



ALISTORE ▶
European research institute

***ALISTORE European Research Institute
&
ALISTORE European Industry Club***

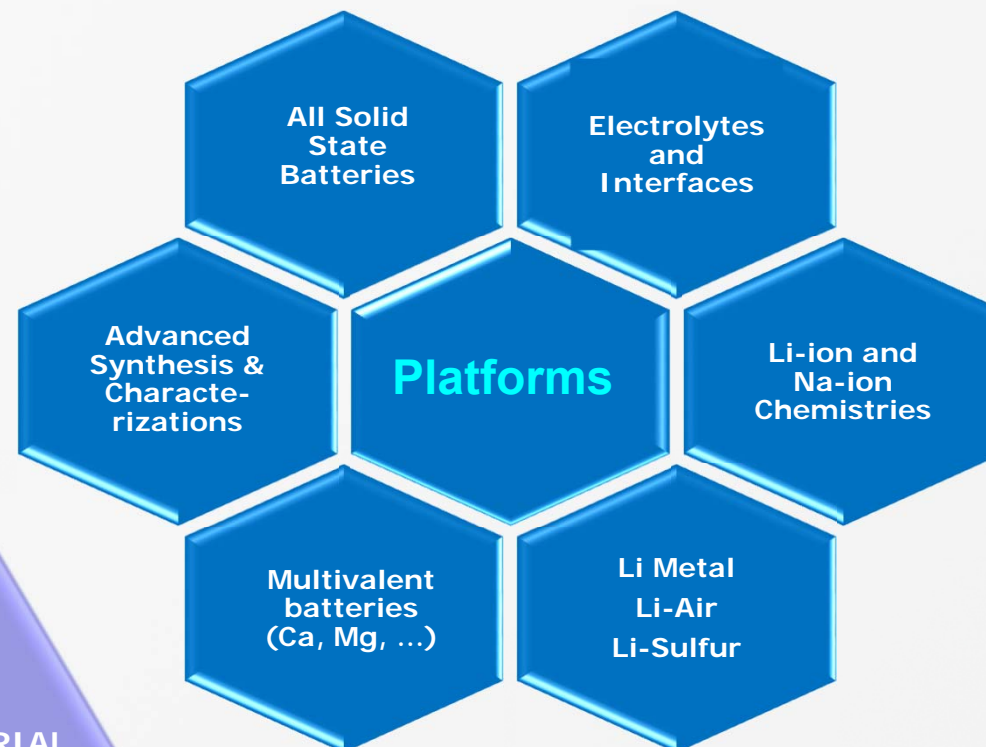
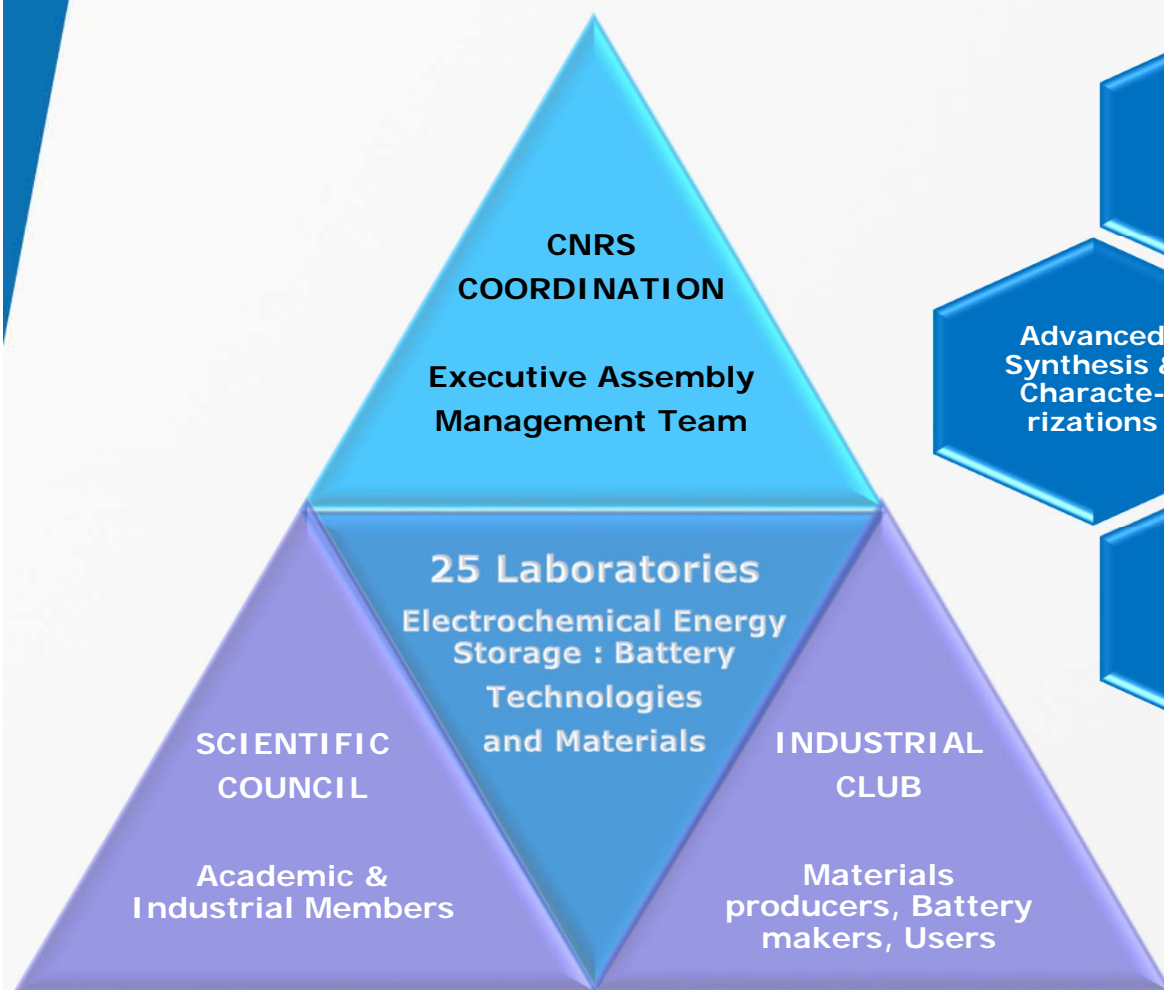
www.alistore.eu

Academic Members



25 laboratories in 11 Countries
Excellence in all aspects of battery research

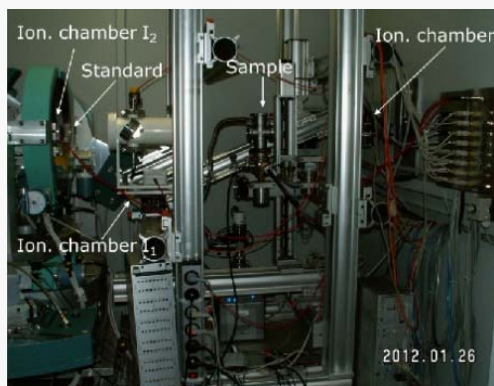
Structure and Activities



PLATFORMS



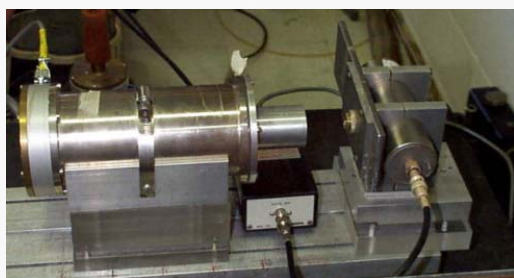
NMR platform



XANES/EXAFS platform



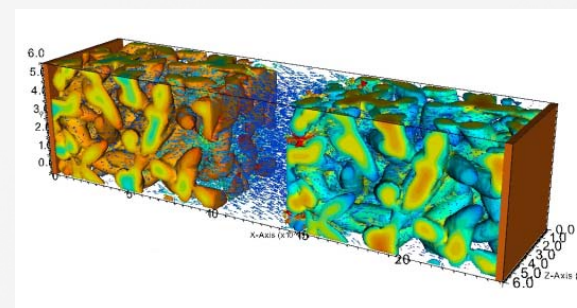
Microscopy platform



Mössbauer platform



Benchmarking platform



Theory/Modelling platform

- Assets to be part of ALISTORE-ERI:

- **Take part in the scientific activity and major events** of ALISTORE-ERI
- **Take benefit from** high quality scientific equipment from partners
- **Propose PhD and Post-Doc topics** to be funded by ALISTORE-ERI via biannual open calls
- **Do academic and industrial networking**
- **Get assistance in the field of IP and contract matters.**

- Duties

- **Shall pay an annual Membership fee of € 5,000**
- **Shall contribute to the ALISTORE-ERI scientific activity**



Currently 5 members

SILVER group

25,000€ /year

Intellectual Property (IP) Policy

From Lab innovations to commercial products... ??

- **ALISTORE-ERI patent portfolio** is available to the ALISTORE Industry Club
- Option to License/Licensing-out mechanism

ALISTORE-ERI Labs



ALISTORE
Patent
manager

ALISTORE Industry Club Partners



IP rights owners: Academic Institutions

ALISTORE-ERI PATENT PORTFOLIO

- **25 families** of patents – **6** still ACTIVE and AVAILABLE
- Priority given to ALISTORE-ERI Industry Club Partners as of the priority date!
- Information available on www.alistore.eu (secured website)
 - Title of the patent application
 - Inventors - Key words
 - Filing date
 - Confidential Documents (Abstracts)

- **Education (Master MESC+)**
 - > 250 graduated students from 42 countries
 - 152 applications in 2015 vs. 71 in 2006
- **Education (PhD DESTINY)**
 - 7 M€ proposal submitted to EU (Marie Curie COFUND)
- **Research**
 - 26 European Laboratories right now
 - 110 Researchers, >150 publications, 24 White Papers
 - 18 joint Post-Doc projects financed within ALISTORE
 - 28 Joint ALISTORE PhDs already graduated
- **Innovation**
 - 25 patent families
 - 6 Industry Club partners (2 more to come)

Education Programme: MESC & MESC+



- ERASMUS MUNDUS 1 (2005-2010)
- ERASMUS MUNDUS 2 (2010-2015)
- **ERASMUS MUNDUS EMJMD (2018-2024)**

<https://www.u-picardie.fr/mundus-mesc/>

- **2-year International Program (3 semesters of Class, 6-months research thesis)**

Inorganic chemistry

Electrochemistry

Nanomaterials

Characterisation techniques: XRD, Microscopy, Thermal analysis,...

Thermodynamics

Crystallography

Energy/hydrogen storage

Intellectual Property

- **7 Universities as partners**

Amiens & Toulouse (FRANCE)

Bilbao Pais Vasco (SPAIN)

Warsaw (POLAND)

Ljubljana (SLOVENIA)

Deakin (AUSTRALIA), Drexel (USA)

- **Strong connections with all ALISTORE members**

















*MSc theses/PhDs at **ALISTORE Labs** or in the facilities of our*

Industry Club members. DESTINY project submitted....



PhD Education Programme: DESTINY (Marie Curie COFUND Action)

Universities

St Andrews	Nantes	Oxford	Bordeaux	Pau	Uppsala	Cambridge	Bath	Göteborg	Delft	Montpellier	Amiens	Toulouse
												
Warsaw	Graz	Copenhagen										
												

Research Centres, European & National Networks, Large Scale Facilities, National Agencies, Regional Councils

CNRS	ELETTRA	CIC Energigune	NIC	Jülich	ALISTORE	IMN CLAIO	Pays de la Loire	CSIC	CEA	ILL	RS2E	SOLEIL
												

Companies

TOYOTA	SAFT	SOLVAY	UMICORE	LITHIUM BALANCE	FCT System	TIAMAT	SHELL International	PKN ORLEN	VOLVO CARS	RENAULT		
												

11 Countries

16 Universities, 6 Research Centers, 11 Companies, 3 Large Scale facilities

Applied for 53 PhD positions in Europe, Sept. 27th 2018
7.5 M € (4.2 From EU, 3.3 from Co-funders)

White Papers 2007-2019

22 White papers were delivered and presented during our biannual meetings. Here are below the most recent ones.

#	Del	White Papers	Responsible
24	Dec 2019	Fast Charging Materials for High Power Applications	Andrea Balducci, Jena
23	June 2019	Polymers for Solid State Batteries	Daniel Brandell, Jonas Mindemark, Uppsala
22	June 2018	Toward High-Performance Lithium Metal Electrode in Liquid Electrolyte Rechargeable Batteries	Laure Monconduit, Montpellier Frédéric Le Cras, Bordeaux
21	Dec 2017	Ageing in Li-ion batteries	Rosa Palacín, Barcelona
20	June 2017	Aqueous batteries	Laurence Croguennec, Bordeaux Rosa Palacín, Barcelona

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