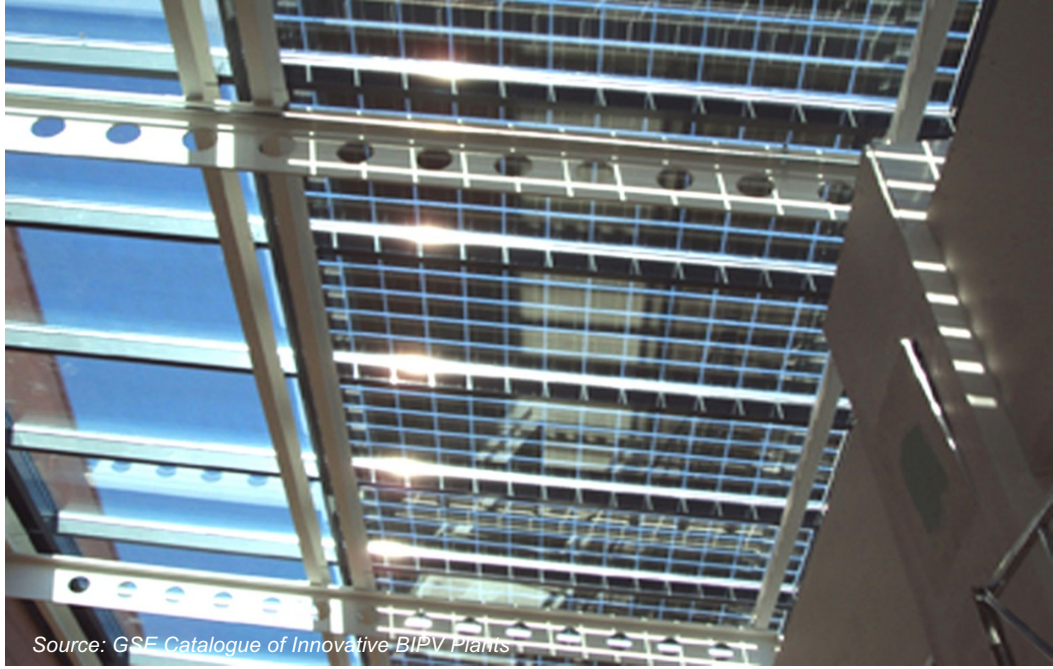


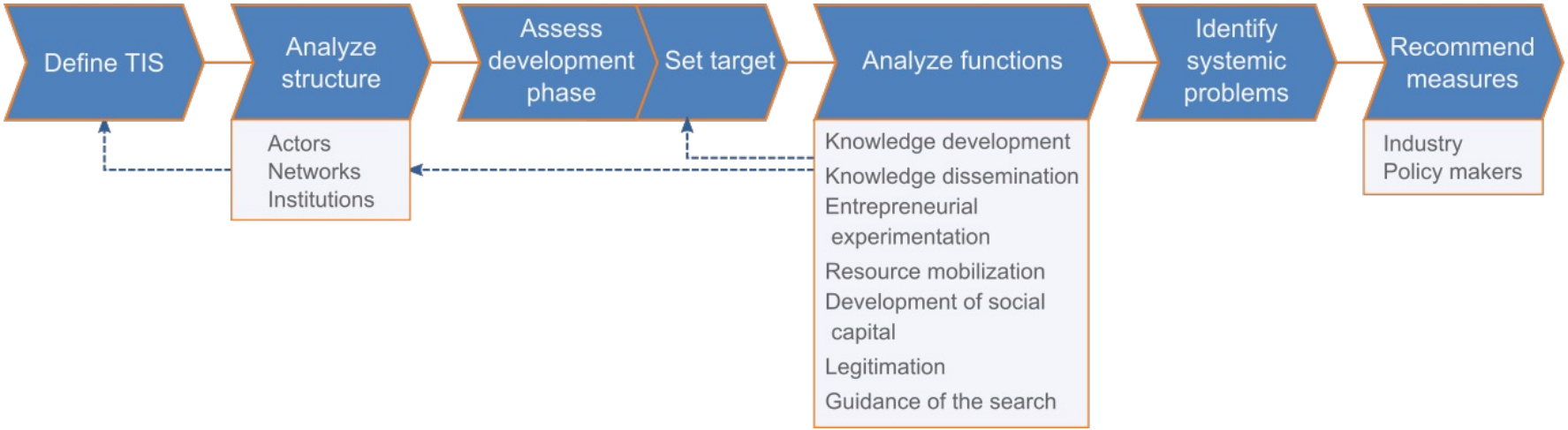
Analysis of the Technological Innovation System for BIPV in Italy

Task 15: Enabling Framework for the Acceleration of BIPV

February 2024

Technological Innovation System (TIS) for BIPV

The TIS analyzes and evaluates the (possible) development of a particular technological field, the structures, the processes, and the factors supporting or hampering it.



TIS process, source Guide for Technological Innovation System Analysis for Building-Integrated Photovoltaics. IEA-PVPS Task 15

TIS Structural Analysis (Italy)

- **Main actors and networks**

- PV industry (the first and most active in the BIPV market due to the past FiT Law) mainly with mounting system solutions

- BIPV industry, with specialized BIPV manufacturers (mostly focused on small tiles for historical cities and niche producers of glass-glass BIPV modules)

- Construction industry

- Research centers and universities

- **Hard institutions**

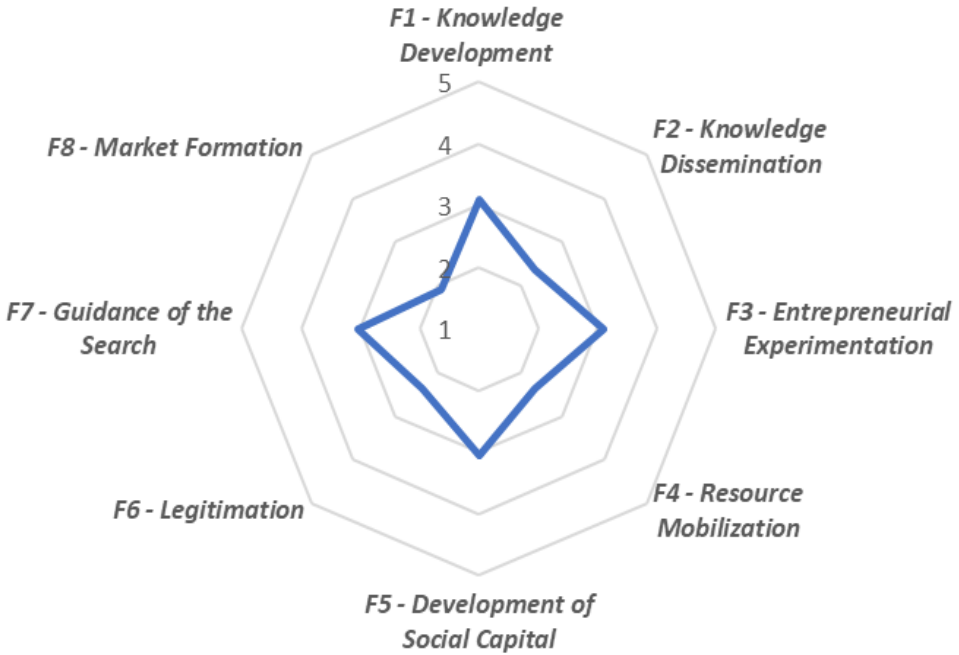
After past FiT Law, there is no specific national support focused on BIPV

- **Soft institutions**

Climate change concern is a reason behind the Italian support of RES. The need for innovation in BIPV due to historical cultural contexts is driving more interest for niche products such as special tiles

TIS Functional Analysis and Recommendations (Italy)

TIS Functional Fulfilment



Results of the fulfilment assessment of the TIS functions. Numbers indicate the degree of fulfilment: 1 – absent; 2 – weak; 3 – moderate; 4 – strong; 5 – excellent.

Main Recommendations

Policy makers. Finding a specific place for BIPV in regulation in order not to lose the path followed with the past FiT Law

Increasing the real estate value of buildings/apartments where BIPV is installed or providing a kind of "BIPV label"

Granting a support to cover (part of) product certification costs and/or patent fees, especially for small producers of niche products

Public Administrations. Updated training on BIPV

Financial Institutes. More active in BIPV market, with new business models

Industry. Standardization

A question arises between product standardization and the architects/superintendencies request of new BIPV products taking into account local architecture

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