



ALISTORE ▶
European research institute

BATTERY RESEARCH & EDUCATION

40+ PARTNERS
12 EUROPEAN COUNTRIES



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European research institute

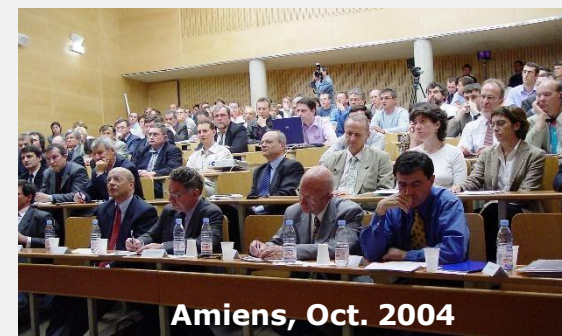
What we are

A Small history of ALISTORE



Launched in 2004 as a
European Network of
Excellence, a five years project

- **Key Players** : J. M. Tarascon, B. Scrosati, W. Wieczorek, P. Bruce, P. Novak, J. Thomas, A. Chadwick
- **Vision (in 2004 !!) : create a Battery Momentum in Europe for Close Collaborations and privileged links between Laboratories to the benefit of the younger generation, including “younger” already active collaborators (R. Palacin, R. Dominko, C. Grey, P. Simon, P. Johansson, K. Edström, L. Croguennec, L. Monconduit, E. Kelder, A.R. Armstrong, R. Dedryvère, M. Gaberscek, M.S. Islam, M. Morcrette, M. Casas-Cabanas, A. Franco, S. Corr, etc....)**





- Continued as a self-funded European Research Institute
- **Directors:** Rosa Palacin (ICMAB Barcelona) and Patrice SIMON (CIRIMAT Toulouse) from 2010 till 2017





A-ERI in numbers (over 20 years...)

- 30 White Papers
- 40 PhD grants funded
- 40 years of Post Doc / 23 Post-Doc funded
- 38 bi-annual meetings (All over Europe)
- ERC holders

Freunberger, Salanne, Tarascon, Franco, Ponrouch,
Merlet, Simon, Brandell, Wagemaker, Zhang,



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Who we are



Directed
From
2018 to
2025



Patrik
JOHANSSON



Christian
MASQUELIER



Robert
DOMINKO



Daphné
BOURSIER



Directed As from 2025



Lorenzo
STIEVANO



Montserrat
CASAS-CABANAS



Matteo
BIANCHINI



Daphné
BOURSIER

FRANCE



LRCS AMIENS
ICMCB UNIVERSITY OF BORDEAUX
ICGM MONTPELLIER
IMN NANTES
IPREM PAU
CIRIMAT UNIVERSITE TOULOUSE III
SORBONNE UNIVERSITE PARIS
RENAULT
SAFT

UNITED KINGDOM



UNIVERSITY OF BATH
UNIVERSITY OF CAMBRIDGE
UNIVERSITY OF KENT
UNIVERSITY OF OXFORD
UNIVERSITY OF SAINT ANDREWS
UNIVERSITY COLLEGE OF LONDON

NETHERLANDS



TU DELFT
UNIVERSITY OF TWENTE

BELGIUM



UMICORE
SOLVAY

SWEDEN



CHALMERS UNIVERSITY
UPPSALA UNIVERSITY

AUSTRIA



TU GRAZ
IST AUSTRIA KLOSTERNEUBURG

NORWAY



UNIVERSITY OF OSLO

SPAIN



ICMAB-CSIC BARCELONA
CIC ENERGIGUNE VITORIA-GASTEIZ
CIDETEC DONOSTIAN-SAN-SEBASTIAN

DENMARK



DTU TECHNICAL
UNIVERSITY OF
DENMARK LYNGBY

GERMANY



UNIVERSITY OF JENA
FORSCHUNGSZENTRUM JÜLICH
UNIVERSITY OF BAYREUTH
JUSTUS-LIEBIG-UNIVERSITÄT GIESSEN

POLAND



WARSAW UNIVERSITY
OF TECHNOLOGY

SLOVENIA



NATIONAL INSTITUTE OF
CHEMISTRY

ITALY



UNIVERSITY OF ROME
LA SAPIENZA

IRELAND

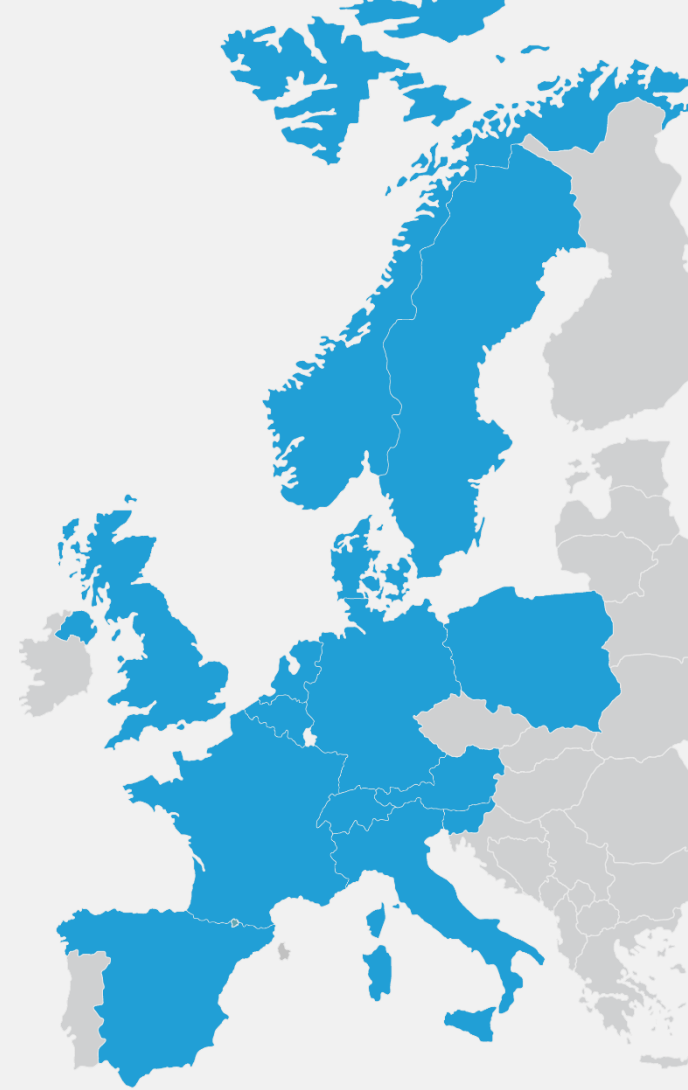


UNIVERSITY COLLEGE
OF DUBLIN

SWITZERLAND



EMPA



UNIVERSITY OF TWENTE



www.eri.fr





Bi-Annual Meetings

2026
Oxford
??

2025
Montpellier
La Coruña

2024
Göteborg
Zürich

2023
Toulouse
Roma

2022
Jülich
Vienna

2021
Online
Amiens

2020
Online
Online

2019
Vitoria
Barcelona

2018
Bohinj
Uppsala

2017
Bath
Amiens

2016
Brussels
Warsaw

2015
Graz
Pau

2014
Delft
Madrid

2013
Göteborg
Bordeaux

2004
Amiens
Delft

2005
Bordeaux
Warsaw

2006
Biarritz
Rome

2007
Uppsala
Barcelona

2008
St-Andrews
Cordoba

2009
Otocec
Toulouse

2010
Canterbury
Montpellier

2011
Warsaw
Marseille

2012
Nantes
UMICORE





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Principal Investigators





Rosa PALACIN
ICMAB/CSIC - SPAIN



Alexandre PONROUCH
ICMAB/CSIC - SPAIN



Laurence CROGUENNEC
UNIVERSITY OF
BORDEAUX - FRANCE



Dany CARLIER
UNIVERSITY OF
BORDEAUX - FRANCE



Benjamin MORGAN
UNIVERSITY OF
BATH UK



Christian MASQUELIER
LRCS – FRANCE



Alejandro FRANCO
UPJV- FRANCE



Clare GREY
CAMBRIDGE
UNIVERSITY - UK



Israel TEMPRANO
CAMBRIDGE
UNIVERSITY - UK



**Montserrat
CASAS CABANAS**
CIC energiGUNE -
SPAIN



Andriy KVASHA
CIDETEC - SPAIN



Elixabete AYERBE
CIDETEC - SPAIN



Julia MAIBACH
CHALMERS
UNIVERSITY SWEDEN



Erik KELDER
TU DELFT
NETHERLANDS



Marnix WAGEMAKER
TU DELFT
NETHERLANDS



Maria ALFREDSSON
University of Kent
UK



Robert DOMINKO
NIC SLOVENIA



Laure MONCONDUIT
UNIVERSITY OF
MONTPELLIER –
ICGM FRANCE



Lorenzo STIEVANO
UNIVERSITY OF
MONTPELLIER –
ICGM FRANCE



Sergio BRUTTI
SAPIENZA
UNIVERSITA DI ROMA



Robert ARMSTRONG
UNIVERSITY OF ST
ANDREWS - UK



Bernard LESTRIEZ
IMN - FRANCE



Nicolas DUPRE
IMN - FRANCE



**Wladyslaw
WIECZOREK**
WUT - POLAND



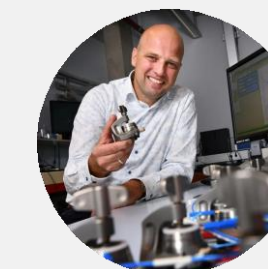
Rémi DEDRYVERE
IPREM - FRANCE



Patrice SIMON
UPS - FRANCE



Patrick ROZIER
UPS - FRANCE



Mark HUIJBEN
UNIVERSITY OF
TWENTE- NETHERLANDS



Kristina EDSTRÖM
UPPSALA UNIVERSITY
SWEDEN



Patrik JOHANSSON
UPPSALA UNIVERSITY
SWEDEN



Ilie HANZU
TU Graz AUSTRIA



Tejs VEGGE
TECHNICAL
UNIVERSITY OF
DENMARK (DTU)



Andrea BALDUCCI
FRIEDRICH SCHILLER
UNIVERSITY (FSU)
JENA -GERMANY



Stefan FREUNBERGER
ISTA - AUSTRIA



Alexey KOPOSOV
UNIVERSITETE I
OSLO- NORWAY



**Dina
FATTAKOVA ROLFING**
Forschungszentrum Jülich
- GERMANY



Furio CORA
UNIVERSITY COLLEGE
OF LONDON - UK



Corsin BATTAGLIA
EMPA - SWITZERLAND



Arndt REMHOF
EMPA - SWITZERLAND



Saiful ISLAM
OXFORD UNIVERSITY
UK



Serena CUSSEN
UNIVERSITY COLLEGE
OF DUBLIN - UK



Janek JÜRGEN
GIESSEN UNIVERSITY -
GERMANY



Matteo BIANCHINI
BAYREUTH UNIVERSITY -
GERMANY



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Being an Academic Partner



Benefits as Academic Partner

Hosting of Students of MESC+ for Master Thesis (6 months)

Co-shared fundings by ALISTORE (120,000 €) of PhD grants

MESC+ Scholarships for Scholars (young PIs)

Opportunities to talk at Bi-Annals

White Paper □ big review papers with several key EU players of ALISTORE, generally published afterwards in big journals (*Chemical Reviews etc.....*)

Access to the Industrial Club of ALISTORE and their roadmaps/lectures



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European research institute

Belonging to the Industrial Club





saft

a company of



RENAULT

umicore



SOLVAY

asking more from chemistry®



Benefits as IC member

- Access to European talents (MESC Master students, DESTINY, ALISTORE PhD Students)
- Early access to White Papers, current state of the art on topics of choice (that the IC chooses...)
 - 2 Bi-Annual meetings in Europe
- Academic invited presentations from excellent young PIs of the Network
 - Privileged access to IP generated from ALISTORE-funded topics
- Many more.....



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Education





Erasmus Mundus Joint Master Degree



website

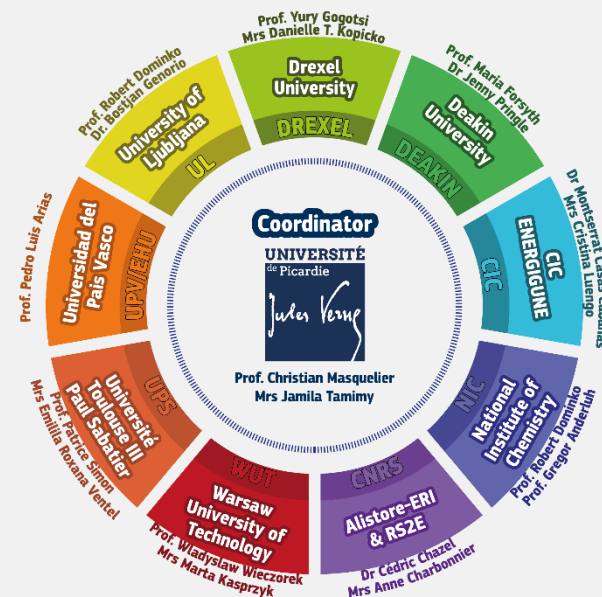
- Outstanding students from all over the world
- 2-years program in English (3 semesters of class, 6 months master thesis)

- Inorganic chemist
- Characterisation techniques: XRD, Microscopy, Thermal analysis,...
- Electrochemistry
- Thermodynamics
- Crystallography
- Energy/hydrogen storage
- Nanomaterials
- Intellectual Property

• 7 Partner Universities

- Amiens (FRANCE), Toulouse (FRANCE)
- Bilbao País Vasco (SPAIN)
- Warsaw (POLAND)
- Ljubljana (SLOVENIA)
- DEAKIN (AUSTRALIA), DREXEL (USA)

- RS2E and ALISTORE Networks as partners
- Leading industrial partners involved



With the support of the
Erasmus+ Programme
of the European Union





**387
graduates**

**21
classes
since
2004**

**Strong
support
from
industry:
10
grants /**

**2 running
classes,
62
enrolled
students**

**Master Thesis
topics all over
Europe:
Alistore,
RS2E,
companies**

**More than
80% go for
a PhD,
mostly in
Europe**



With the support of the
Erasmus+ Programme
of the European Union



[website](#)

Doctorate Programme on **E**merging batteries Storage **T**echnologies **I**nspiring **Y**oung Scientists

**MSCA
Project**

**63
months**

**50 PhD
Students**

**2
Cohorts**

**40+
Partners**

Papers

100+ have been published

Defenses

**January 2026: 30+ PhD
graduates**



This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement N° 945557

63 months (2026-2031)

2 cohorts

42 PhD students



FRANCE

IMPLEMENTING P.



ASSOCIATED P.



AUSTRIA

ASSOCIATED P.



BELGIUM

ASSOCIATED P.



DENMARK

ASSOCIATED P.



Technical University of Denmark

GERMANY

IMPLEMENTING P.



UNIVERSITÄT BAYREUTH

ASSOCIATED P.



Universität Münster

ITALY

IMPLEMENTING P.



UNIVERSITÀ DI BOLOGNA

ASSOCIATED P.



POLAND

IMPLEMENTING P.



Politechnika Warszawska

SLOVENIA

IMPLEMENTING P.



NATIONAL INSTITUTE OF CHEMISTRY

SPAIN

IMPLEMENTING P.



CIC energi GUNE



SWEDEN

ASSOCIATED P.



SWITZERLAND

ASSOCIATED P.



Empa
Materials Science and Technology

UNITED KINGDOM

ASSOCIATED P.



The University of Nottingham

destiNY 2



The DESTINY2 consortium



Funded by
the European Union



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Research



Basic Research Directions

- 5 from co-shared and IC brainstorming
 - Application-Driven Basic Research
- **Examples of talks given in recent bi-Annals (attached PDF programs of last 4 ALISTORE Bi-Annals)**
- **Examples of projects voted to be funded** during the last bi-annual meetings
- **Examples of Talks given by Prominent Invited Speakers over the years**



+ Recent prominent speakers

December 2019

Mike THACKERAY, Argonne National Laboratories, USA “From Spinel to Lithium-Rich NMC Cathodes, an historical perspective”

June 2021

Hong LI, Chinese Academy of Sciences, Beijing, CHINA “in situ solidification strategy for practical high energy density lithium ion batteries ”

Dec 2022

Ryoji KANNO, Tokyo Institute of Technology “Historical Development and New Perspectives in Ion Conductors and Solid State Batteries”

June 2023

Markus ANTONIETTI, Max Planck Institute of Colloids and Interfaces “MOMAstora: a project to couple Modern materials Synthesis with the demands of energy storage”

Sylvestre MAURICE, UPS Toulouse “The Mars program and the Search for traces of life”