



BE SMART

Together for Active and Efficient Buildings

"Feuille de route pour une industrie BIPV européenne forte :
Let's Be-Smart together »



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EPFL
PVLAB

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Process Overview

The Be-Smart consortium outlined five key directions to build a strong BIPV industry in Europe by 2030. The STEEP (social, technological, economic, environmental and political) is the framework that guided the design of this roadmap.



System Mapping



Scenarios



Goals & Milestones



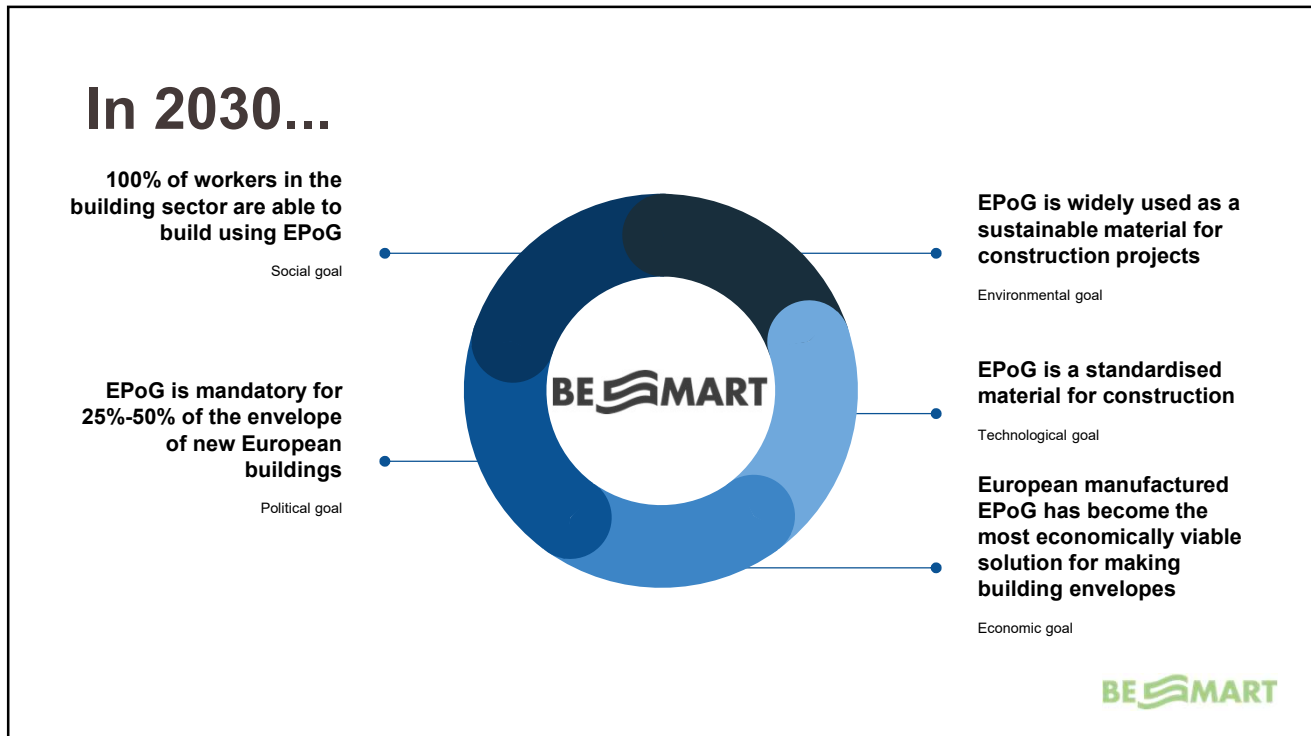
Actions



Stakeholders

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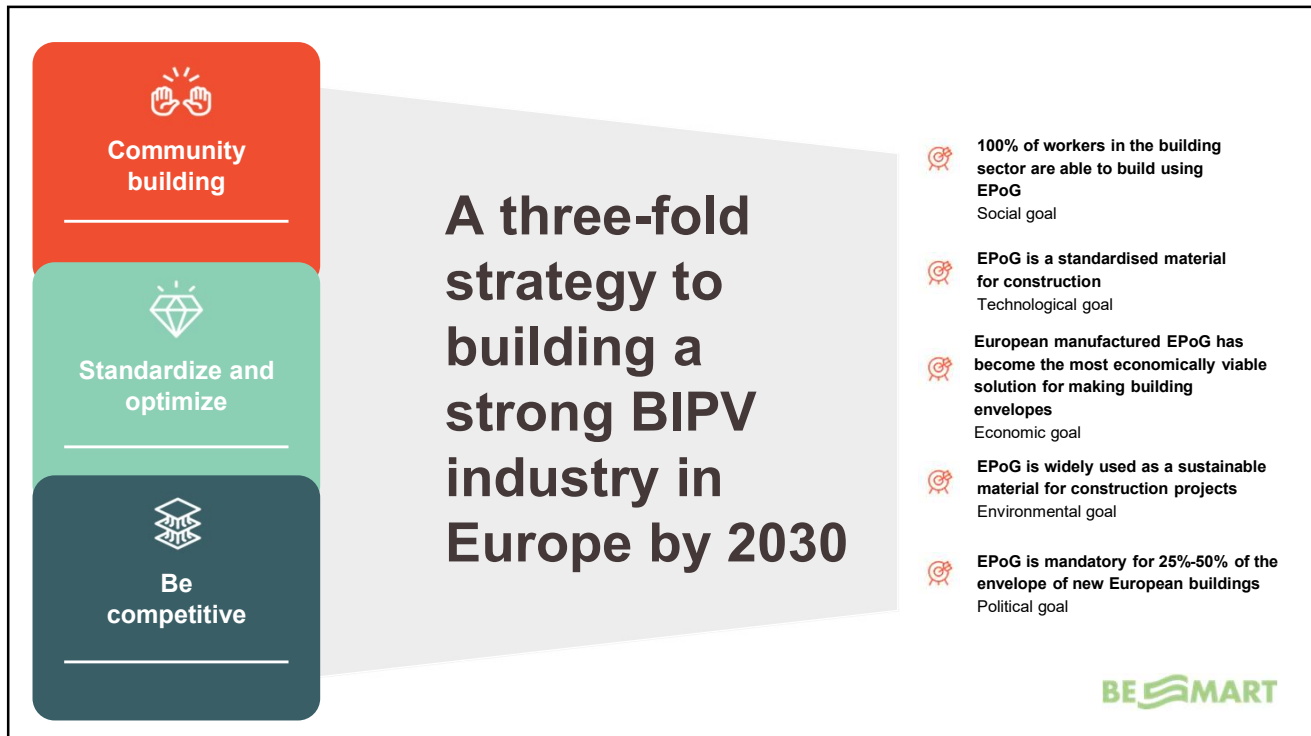
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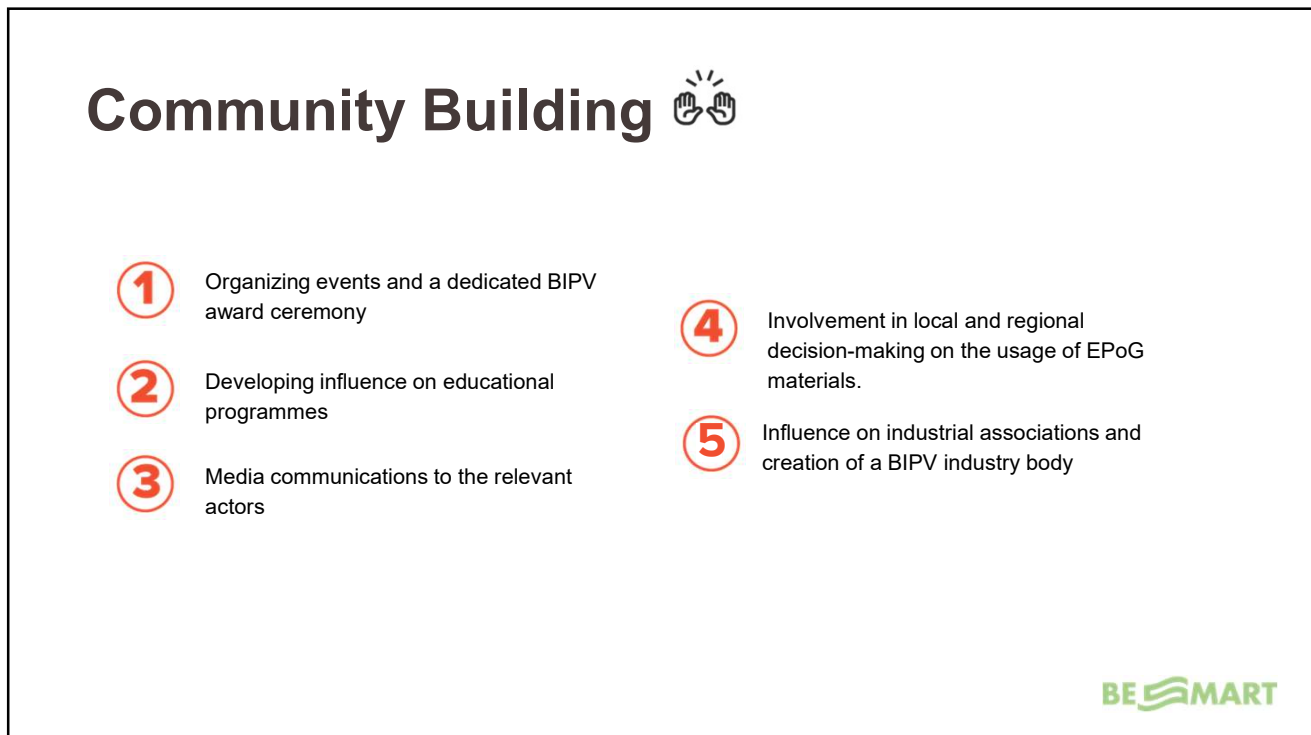
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Standardize and Optimize

- ① Participate in the definition of new standards and legislation for BIPV
- ② Evaluate BIPV technology in comparison to existing standards and frameworks
- ③ Accelerate the construction industry's adoption of BIPV

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Be Competitive

- ① Develop and share business models
- ② Develop demonstration sites for BIPV
- ③ Influence the development of financial incentives for BIPV
- ④ Optimize EPoG's lifecycle costs and environmental effects
- ⑤ Harness digital tools to streamline BIPV planning, certification and usage.

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Conclusion



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Get involved with us

Action strategy



Our community building strategy aims to build a BIPV community of policy and practice by leveraging educational opportunities and media communications.



Our standardization and optimization strategy aims to develop BIPV standards for industry and policy use.



Our becoming competitive strategy aims to enhance the adoption of BIPV technology through innovative business models, efficient value chains and financial incentives.

Ecosystem key drivers takeaway

The **level of BIPV awareness among architects** is a very influential driver to the establishment of the BIPV industry.

Building policies promoting Nearly Zero Energy Building (NZEB) and Guarantee of certification and product quality.

Digitalization is an important driver that can accelerate the implementation of the roadmap.



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70 TWh

Solar potential on Swiss roofs and facades

More than our annual energy consumption

BE SMART ¹³

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