

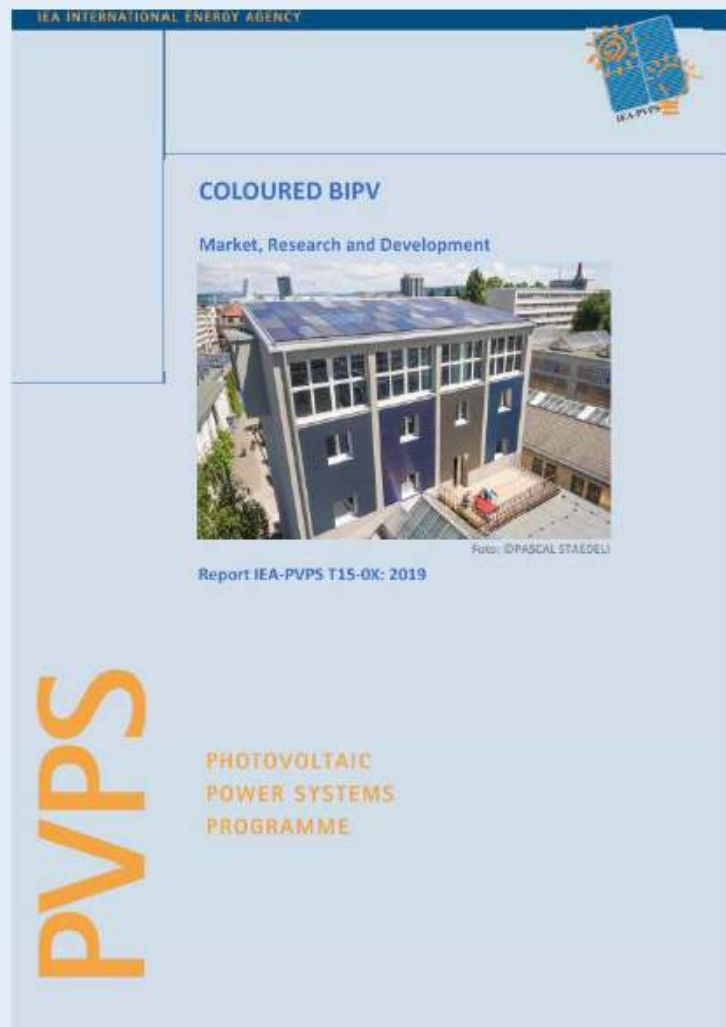


# Report E4

## COLOURED BIPV

### *Market, research and development*

- Market overview of state-of-the-art coloured BIPV products; reveals that for all parts of a BIPV module technical solutions are available for colouring.
- Pilot projects utilizing coloured BIPV products; demonstrate the maturity of these solutions.
- Relationship between colour and efficiency/power generation of BIPV elements; described theoretically and experimentally





# Identified relevant topics for further implementation of coloured BIPV:

- What are still slowing down the progress of implementation of these aesthetically appealing and technically sophisticated new products into a wider market are the costs.
- A lot of effort was made to improve and optimize the relationship between colour and efficiency/power generation of BIPV elements. The results of the past and on-going innovative research and intensified fundamental considerations are also summarized in this report.
- Besides the colour perception of the coloured BIPV elements under solar irradiation which is essential for the acceptance of the exterior appearance of a building, also transparency and inside visual comfort of BIPV – windows and façade elements are essential for the users and inhabitants.