

## Pilot benchmark 23-24 Mont-Soleil, project

Evaluations for the implementation of a dynamic scientific benchmark system

### "Relaunch Mont-Soleil" - for a sustainable use of photovoltaics PV

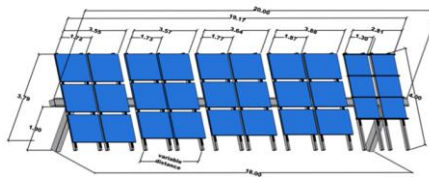
A unique pilot project is to be carried out in Mont-Soleil between 2023 and 2024 in order to evaluate how neutral and scientifically based information on PV products (benchmarks) can be made available to interested parties the market/house owners, research and development, industry, public authorities, etc. in a long-term and transparent manner for optimal, sustainable and space-saving use of the relevant PV modules available on the market.

#### Purpose and significance of the project

The aim of the pilot project 23-24 is to provide the basis for deciding whether the solar panels of the existing large-scale solar power plant, which will be losing more and more performance after more than 30 years, should be gradually replaced by new, relevant PV modules, and whether their quality and performance should be scientifically compared in the long term and presented in an appropriate manner (benchmark). The completion of the pilot project does not prejudice the decision on the further course of action.

#### Project content, setting and location

The pilot project 23-24 is based on three contents: "science" (technical concept, neutral and objective selection and evaluation of the PV modules, publication of the data, etc.), "infrastructure" (installation work, maintenance and guided tours of the plant, etc.) and "regional communication" (popularization of the technical knowledge, electronic display of the data, dissemination in the region, etc.). The project is led, coordinated and represented externally by the "Steering Committee". The new module table that will be used is located at the entrance of the Mont-Soleil solar power plant (red box).

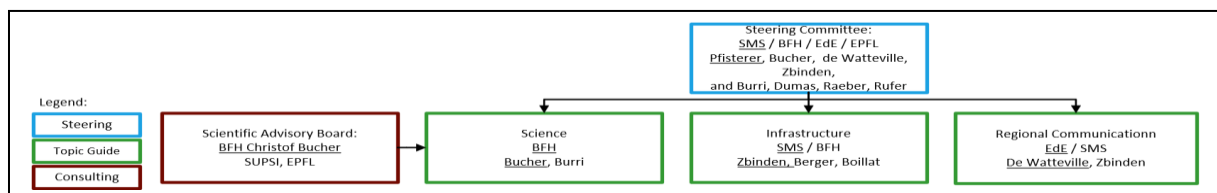


It is planned to install and register 5 different types of modules with a total of 30 modules on a surface of 60 m<sup>2</sup> and a total power of 15 kW.

#### Project leaders, partners and organization

The project leaders are the 'Société Mont-Soleil' Saint-Imier SMS, the 'Bern University of Applied Sciences' BFH and the 'Espace découverte Énergie' Saint-Imier EdE. Various other partners will collaborate in different ways according to their interests, including the EPF Lausanne/Neuchâtel, the SUPSI Mendrisio and various renowned Swiss and foreign R&D representatives as well as federal and cantonal offices and other interested partners from the market/house owners and industry.

The responsibility for the execution, quality and finances of the work is also articulated according to the content assigned to the project



#### Project progress, costs and financing

The pilot project 23-24 should be operational as far as possible by the end of April 2023, depending on the weather conditions (snow). The total costs are spread over all project components and over the two years 2023 and 2024; they amount to approximately CHF 350,000. About 60% of this amount will be spent on 'science', the remainder just under 15% each will be spent on 'infrastructure', 'regional communication' and 'project management', including the project reserve. The final evaluation of the project in the second half of 2024 will provide the basis for a decision (go/no go) on whether to continue the project.

The pilot project 23-24 is financed by the project leaders as well as by the partners and other interested parties (financial and work services).