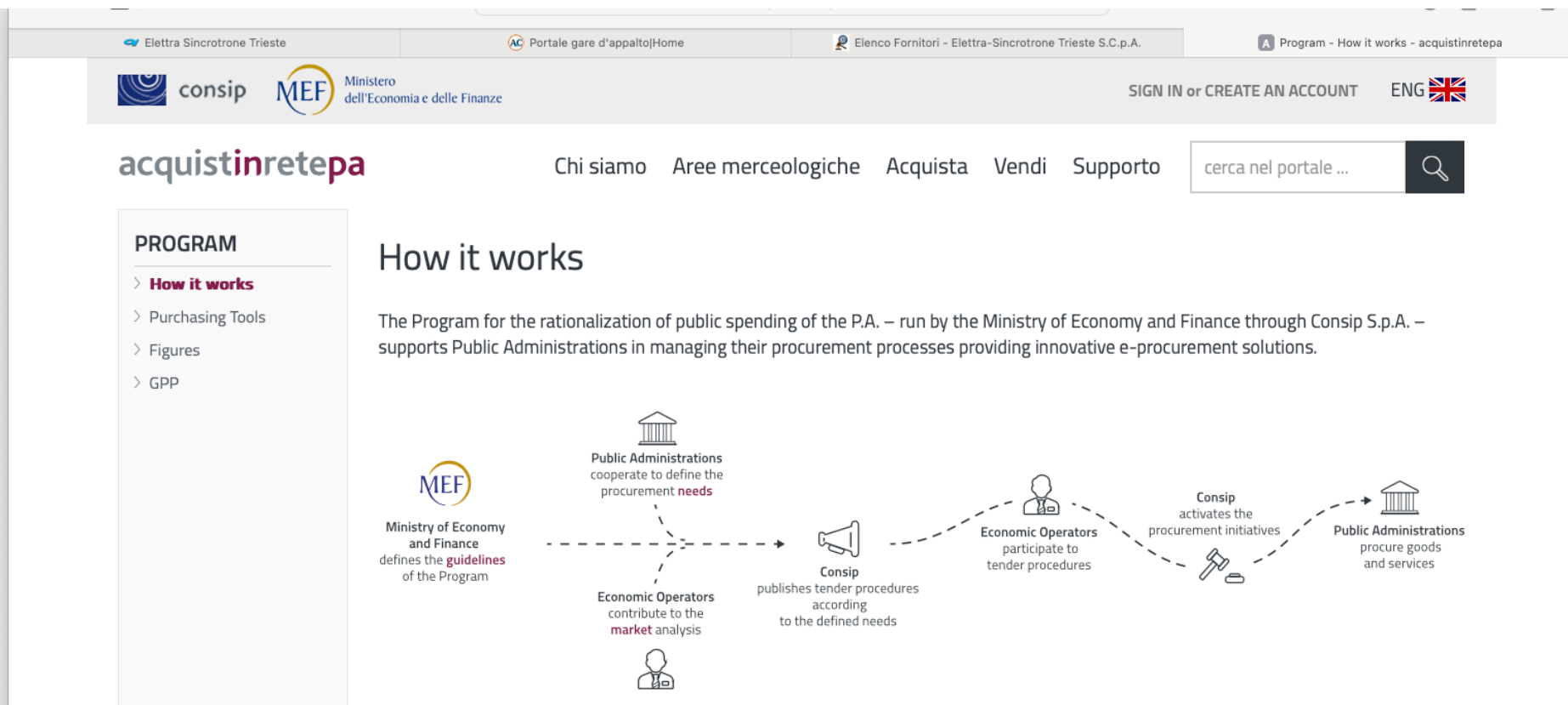
[Cos'è NetworkPA?](#)

Benvenuti sulla piattaforma digitale per la gestione degli Elenchi Informatizzati e delle Gare Telematiche della Eletttra Sincrotrone Trieste S.C.p.A. di interesse nazionale

Gli operatori che intendano iscriversi negli elenchi professionali o come ditte esecutrici di lavori pubblici, devono effettuare la registrazione alla piattaforma. Successivamente, attraverso una procedura guidata, saranno abilitate le credenziali per accedere all'area riservata, nella quale sarà possibile partecipare immediatamente ad una "Procedura..."

[Leggi di più](#)

- The registration is required and has a duration of 1 year, renewable thereafter.
- It can be used for orders below €140,000.
- It can also be used for direct purchases.
- It allows access (for a fee) to a network of other 500 supplier registers in different Public Administrations (P.A.)



The screenshot shows the website **acquistiretepa**, which is a platform for public procurement. The header includes logos for **consip** and **MEF** (Ministero dell'Economia e delle Finanze), along with navigation links like "SIGN IN or CREATE AN ACCOUNT" and "ENG". The main navigation bar includes "Chi siamo", "Aree merceologiche", "Acquista", "Vendi", and "Supporto". A search bar is present with the text "cerca nel portale ...".

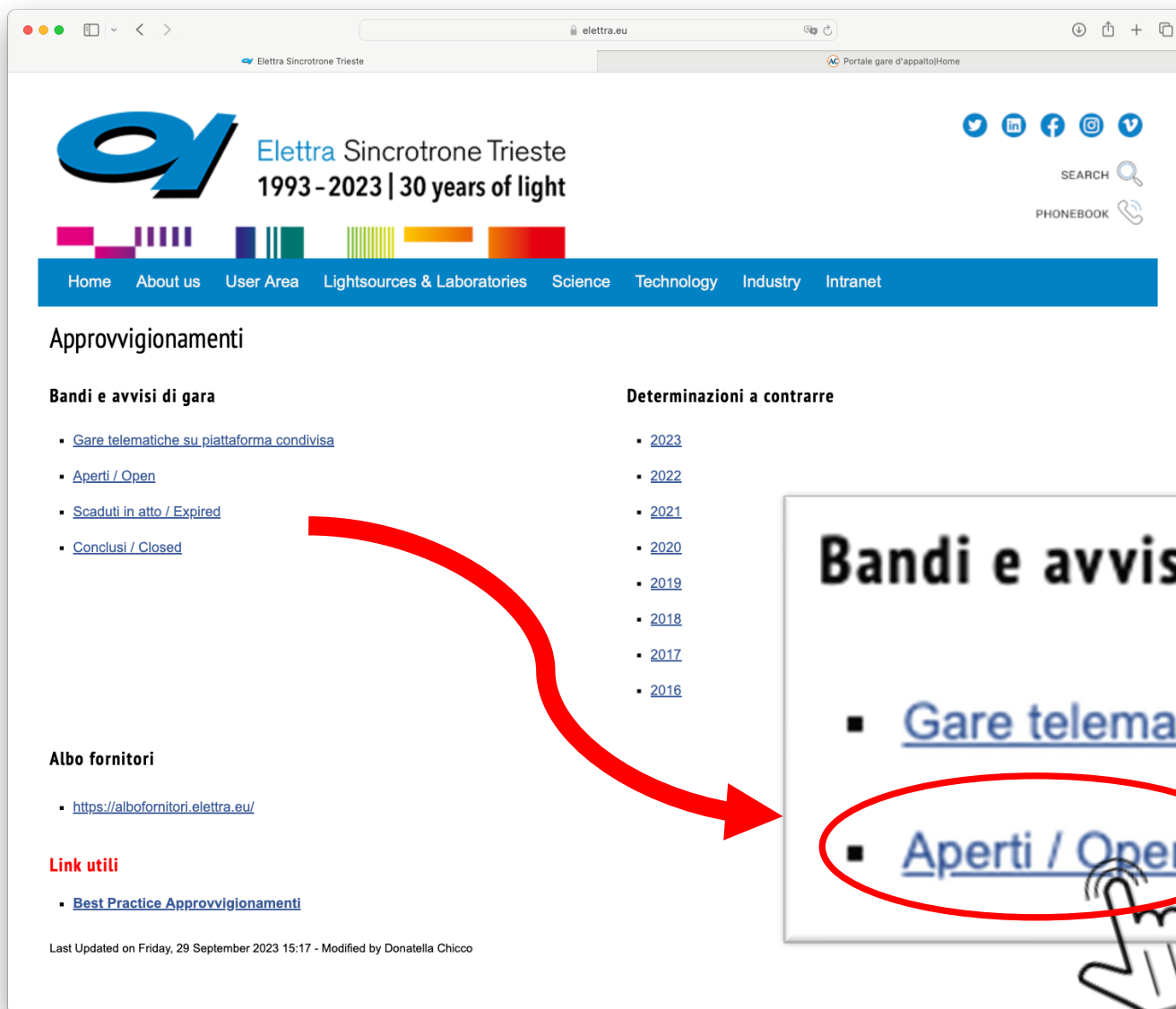
The **PROGRAM** section on the left lists:

- > **How it works**
- > Purchasing Tools
- > Figures
- > GPP

The **How it works** section features a diagram illustrating the procurement process:

- Ministry of Economy and Finance** defines the **guidelines** of the Program.
- Public Administrations** cooperate to define the **procurement needs**.
- Economic Operators** contribute to the **market analysis**.
- Consip** publishes tender procedures according to the defined needs.
- Economic Operators** participate to tender procedures.
- Consip** activates the procurement initiatives.
- Public Administrations** procure goods and services.

For computer purchases (SW and HD), Elettra is required to make them through the M.E.P.A. (Electronic Market for Public Administrations) if the product is available there; otherwise, a resolution from the Board of Directors is needed to go to the market.



The screenshot shows the Elettra Sincrotrone Trieste website. The header includes the logo, the text 'Elettra Sincrotrone Trieste 1993-2023 | 30 years of light', and a navigation bar with links: Home, About us, User Area, Lightsources & Laboratories, Science, Technology, Industry, and Intranet. The main content area is titled 'Approvvigionamenti' and is divided into two columns. The left column, 'Bandi e avvisi di gara', contains links for 'Gare telematiche su piattaforma condivisa', 'Aperti / Open', 'Scaduti in atto / Expired', and 'Conclusi / Closed'. The right column, 'Determinazioni a contrarre', contains a list of years from 2016 to 2023. Below these columns is the 'Albo fornitori' section with a link to 'https://albofornitori.elettra.eu/'. At the bottom, there is a 'Link utili' section with a link to 'Best Practice Approvvigionamenti'. A red arrow points from the 'Aperti / Open' link in the 'Bandi e avvisi di gara' section to a magnified view of the same link.

Elettra Sincrotrone Trieste
1993-2023 | 30 years of light

Home About us User Area Lightsources & Laboratories Science Technology Industry Intranet

Approvvigionamenti

Bandi e avvisi di gara

- [Gare telematiche su piattaforma condivisa](#)
- [Aperti / Open](#)
- [Scaduti in atto / Expired](#)
- [Conclusi / Closed](#)

Determinazioni a contrarre

- [2023](#)
- [2022](#)
- [2021](#)
- [2020](#)
- [2019](#)
- [2018](#)
- [2017](#)
- [2016](#)

Albo fornitori

- <https://albofornitori.elettra.eu/>

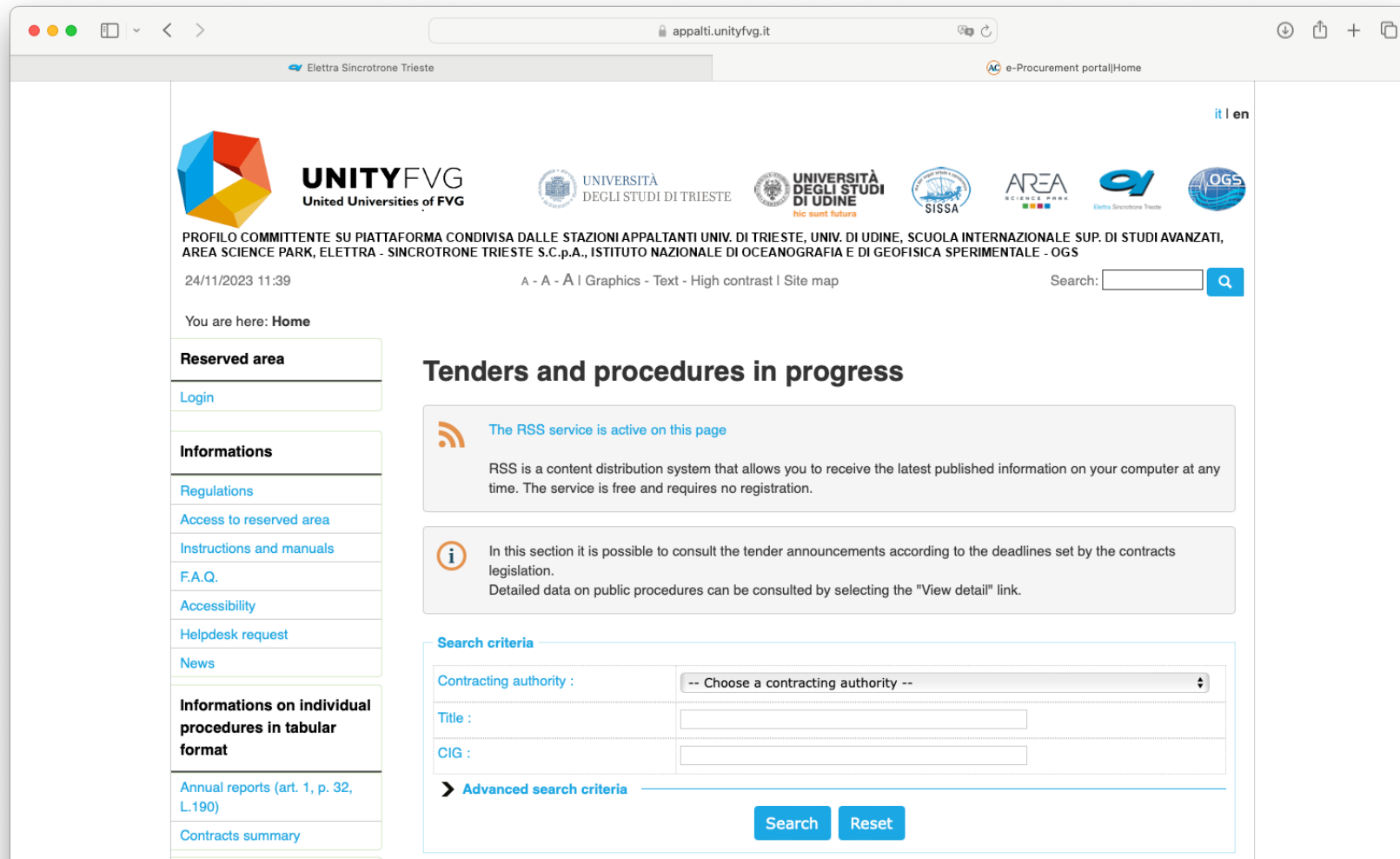
Link utili

- [Best Practice Approvvigionamenti](#)

Last Updated on Friday, 29 September 2023 15:17 - Modified by Donatella Chicco

Bandi e avvisi di gara

- [Gare telematiche su piattaforma condivisa](#)
- [Aperti / Open](#)



The screenshot shows the 'appalti.unityfvg.it' e-Procurement portal. The header includes the 'UNITYFVG United Universities of FVG' logo and a list of partner institutions: Università degli Studi di Trieste, Università degli Studi di Udine, SISSA, AREA Science Park, Elettra Sincrotrone Trieste, and OGS. The main content area is titled 'Tenders and procedures in progress' and features an RSS service notice and an information box about tender announcements. A search criteria section is visible at the bottom, with fields for 'Contracting authority', 'Title', and 'CIG', and buttons for 'Search' and 'Reset'.

Telematic platform used by Elettra and shared with other FVG public administrations.

- Registration is required even if you are already registered in Elettra's suppliers' register.
- Registration enables participation in tenders from other contracting stations.
- Manuals are available for registration and platform usage
- You can also contact the call centre at +39 0422267755


UNITY
United University

 PROFILO COMMITTENTE SU PIATTAF
AREA SCIENCE PARK, ELETTRA - SIM

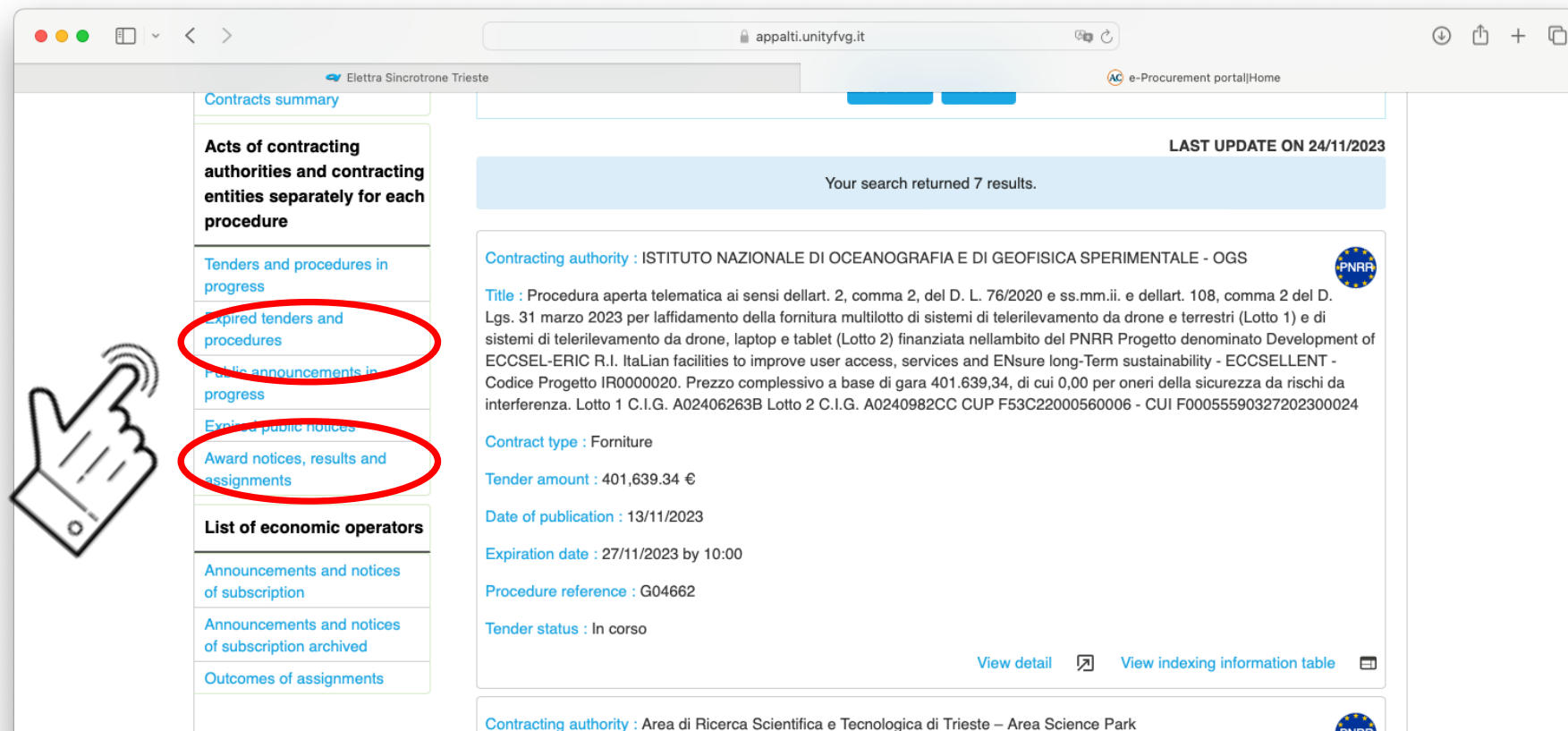
24/11/2023 11:39

You are here: [Home](#)

Reserved area

[Login](#)

 Informations
 
[Regulations](#)
[Access to reserved area](#)
[Instructions and manuals](#)
[F.A.Q.](#)
[Accessibility](#)
[Helpdesk request](#)
[News](#)



appalti.unityfvg.it

Eletttra Sincrotrone Trieste

e-Procurement portal|Home

Contracts summary

Acts of contracting authorities and contracting entities separately for each procedure

Tenders and procedures in progress

Expired tenders and procedures

Public announcements in progress

Expired public notices

Award notices, results and assignments

List of economic operators

Announcements and notices of subscription

Announcements and notices of subscription archived

Outcomes of assignments

LAST UPDATE ON 24/11/2023

Your search returned 7 results.

Contracting authority : ISTITUTO NAZIONALE DI OCEANOGRAFIA E DI GEOFISICA SPERIMENTALE - OGS

Title : Procedura aperta telematica ai sensi dellart. 2, comma 2, del D. L. 76/2020 e ss.mm.ii. e dellart. 108, comma 2 del D. Lgs. 31 marzo 2023 per l'affidamento della fornitura multilotto di sistemi di telerilevamento da drone e terrestri (Lotto 1) e di sistemi di telerilevamento da drone, laptop e tablet (Lotto 2) finanziata nellambito del PNRR Progetto denominato Development of ECCSEL-ERIC R.I. Italian facilities to improve user access, services and ENSure long-Term sustainability - ECCSELLENT - Codice Progetto IR0000020. Prezzo complessivo a base di gara 401.639,34, di cui 0,00 per oneri della sicurezza da rischi da interferenza. Lotto 1 C.I.G. A02406263B Lotto 2 C.I.G. A0240982CC CUP F53C22000560006 - CUI F00055590327202300024

Contract type : Forniture

Tender amount : 401,639.34 €

Date of publication : 13/11/2023

Expiration date : 27/11/2023 by 10:00

Procedure reference : G04662

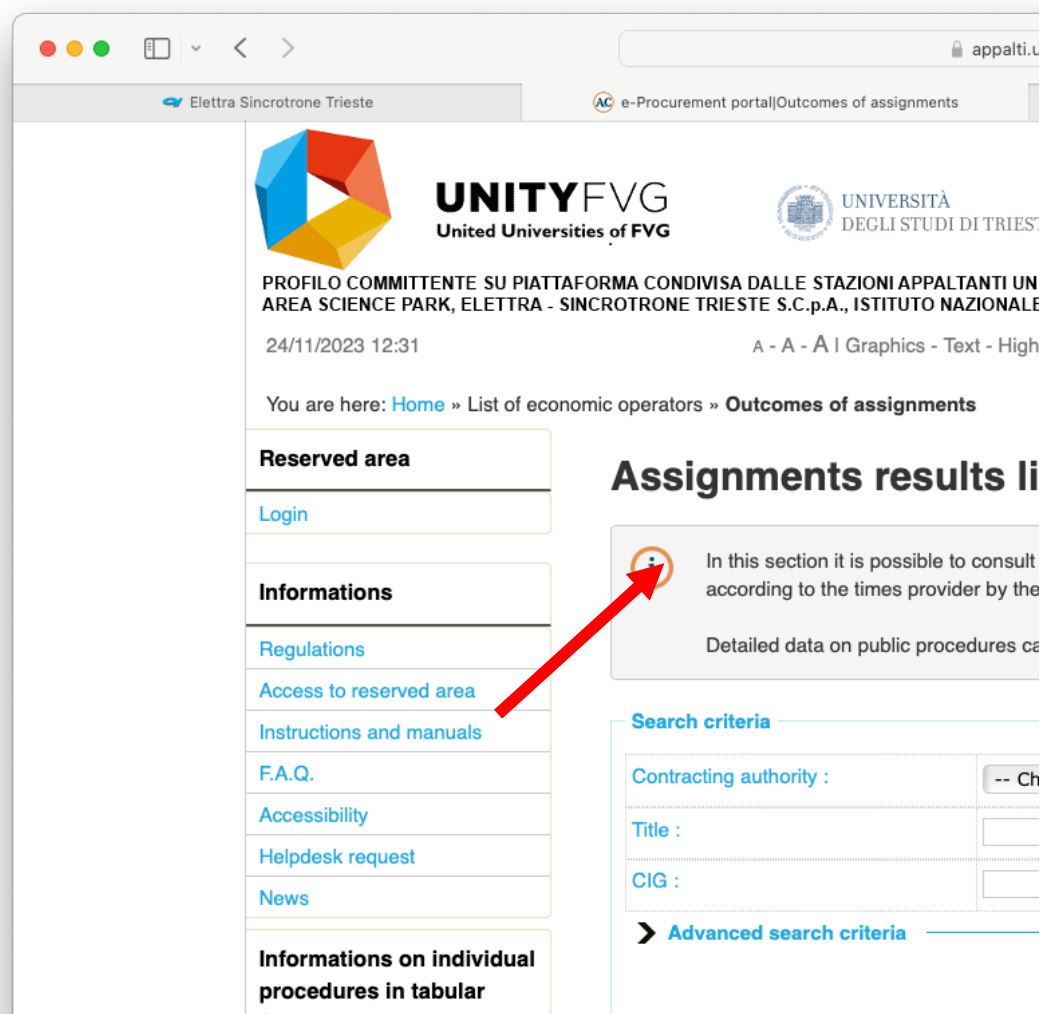
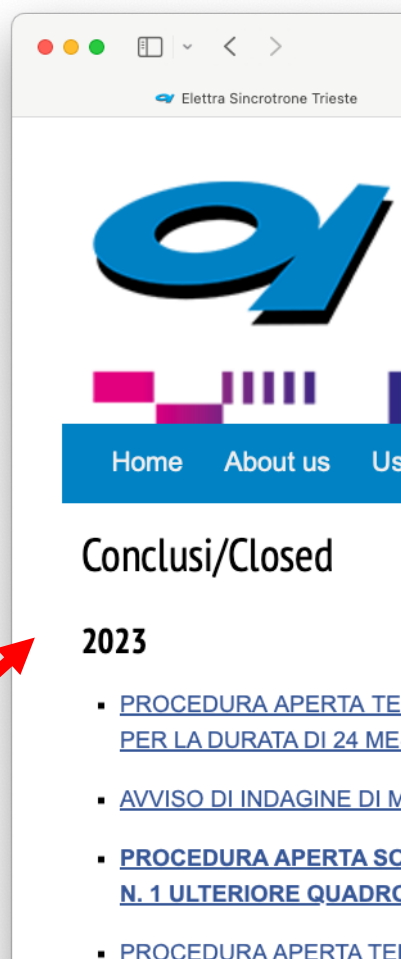
Tender status : In corso

View detail

View indexing information table

Contracting authority : Area di Ricerca Scientifica e Tecnologica di Trieste – Area Science Park

Eletttra's tenders are also published on Eletttra's website. Additionally, those above the EU threshold are published in the Official Journal of the European Union.



The outcomes/results of Elettra's tenders are published on Elettra's website and on the UNITY FVG platform.

Procurement by Partners



<https://www.cnr.it/it/trasparenza/bandi-gara-contratti/2025>



<https://www.ceric-eric.eu>



<https://www.tugraz.at/>

Keyword: Elettra 2.0

Organizzato da



ILO
Network
Italia
Rete Industrial Liaison Officers



CENTRO ESTERO INTERNAZIONALIZZAZIONE
PIEMONTE
Agency for Investments, Export and Tourism
Provided by Regione Piemonte and Chambers of Commerce

Finanziato da



TORINO
CHAMBER OF COMMERCE
INDUSTRY CRAFTS AND AGRICULTURE

Con il patrocinio di



REGIONE
PIEMONTE



Elettra
Sincrotrone
Trieste



Marco Peloi

Head of Industrial Liaison Office
Elettra Sincrotrone Trieste

marco.peloi@elettra.eu