Onyx Solar is a global company developing smart solar solutions for Building Integrated Photovoltaics (BIPV). The company offers local solutions, tailored to each client, at a global scale. The solutions replace conventional construction materials, such as glass or ceramics, with photovoltaic properties in ventilated façades and roofs, curtain walls, skylights, brise soleils, canopies, walkable floors, etc. The idea is to incorporate photovoltaic properties into building envelopes, allowing them to produce clean and free energy from the sun in a way that is aesthetically pleasing and feasible. Onyx Solar deals with the full range of photovoltaic technologies currently available, as well as emerging and future technologies, leveraging an R&D strategy that allows them to keep up-to-date with all the latest industrial developments.

ONYX is not currently using a material database similar to the one provided by the NOMAD project. Since its foundation in 2009, ONYX has focused on R&D activities, production optimization and international market deployment. However, we think that the tools proposed in NOMAD could be interesting on a short-medium term basis.

In the medium term, a dynamic database that could be used to improve our internal knowledge of the behaviour of the materials used to develop our BIPV products, interactions between the different materials that compose the BIPV units and implications of the use of new materials in the performance of innovative BIPV products would be useful. This understanding would help to predict the behavior of final products and consequently to improve our solutions. This would be interesting due to the large amount of product formats and variety of materials that ONYX delivers.

A good way for NOMAD to better understand our organization’s needs would be an organized visit to ONYX’s facilities. This would establish a mutual understanding of the potential usefulness of NOMAD outputs for ONYX and enable the NOMAD team to learn how the project results could improve ONYX’s existing activity.

Training sessions on NOMAD tools and services would be interesting. Additionally, other types of communication/exploitation activities would be useful (e.g. public webinars for communicating NOMAD results).