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WORKSHOP VIPERLAB - VAPO

08th February 2022



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VAPo: Virtual Access Portal unifies the access to **all Virtual Access Infrastructures** of VIPERLAB and create a **single point of access** for the users. The platform is intended to be modular and scalable to offer a sustainable platform to provide access to the four virtual infrastructures that are already part of VIPERLAB and will be able to grow and integrate further virtual infrastructures as soon as they are developed.

VAPo contains also **integrated database access and management** for the information generated during the project regarding materials characteristics performance and durability, economic and environmental data to help the users identify the materials and practices and foster the European development in the relevant areas of perovskite technology.

Goal of VAPO

The main goal and objectives of creating the online platform VIPERLAB-VAPO are to:

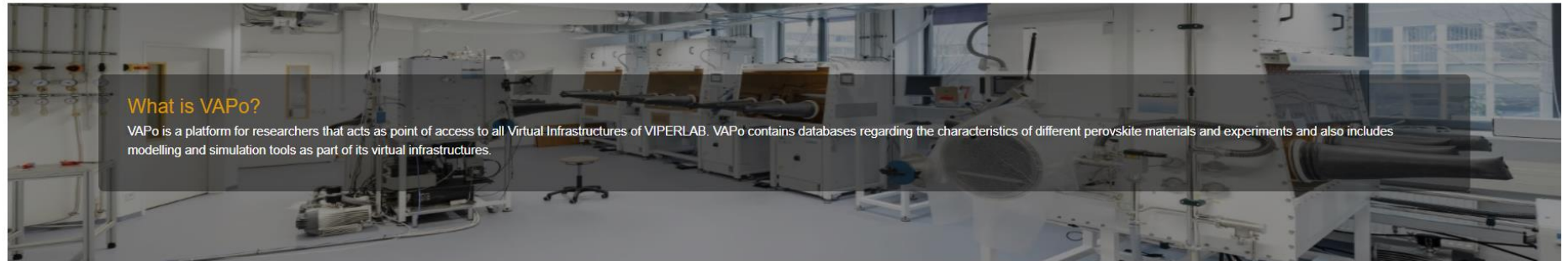
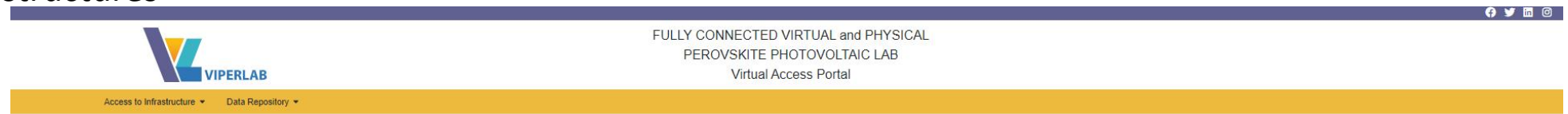
- **Unify the access to all virtual infrastructures** offered in a single point of access
- **Continue developing the virtual infrastructures** to provide more and better services for users
- Provide an efficient and **uniform database structure** according to the FAIR (Findable, Accessible, Interoperable, Reusable) principles of data management for easy access. **Searching and data analysing of the databases generated as part of VIPERLAB** (both through the users as well as from the joint research activities among VIPERLAB partners.
- Provide support for the use and improvement of **access to the tools** that are made available via virtual access
- Monitor the access and compile user **statistics**



The platform VIPERLAB-VAPO is publicly accessible in the following link: <http://www.viperlab-vapo.eu/home.php>

From this web page, it is possible to access the different main sections of the platform:

- Access to virtual infrastructures
- Data repository
- Simulation tools



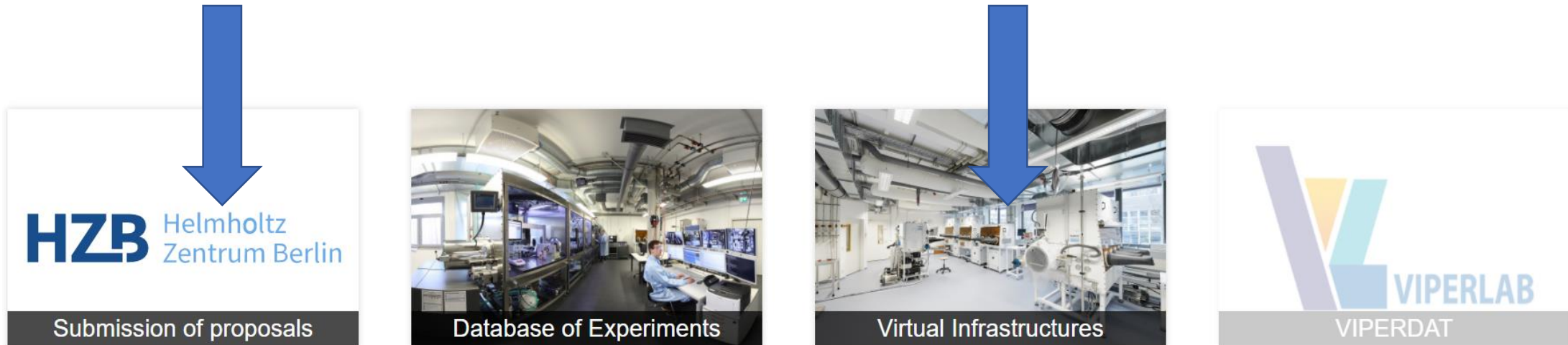
This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N° 101006715

Currently, there are four virtual infrastructures accessible: AMANDA, CRESCO, HYSPRINT and MODELAB.

PROPOSAL EVALUATION

Proposals for Virtual Research Infrastructure Access will be evaluated **by the provider or technical support of the specific virtual infrastructure.**

Procedure equivalent to the one of physical infrastructures: GATE...



Direct access to these virtual infrastructures

There will be accessible a list of all the experiments performed in VIPERLAB infrastructures



Submission of

Experiment A

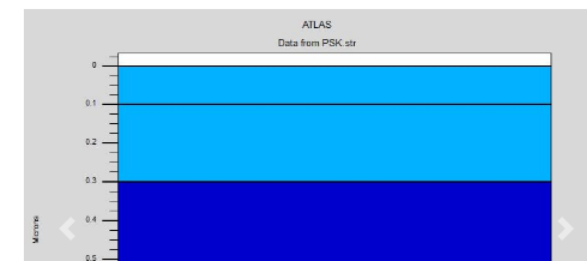
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Proposer: John Smith
Institution: CENER
Status: Ongoing
Date of proposal: 15/05/2021
Start date: 25/05/2021
End Date: Pending...
DOI: [link](#)
Report: [link](#)
Publications: [link](#)

Infrastructure 1

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[Read more](#)



The access to the VIPERLAB meta-database, which we will call “VIPERDAT”, will be located in VAPo platform. VIPERLAB.

VIPERDAT will include:

- Experimental data that VIPERLAB partners decide to share with colleagues in VIPERLAB for the purpose of internal data mining projects
- A further expanded and developed database which will contain improved tools and functionalities to gather the information generated in VIPERLAB JRAs and NAs.
- Based on the **data extraction protocols and interactive web-tools developed in “The Perovskite Database”** and “Emerging PV” as well as tools available in other databases we will develop a unified data extraction/sample



VAPo statistics

The personal user details will be requested for entering some parts of the VIPERLAB-VAPo platform, namely, not as a way to restrict access but as a way to protect users' data and for the statistics about the platform.

The result of the statistics will be used as a tool to improve the platform and to generate specific information according with the user's interests. Besides, these statistics will be shared with other members of the consortium and with the EC in order to evaluate the impact of the platform on the dissemination and communication activities of the.

How do you enter?

<http://www.viperlab-vapo.eu/home.php>

Why are there three different platforms for VIPERLAB project?

<https://www.viperlab.eu/> containing the main project information

<https://www.viperlab-kep.eu> containing information about the infrastructures, experts and educational conten

<http://www.viperlab-vapo.eu> containing information for virtual access

What are you going to find in VAPo?

Three different pieces of information:

- Access to virtual infrastructures
- All the information generated during the project related with databases and
- All the information generated during the project related with simulation tools

Thank You Very Much!

Thanks to Viperlab partners:
Jens, Misha, Franco, Natalia
and Eva

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