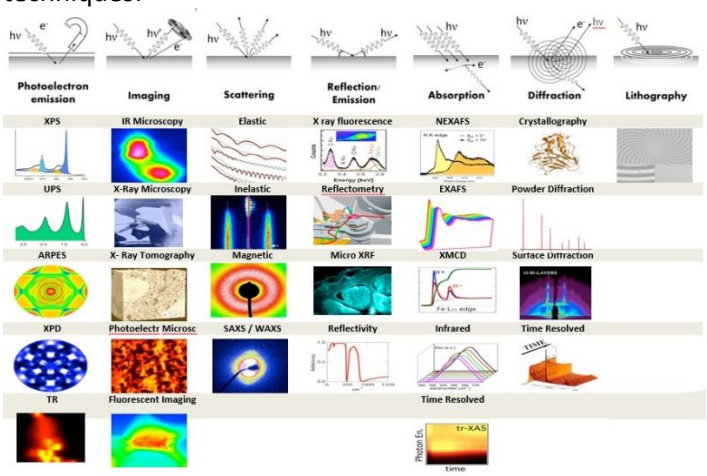
Inventory of experimental and theoretical resources available for NanoSpace COST Action	
Country:	Italy
Name of Institution/Laboratory:	Elettra Sincrotrone Trieste / Elettra & FERMI facilities
Contact information (name, e-mail):	Luca Petaccia, luca.petaccia@elettra.eu Marcello Coreno, marcello.coreno@elettra.eu Claudio Masciovecchio, claudio.masciovecchio@elettra.eu
Website:	www.elettra.eu
Short description **(max 0.5 page)** of available techniques (experiment or theory): If appropriate, please include 1 picture/figure and caption highlighting resources.	At the Elettra 3rd generation synchrotron light laboratory, 28 beamlines offer a wide variety of experimental techniques:  At the FERMI seeded free electron laser (FEL) facility, 6 beamlines offer a number of time-resolved techniques, including coherent diffraction imaging (DIPROI), absorption and elastic scattering from materials under extreme conditions (EIS-TIMEX), gas phase and cluster spectroscopy (LDM), inelastic and transient grating spectroscopy (EIS-TIMER), terahertz applications (TeraFERMI), and magneto dynamical study (MagneDyn).
Sample/target description (e.g. gas, clusters, solid,…):	Gas, solid, clusters,… depending on the beamline and technique required.
How to access to experimental/computational resources (e.g. through collaboration, user facility proposal calls,….):	Beamlines at the Elettra synchrotron and at the FERMI seeded free electron laser (FEL) facilities can be accessed through User proposal calls, collaboration, and ILO.
References **(max 5)**:	A. Franciosi *et al.*, Eur. Phys. J. Plus **138**, 79 (2023). DOI: 10.1140/epjp/s13360-023-03654-6