

View this email in your browser

DECODE

NEWSLETTER

From January to August 2024



Funded by the European Commission, DECODE is a groundbreaking collaborative project. Our mission is to develop and showcase the first decentralised cloud-based platform that unites multiple laboratories in a shared effort to accelerate the design and integration of energy materials.

Latest DECODE Project Updates!

Kicking-off Our Project

On the 15th of January 2024, our consortium was happy to attend the kick-off meeting of the project, which took place in Brussels and was hosted by our coordinator, Forschungszentrum Jülich.



Launch of the DECODE website

May saw the launch of the project website by our valued partner Euroquality, where you will find comprehensive information on the project's concept, objectives, demonstration sites, partners and latest news. Be sure to check it out!



Read More...

Consortium Meeting #1

On 6 and 7 June, the DECODE consortium met in Jülich (Germany) to update each other on all the work done since the start of the project and to discuss key management aspects and next steps. A great moment for trans-European cooperation!



Read more...

Work in progress!

Update on Work Package 1:
"Requirements, Knowledge, and Development"

Led by CNRS and running until July 2025, this work package has three key objectives:

Evaluate DECODE Methods and Tools	Assess the usefulness, maturity, transferability, circularity, and industrial suitability of the project's theoretical models and characterizations.
Develop Experimental and Theoretical Approaches:	Address knowledge gaps in understanding the local reaction environment (LRE) and the distribution of reaction conditions and rates (DRR) for increasingly complex electrochemical systems.
Create Better Descriptors	Use the gained knowledge to develop improved descriptors for understanding chemical reaction behaviors.

Exciting Launch: DECODE's 2nd Work Package Underway

On July 1, 2024, the Paul Scherrer Institute (Switzerland) kicked off the second work package of DECODE, titled **"Integrated Characterisation and Modelling Toolkits."** This work package aims to establish a seamless workflow that connects insights from WP1 on LRE, DRR, and electrode media properties with device metrics. This innovative approach will enable correlation analysis and the identification of optimal multiparametric descriptors. WP2 will also harmonize lab testing practices, conduct multiscale and multimodal characterizations, and use advanced techniques to assess the relationships among structure, properties, activity, and stability.

Breaking News Highlights



COMMUNICATION ON
ADVANCED MATERIALS
FOR INDUSTRIAL
LEADERSHIP

27 February 2024



The European Commission Unveils Blueprint for Advanced Materials Leadership

On 27 February 2024, the European Commission launched a new strategy to enhance the EU's leadership in advanced materials, vital for green and digital transitions. The plan focuses on boosting research and innovation, speeding up market entry, increasing investment, and fostering production. A new Technology Council will oversee these efforts in collaboration with Member States and industry partners. For more details, read the full Communication [here](#).

Discover the EC's factsheet

Mark Your Calendar:
Exciting DECODE Project Events

Recent Events

25-26 Jan. 2024



DECODE presented at EU-MACE COST ACTION meeting

The DECODE project, coordinated by FZJ, was presented at the EU-MACE COST ACTION meeting and joint workshop on "Digitalisation and Automation Boost Materials Research."

More

26 Feb. 2024



Joint workshop - modeling and characterisation projects

Organised by HADEA, the European Health and Digital Executive Agency. To enhance visibility and encourage collaboration among existing and new projects, DECODE was invited to present its concepts, key milestones, partners, and expected outcomes.

More

15 May 2024



AABC Europe 2024

The DECODE project was showcased in a presentation within the Fuel Cell Workstream at the AABC EU in Strasbourg on May 15th.

More

12-14 June 2024



Helmholtz AI - WP3 progress presentation

Helmholtz AI is one of the largest AI community events in Germany. We presented Graph Data aspects related to WP3 to participants from various German organizations.

More

17 June 2024



DECODE presentation at Materials Week - in Cyprus / AMI2030

Dr. Kourosh Malek, a member of DECODE's coordination team, presented the project during the third session titled "Digital Transformation - Catalysing the Green & Digital Transition for Innovative Advanced Materials and Products" in June 2024. This was an excellent opportunity to promote our Horizon Europe project!

More

26-27 June 2024



Future Lab Conference

Dr. Kourosh Malek presented the DECODE project at Future Labs Live 2024 in Basel, a key event for lab innovations across various industries, on 26th June.

More

17 June 2024



DECODE Project Partners to Present at Accelerate 2024 Conference

The DECODE Project is excited to announce its participation in the 2024 Accelerate Conference, hosted at the University of British Columbia (UBC) in Vancouver from August 6th to 9th. This interdisciplinary event is a confluence of visionaries from academia, industry, and government, all dedicated to advancing the field of AI for scientific innovation.

More

Upcoming Events



DECODE Partners Reunite in Strasbourg

This November: A Festive Meetup at the Heart of the Christmas Market!

Stay tuned!

DECODE

JÜLICH

UNIVERSITÉ DE STRASBOURG

PAUL SCHERRER INSTITUT

ICPEES

HZB

FZJ

Chemnitz

University of Duisburg-Essen

euquality

RWTH AACHEN UNIVERSITY

hite

neel

BOSCH

SFU

SIMON FRASER UNIVERSITY

CNRS

TOULOUSE INP

DTU



This project has received funding from the European Union's Horizon Europe Research and Innovation programme under Grant Agreement No. 101084131 (DECODE).



This email was sent to: <55f0ae...your.e-mail.address>
why did I get this? unsubscribe from this list update subscription preferences

EQY - 39 Rue Saint-Lazare - Paris 75009 - France

