



Analysis of the Technological Innovation System for BIPV in the Netherlands

Task 15: Enabling Framework for the Acceleration of BIPV

August 2024

Aim of the TIS analysis for BIPV in the Netherlands)



This report analyzes and evaluates the (possible) development of Building Integrated Photovoltaics in the Netherlands, using the TIS framework as defined in the Guideline, see [Report IEA PVPS T15-16:2023](#).

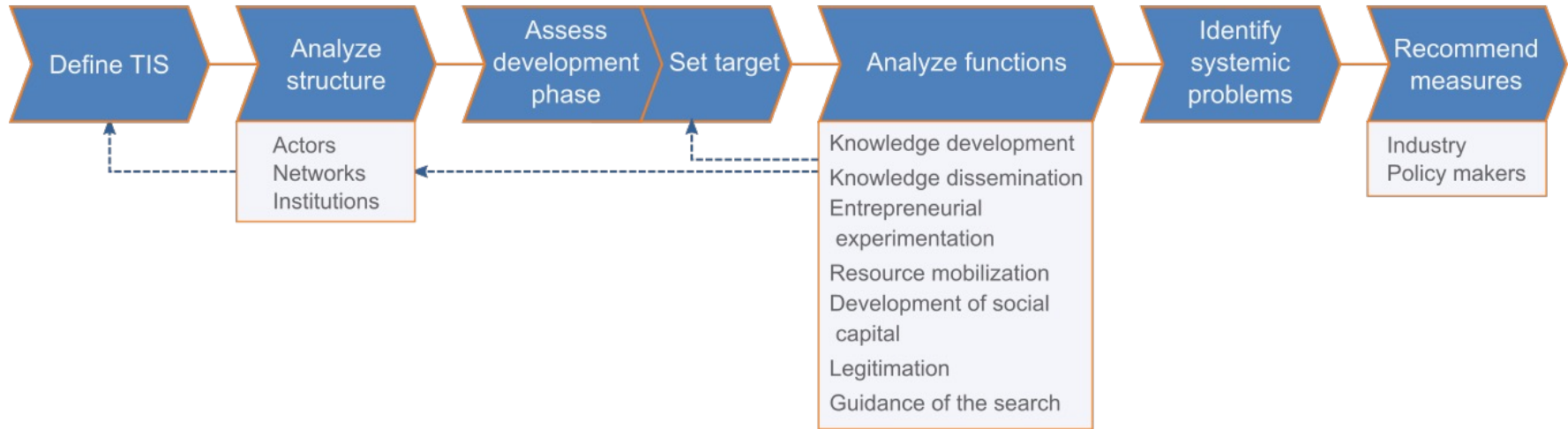
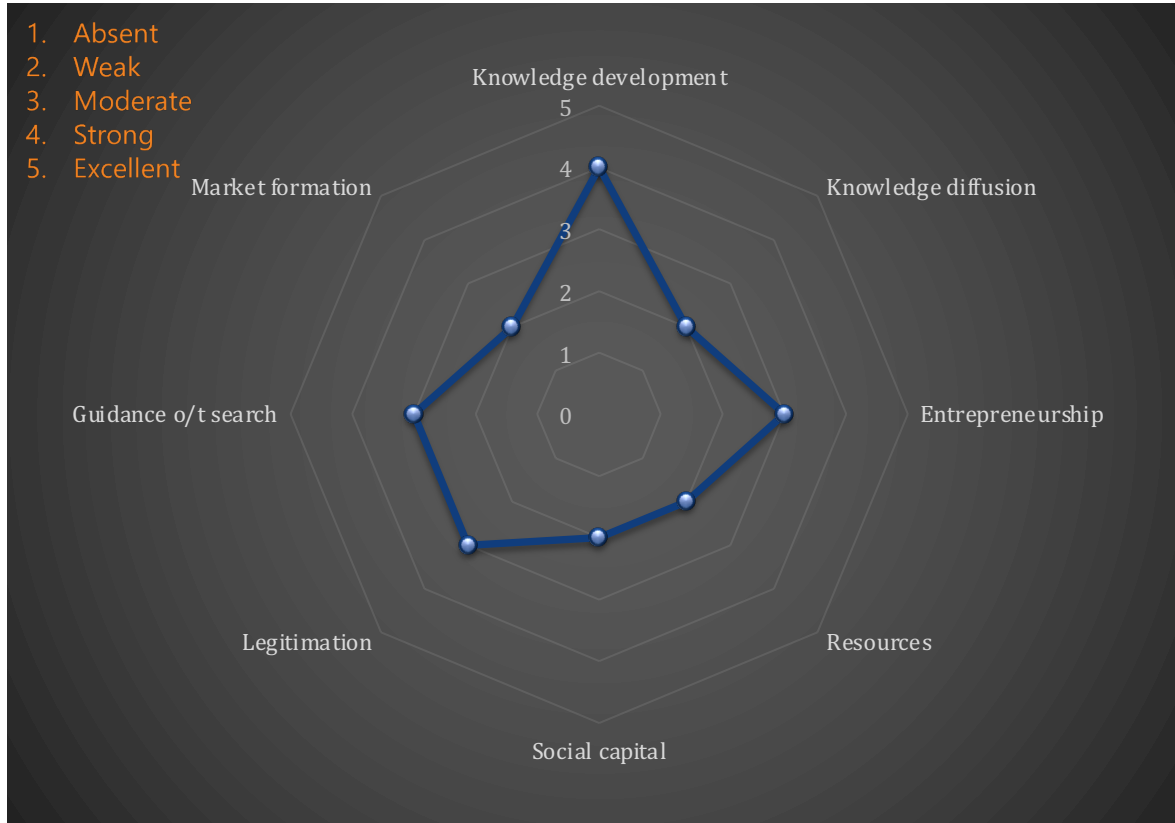


Image from: *Guide for Technological Innovation System Analysis for Building-Integrated Photovoltaics*. IEA-PVPS Task 15

TIS analysis for BIPV in the Netherlands – Functional analysis



Status 2022 in comparison to the analysis target: BIPV reaching around 2% market share of the total PV on buildings market (i.e. BAPV + BIPV).

Main recommendations BIPV development in the Netherlands



- Escape the limited network, consisting of predominately academia, start-ups and consultancy from the solar sector, by networking with (local) government and addressing societal issues.
- Identify new markets that address societal needs, address energy ownership, provide the necessary information and bring together the different stakeholders along the (new) value chain that negotiate a combined business case which includes all the costs and long-term benefits.
- Avoid the pitfalls of the dynamics of the supply-based construction sector in the Netherlands by addressing the market demand side first, on a European scale preferably.
- Validate the technical solutions and business cases by large scale demonstration and pave the way for larger market rollouts, possibly on a European scale.
- Industrialization of the building process by using digital tools and standard prefabricated BIPV materials that reduce elapsed time and fail costs in the execution of the building projects with these new technologies.
- Finally, address certification, eco-labels, building codes, and financial incentives that prepare a larger market role out on a European scale, and mitigate the risks for the investors.

Thank You!

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