NEWSLETTER #2

Project activities 07/2022 - 12/2022

VIPCOAT

Virtual Open Innovation Platform for Active Protective Coatings Guided by Modelling and Optimization


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MILESTONE


© VIPCOAT/ Lisa Depenbrock

LATEST ACTIVITIES


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PARTNER INTERVIEWS

VIPCOAT received funding for a period of 4 years from the European Union's Horizon 2020 research and innovation programme, which started on May 1, 2021. Our consortium comprises 12 participants (5 companies and 7 research institutions) from 8 countries (BE, DE, FR, LU, NL, NO, PT, UK) who gather all necessary background and expertise to deliver an Open Innovation Platform (OIP) to support the development of new coating materials.

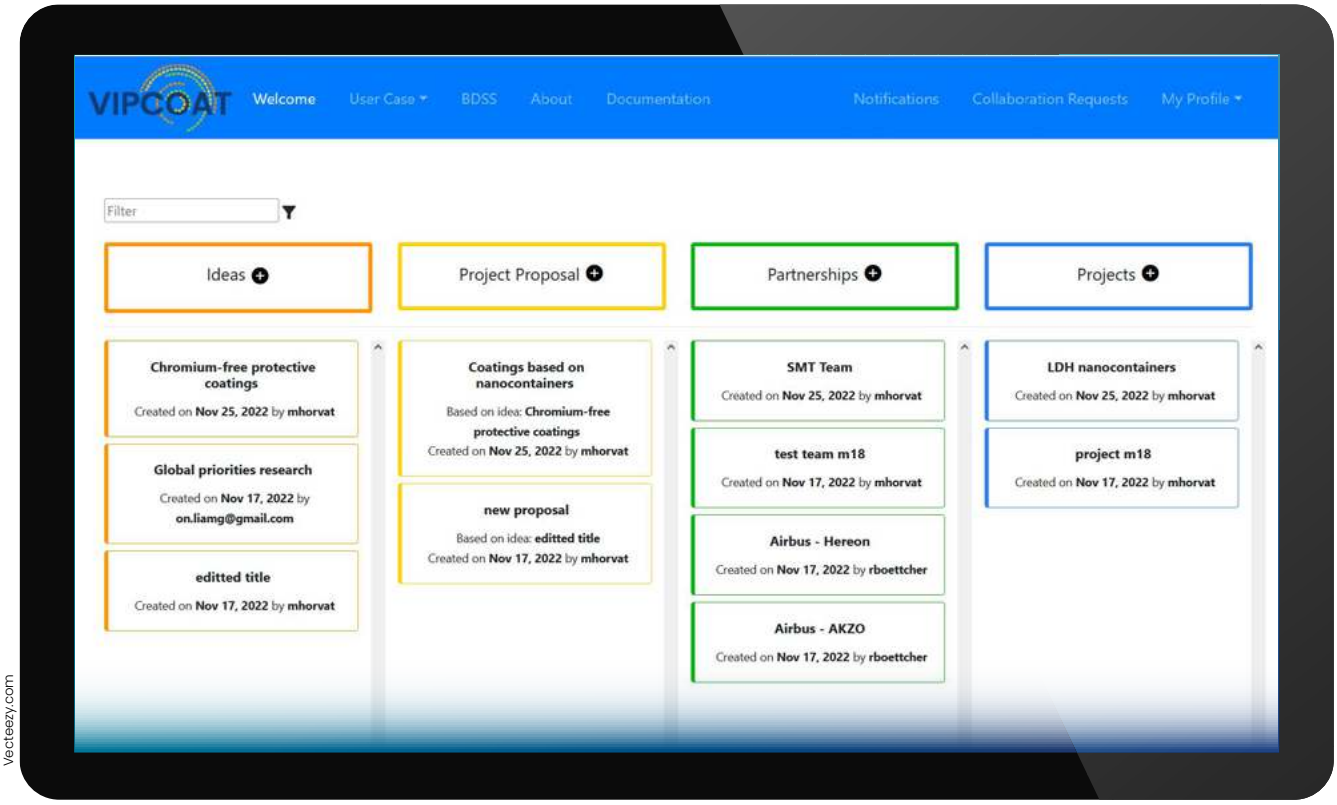
www.vipcoat.eu

MILESTONE

LAUNCH OF THE OPEN INNOVATION PLATFORM

One year after the start of our VIPCOAT project, the Open Innovation Platform reached the maturity level of "Minimum Viable Product", thus fulfilling the first VIPCOAT milestone. The Open Innovation Platform facilitates an approach to an effective transfer of science and communication between partners from different sectors. In particular, academy, industry, politics, and public. The platform serves serveral important roles in the innovation process: the role of a database for experimental, industry-relevant, and modeling data, the role of scientific infrastructure, and the role of simulation tools.

Machine learning and physics-based modeling are combined in an effort to optimize industry-relevant active protective coating development processes. VIPCOAT OIP is designed to support industry in development of customized innovative corrosion protection technologies in a faster, economical, sustainable, and environmentally friendly way. Since October 2022, the platform is open for all registered users.



Vecteezy.com

The platform is accessible from web-browser and has an authentication server that handles registering and authentication of the users following the General Data Protection Regulation (GDPR).

Would you like to find out more about the Open Innovation Platform? Just click on the image or visit:

vipcoat-oip.com

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LATEST ACTIVITIES

DECEMBER 2022

The consortium partner **Smallmatek** is applying the business process modeling (BPM) approaches and adopting the Cardanit BPMN editor by help of **LIST** (Luxembourg Institute of Science and Technology) to save time and effort in developing coating materials.

Read more

NOVEMBER 2022

Deutsches Elektronen-Synchrotron (DESY): From November 25-30, 2022, the VIPCOAT project team successfully conducted an experiment on micro-tomography with synchrotron radiation to investigate the leaching of inhibitors from environmentally friendly coatings.

Read more

NOVEMBER 2022

2ND NANOMECOMMONS WORKSHOP: On November 24, 2022, VIPCOAT's coordinator Dr. Natalia Konchakova represented the VIPCOAT project at a panel discussion at the workshop "Materials characterization and software tools as key enablers in NMBP-35 projects: Towards industrial transition and wider acceptance of new methods and products" in the frame of collaboration with Open Innovation Testbeds.

Read more

NOVEMBER 2022

ECCA CONGRESS 2022: On November 21, 2022, VIPCOAT members held their lecture „Open Innovation - latest thinking" at the Autumn Congress in Brussels.

Read more

VIPCOAT Consortium Meeting
November 2022 in Geesthacht, Germany
© VIPCOAT/ Jakob Haese

NOVEMBER 2022

CONSORTIUM & REVIEW MEETING 2022: Representatives of all members of the VIPCOAT consortium attended the semi-annual meeting. The meeting was organised by the team of the Helmholtz-Zentrum Hereon in Geesthacht, Germany. Approximately 30 partners met personally. The programme of the event included a scientific report from the partners, a technical day with a demonstration of the vipcoat platform and an interactive workshop focusing on the implementation of B-2-B-2-B aspects at the OIP.The meeting with the project advisor, the project reviewer and the members of the external advisory board was successfully completed.

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LATEST ACTIVITIES

OCTOBER 2022

COLLABORATIVE WORKSHOP: Open Innovation Facilitation in Horizon Europe - VIPCOAT consortium led the conceptualization and implementation of the collaborative workshop on Open Innovation Facilitation in Horizon Europe. The workshop was organized by three OIP projects MUSICODE, OpenModel and VIPCOAT, founded by the same topic: "Open Innovation Platforms for materials modeling." Experts from industry, academia, governmental bodies and society participated in the event.
Read more

SEPTEMBER 2022

MLE SCHOOL `22: On September 13-14, 2022, Hamburg University of Technology hosted a two-day Summer School "Machine Learning in Engineering" MLE which was co-organized by Hereon. Cristian Feiler and Lisa Sahlmann participated in the event as Trainers and represented VIPCOAT consortium at the Summer School.
Read more

Collaborative Workshop:
Open Innovation Facilitation in Horizon Europe,
October 2022 in Brussels, Belgium
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LATEST ACTIVITIES

AUGUST 2022

EUROCORR CONGRESS 2022: Joint Session and Round Table - VIPCOAT consortium has organized the Joint Session and the Round Table "Modeling sustainable active protective coatings" at EUROCORR in Berlin on August 30, 2022. In total, our project partners gave eight presentations and participated very actively in the open round table discussion.
Read more

Dr. Nils Van den Steen | EUROCORR 2022
© VIPCOAT/ Lisa Depenbrock

EUROCORR 2022, August 2022 Berlin Germany
© VIPCOAT/ Lisa Depenbrock

JULY 2022

NANOTEXNOLOGY `22 CONFERENCE: In the Workshop of Open Innovation and Standardization, the three H2020 EU projects MUSICODE, OpenModel and VIPCOAT presented their collaboration and the progress in the technical development. The first life demonstration of VIPCOAT OIP collaboration area have been showcased. In addition, all projects participated in the exhibition area.
Read more

JULY 2022

On July 10-14, 2022, the VIPCOAT consortium member **WIKKI Limited** organized the **17TH OPENFOAM WORKSHOP** in Cambridge. The conference has fostered the discussion of advanced techniques and approaches for software engineering and architecture.

On Thursday, July 14th, Prof. Hrvoje Jasak and Dr. Marko Horvat provided a lecture on OpenFOAM integration into MoDeNa platform.
Read more

Benedict Grevelhörster, Lisa Sahlmann, Dr. Christian Feiler | EUROCORR 2022
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UPCOMING EVENTS

(CO-)ORGANIZED BY VIPCOAT

APRIL 2023

From April 26-28, 2023, the 4th EMMC International Workshop on „Materials & Digitalisation: the backbone of the Green Transition“ will take place at the TU in Vienna, Austria. VIPCOAT consortium plays an active role in the workshop scientific committee.

Read more

AUGUST 2023

VIPCOAT consortium organizes the focused joint session and round table “Multi-scale modelling for design of protective coatings” at the **European Corrosion Congress** (EUROCORR23), which will be held in Brussels, Belgium, in August 27-31, 2023.

Read more

JUNE 2023

The University of Patras is organising the 7th International Conference of Engineering Against Failure (ICEAF) in Spetses, Greece from June, 21-23, 2023. The conference aims to stimulate interdisciplinary collaboration dedicated to the prevention of technological failure. VIPCOAT consortium contributes with the organization of a session on “Environmentally induced degradation and damage: advanced modeling, characterization and optimization aspects”.

Read more

FOR PEOPLE AND THEIR FUTURE ENVIRONMENT

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MEET TWO BEHIND VIPCOAT

Dr. Peter Visser
Innovation Project Lead
AkzoNobel | Expertise Center Corrosion

Interview

Prof. Dr. J.M.C. Mol
TU Delft | Faculty 3mE
Department Materials Science and Engineering

Interview

PARTNERS BEHIND VIPCOAT

The VIPCOAT Project received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 952903.

Do you want more information about VIPCOAT? ***Visit our website*** or check ***#VIPCOAT***