



## Valorisation of Agro-Industrial Wastes via the Production of Zeolite-based composite materials and their use in Environmental Remediation and Biofuel production.



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Welcome to the VALZEO 3rd Newsletter. We are excited to have you on board of our community and to share our sustainable journey with you.

In this edition of our newsletter, we will review the most important events of the project during the last 6 months and highlight the mid-term meeting of our project. We will also showcase some of the project's research achievements, including publications, as well as conferences where VALZEO have actively participated to spread out our sustainable approach. Additionally, we will emphasize VALZEO's scientific engagement, bringing together researchers from various countries to exchange research and innovation experiences, ensuring maximum impact from the project's outputs and results. This issue of our newsletter reflects the unwavering commitment of our project partners to achieving tangible milestones in the valorisation of agro-industrial wastes via the production of zeolite-based composite materials and their use in environmental remediation and biofuel production.

## VALZEO Mid-term reviewing meeting

On June 26th, 2024, partners of the VALZEO project from Spain, Italy, Ireland, the United Kingdom, and Cuba came together both in person and virtually at UAB to conduct the VALZEO Mid-Term Review meeting under the presence of the project officer Sotitios Kokaias . With the project having lasted for eighteen months, the purpose of the meeting was to evaluate the progress made in the different work packages, as well as the secondments. The gathering also aimed to make necessary preparations for future events organized by the VALZEO project.

During the meeting, there was a clear sense of optimism regarding the remarkable progress achieved in all work packages of the project, and the spirit of teamwork was evident among the heads of the various groups. Dr. Roberto Boada, the project coordinator from UAB, praised all the project partners, stating, "VALZEO exemplifies sustainable innovation by repurposing waste materials for environmental benefit."

Learn more about VALZEO Mid-Term Reviewing meeting click [Here](#)



## MSCA Staff Exchange informative session

On June 26, 2024, in Barcelona, Spain, an informative session on MSCA-Staff Exchanges was held at the Facultat de Ciències. The session featured innovative projects aimed at advancing research and innovation. Three remarkable projects, including the VALZEO project from the Universitat Autònoma de Barcelona (UAB), were highlighted as success stories.

K-Reporters Project from the Department of Applied Pedagogy, presented by Angelina Sanchez, and the RECYCLES Project from the Chemical Engineering Department, presented by David Gabriel. During the informative session, the National Contact Point, Jesús Rojo, and the Project Officer, Sotirios Kiokias, participated in the event providing information about the MSCA program and the specific Staff-Exchange action.


During the informative session, it was clear that these projects are great to bridge academic and industrial partners to find synergies through close collaboration. In the case of VALZEO, the presentation provided by Dr. Roberto Boada highlighted the importance of having an industrial partner to provide advice in order to facilitate the scaling-up and proper implementation of the ideas that could lead to a revolution in the field of bioenergy research.













Learn more about MSCA Staff Exchange Event at UAB 2024 click [Here](#)



# EuroScience Open Forum [ ESOFF 2024 ]

## VALZEO Sails with World Scientists in Poland to Explore Life-Changing Science

 EuroScience Open Forum 2024

 <p><b>Albert Bartoli Almera</b> Director de proyectos en AERIS Tecnologias Ambientales</p>   <p>Spain</p>	 <p><b>Svitlana Lyubchyk</b> Co-Founder CASCATCHUVA Ltd</p>   <p>Portugal</p>
 <p><b>Gabriele Mulas</b> Associate Professor of Physical Chemistry at University of Sassari</p>   <p>Italy</p>	 <p><b>Anastasia Moschovi</b> Head of Research &amp; Innovation Dpt at MONOLITHOS Catalysts &amp; Recycling Ltd</p>   <p>Greece</p>



Join the MSCA Cluster at ESOFF 2024

"The EU is driving sustainable resource management with innovative projects that focus on recycling, reusing, and waste reduction to minimize environmental impacts and enhance efficiency"

Register Now



European Commission

#ESOFF2024

#MSCARISEcluster



## MSCA RISE cluster at ESOFF 2024: Pioneering Sustainable Resource Management



The EuroScience Open Forum (ESOFF) 2024 in Katowice (Poland) witnessed a convergence of brilliant minds, where science and industry intersected to address pressing environmental challenges. Among the standout projects featured was VALZEO, an innovative initiative that exemplifies sustainable innovation.

### VALZEO: Transforming Rice Husk Ash into Environmental remediation solutions

On June 12, 2024, Dr. Albert Bartoli from AERIS Tecnologias Ambientales SL (Spain) presented VALZEO at ESOFF 2024 and served as the moderator for the MSCA RISE cluster.

### NANOGUARD2AR: Microbial-Free Indoor Environments

Dr. Svitlana Lyubchyk presented her project from Lusofona University in Portugal in an engaging presentation.

### CO2MPRISE: Advancing CO2 Capture and Conversion

Prof. Gabriele Mulas, from the University of Sassari in Italy, presented his project "Through Insight and Great Hope" aiming to reduce carbon emissions.

### ChemPGM: Pioneering Platinum Group Metal Recycling

Prof. Dr. Anastasia Moschovi, from MONOLITHOS Catalysts & Recycling Ltd in Greece, is leading this project, which involves an insightful investigation of platinum group metals (PGMs) chemistry and sustainable recovery.

Learn more about ESOFF 2024. Visit the Link [Here](#)

## **Secondment of Prof. Rabdel Ruiz Salvador in Universidad de la Havana (la Havana, Cuba)**

In a captivating seminar held in Havana, Cuba, on June 5, 2024, Professor A. Rabdel Ruiz-Salvador from Universidad Pablo de Olavide (UPO) provided a seminar entitled "Modeling Porous Materials," a critical topic within VALZEO's WP2.

This seminar was one of the activities carried out by prof Ruiz-Salvador during his secondment in Havana university.

Learn More Visit the Link [Here](#)

## **VALZEO and SITES Shine at World Economy Forum 2024**

Brussels, April 16, 2024 - VALZEO, in collaboration with SITES, showcased pioneering circular economy innovations at the World Economy Forum. Their focus? The sustainable utilization of rice husk, a powerful resource for eco-friendly materials.

Learn More Visit the Link [Here](#)

## **New publication : Understanding Zeolite Stability**

VALZEO proudly highlights a recent research breakthrough in zeolite stability by the Pablo de Olavide University (UPO) team. Their innovative approach, combining crystallochemistry and artificial intelligence (AI), significantly advances our understanding of these nanoporous materials

### **Key insight**

UPO researchers, led by Dr Salvador Rodríguez Gómez Balestra, Dr A. Rabdel Ruiz Salvador, and Dr Dayrelis Mena Torres, published their findings in *Crystal Growth & Design*.

Read a groundbreaking publication. Visit the Link [Here](#)

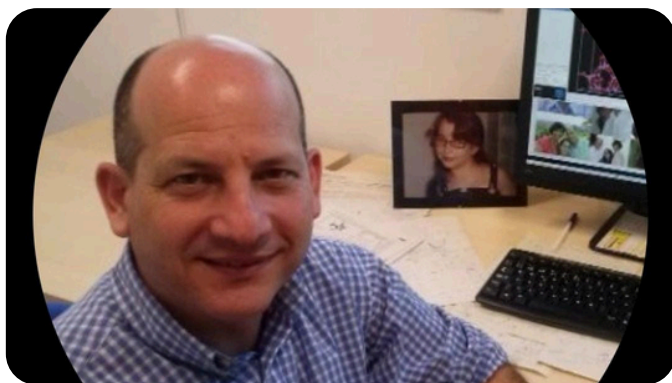
Thank you  
VALZEO Communication Team



Dr Rabdel Ruiz Salvador From UPO



Leonardo Piccinetti & Alessandro Tiraborelli from SITES Ltd



Prof, Rabdel Ruiz Salvador From UPO



<https://www.valzeo.eu/>

