

The NOMAD Encyclopedia: Getting access to millions of calculated materials properties

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The European Centre of Excellence NOMAD (NOvel MAterials Discovery) collects, homogenizes, and analyses computed materials data worldwide. It offers various services to the academic and industrial material science community, ranging from data storage and sharing to advanced big data analytics and visualization tools. One of these tools is the NOMAD Encyclopedia, which makes this vast amount of data accessible via web-services. It includes a graphical user interface addressing human users, as well as an open API allowing users to develop their own tools. We will present the content and objectives of the NOMAD project in general, followed by a more detailed description of the NOMAD Encyclopedia.