



Analysis of the Technological Innovation System for BIPV in Spain

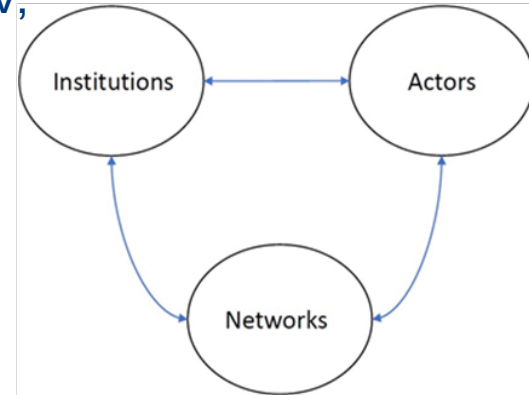
Task 15: Enabling Framework for the Acceleration of BIPV

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TIS Structural Analysis



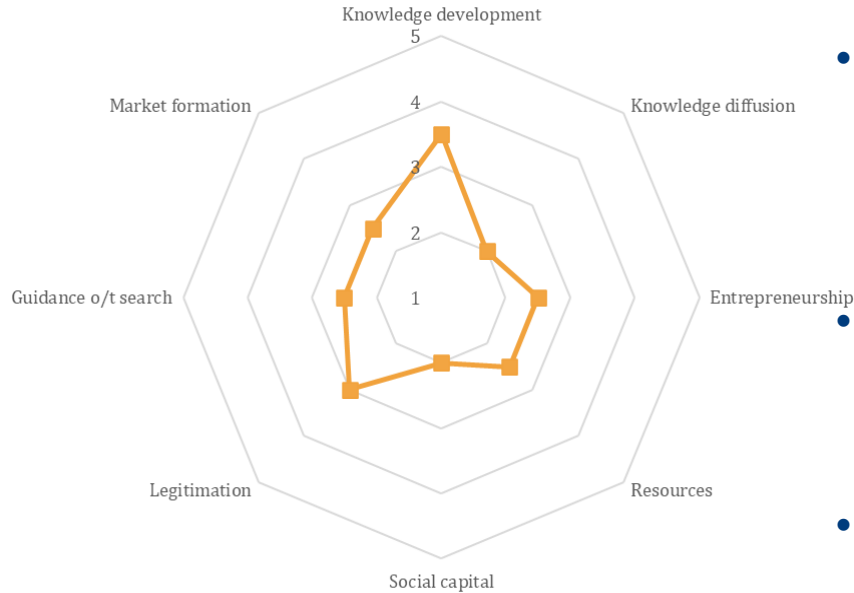
- **Main current actors:** Architects, one globally leading BIPV manufacturer, research and academia.
- **National networks:** on PV although not focusing on BIPV, supported by Europe
- **Soft institutions:** gaining strength because of the environmental and energy emergency
- **Hard institutions:** no BIPV harmonized standards, nor specific regulations, BIPV is not in the technical building code



BIPV is in the niche-market phase. Commercial products for ventilated façades, curtain walls, and skylights, mainly for the tertiary segment.



TIS functional fulfilment



Main recommendations

- **Policy makers:** Develop BIPV harmonized standards, and regulations, include BIPV in the building technical codes, BIPV-specific incentives
- **Industry & Market:** Increase interaction and relations between BIPV and construction sectors. Include BIPV in retrofit actions
- **Education:** Include BIPV in education and training. Specialised staff increase. Public buildings exemplarity

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