VIPERLAB
OPEN ACCESS TO THE EUROPEAN PEROVSKITE RESEARCH INFRASTRUCTURES
FULLY CONNECTED VIRTUAL and PHYSICAL PEROVSKITE PHOTOVOLTAIC LAB

1st Newsletter October 2021

VIPERLAB: EU project aims to boost perovskite solar industry in Europe

Official Launch of the VIPERLAB Project

on Photovoltaic Energy Conversion

Perovskite PV is one of the most important PV technologies that will leverage the future market penetration of European PV production with the lowest cost and lowest carbon footprint.

VIPERLAB, which stands for "Fully connected virtual and physical perovskite photovoltaics lab", an EU-funded H2020 project funded under grant agreement ID: 101006715, proposes facilitated and coordinated access to the top-ranked EU's perovskite Research infrastructures to stimulate European researchers from academia and industry to collaborate on the research and development of the next generation of solar cell technology, which will form the backbone for the EU PV to regain global leadership across the value chain.

The participating institutions are among the best in European perovskite research.

Within VIPERLAB, they will facilitate access to their laboratories and infrastructures so that research teams from public institutions or industry can work with the optimal equipment and methods. A database on materials and building elements will also be established, incorporating information on long-term performance and environmental and economic impacts. This database will enable evidence-based commercial and policy decisions.

Through close collaboration and tailor-made research services, VIPERLAB aims to give European industry a knowledge edge along the entire value chain.

1st call to access opens today October 15th, 2021

Dead line November 30th, 2021 23:59:59 (CET)

Through close collaboration and tailor-made research services, VIPERLAB aims to give European industry a knowledge edge along the entire value chain.

Growing scientific perovskite communities as well as industry and SMEs are invited to apply for free access to one of the top level infrastructures in the field of perovskite and silicon PV designed for:

- top-level material synthesis
- state-of-the-art device design and development
- standardized testing methods
- simulation methods
- databases

Submit your innovative research proposal to free access by VIPERLAB in the top-ranked European perovskite and silicon PV Infrastructures

The call for proposals opens on **15th October** with a submission deadline on **30th November, 2021** (closing at 23.59.59 CET).
Applicants will be notified of review outcomes in December 2021.

The access is funded within the EU's Horizon 2020 framework and includes the logistical, technological, and scientific support and the specific training.

Interested in finding more information about offered infrastructures???
Visit the VIPERLAB knowledge exchange platform infrastructure catalogue

INFRA CATALOGUE

About eligibility criteria and how to submit a proposal by GATE Portal?

MORE INFO GATE PORTAL

VIPERLAB
OPEN ACCESS TO THE EUROPEAN PEROVSKITE RESEARCH INFRASTRUCTURES
FULLY CONNECTED VIRTUAL and PHYSICAL PEROVSKITE PHOTOVOLTAIC LAB

For more details, please contact

Dr. Natalia Maticiuc, HZB
Technical coordinator of VIPERLAB
natalia.maticiuc@helmholtz-berlin.de

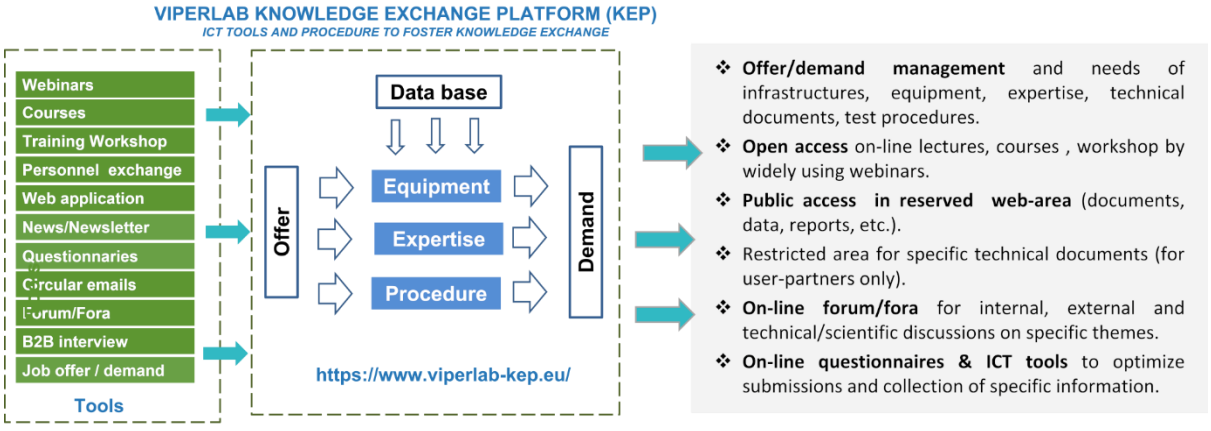
Viperlab Knowledge Exchange Platform

Knowledge Exchange Platform is a milestone that brings together academic staff, research institutes, members of companies open to innovation and wider groups and communities, translating and / or transforming it into an opportunity for mutual profit and to learn more and better thanks to the use of complementary skills. This improves results, accelerates goal achievement and research impact.

VIPERLAB Knowledge Exchange Platform: → It aims to overcome the barriers that usually limit broad access to knowledge exchange

VIPERLAB Knowledge Exchange Platform (KEP) is based on an SQL-structured Query Language and Dynamic Database Management System (RDBMS), and it supports the Perovskite photovoltaics community with tools and procedures in order to foster discussion, disseminate information, create databases and offer educational content with the objective to improve knowledge Exchange and foster collaboration opportunities at EU scale.

Stay tuned and follow us!!!!



VIPERLAB project presented @ EU PVSEC 2021:

Visual session 3BV.1

VIPERLAB project has been recently presented during the **38th European PV Solar Energy Conference and Exhibition** by N. **Maticiuc and E. Unger** with a **visual poster**

(3BV.1.31) entitled "V**IPERLAB: An infrastructure Platform to Accelerate the Development of Perovskite PV Technology in Europe**".

The poster has highlighted the main motivation, goal, and objective of VIPERLAB project, as its consortium of fifteen EU leaders in perovskite/Silicon technology from Germany, Austria, France, Italy, Spain, Netherlands, Belgium, as well as Switzerland and UK.

VIPERLAB consortium introduced its thirteen physical infrastructures and four virtual infrastructures for top-level material synthesis, state-of-the-art device design and development, as well as standardized testing methods, simulation methods, and databases that will be offered to EU researchers from academia and industry to validate at lab-scale and at pre-industrial-scale, the perovskite/Si technology that will form the backbone for EU PV.

Event web site

WHEN: **6-10 Settember 2021 –** On-Line (EUPVSEC platform)

The EUPSEC proceeding are now available

FOLLOW US!

.

And sign up on the VIPERLAB Knowledge Exchange platform

VIPERLAB
OPEN ACCESS TO THE EUROPEAN PEROVSKITE RESEARCH INFRASTRUCTURES
FULLY CONNECTED VIRTUAL and PHYSICAL PEROVSKITE PHOTOVOLTAIC LAB

The **VIPERLAB-KEP Knowledge Exchange Platform** is the web platform based on SQL-Structured Query Language and Dynamic Database Management System (DBMS). KEP supports the VIPERLAB project in transferring the information available by its *databases such as infrastrucutres data, educational content, among others.*

Register **here**.

VAPo platform will come soon

The **VIPELAB-VAPo Virtual Access Point Platform** unifies the access to all Virtual Access Infrastructures and it provides the access point on modeling and simulation results available by the project together with simulation tools benchmarking.

JOIN THE VIPERLAB COMMUNITY

MEET THE CONSORTIUM

If you wish to receive more updates subscribe to VIPERLAB's news & newsletters mailing list here, follow us on LinkedIn, Twitter, Facebook, YouTube AND/OR check out the news section of KEP and VIPERLAB website.

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