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 afford 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.