

3rd International Conference on Energy and Envi bringing together Economics and Eng

Faculty of Economics of Porto

sing energy policies drivers of the deployment of bution generation: iew of influencing factors

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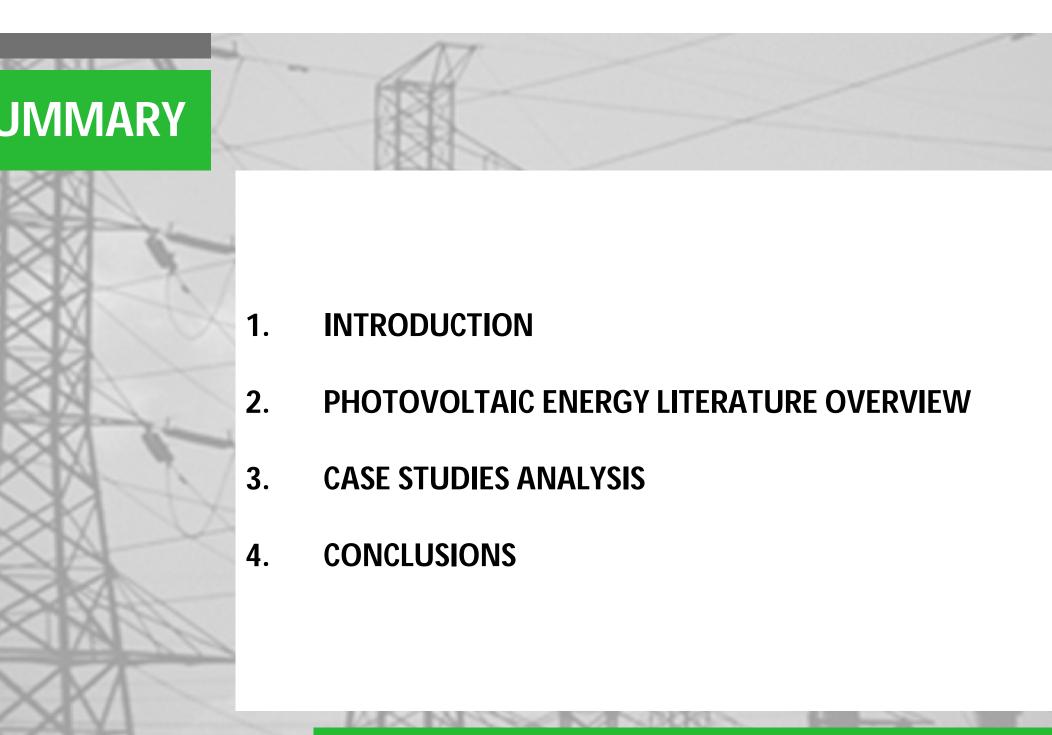
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NTRODUCTION

21st century has witnessed an impressive rise in the deployment of photovouted generation.

force driving the success of this energy technology has relied on specific public ives.

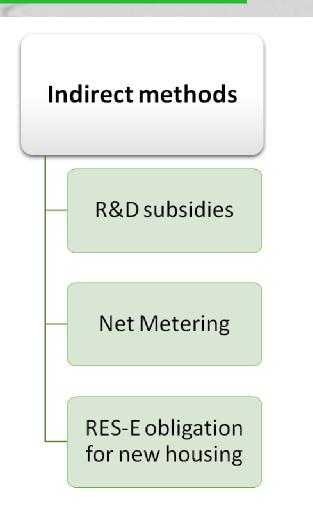
s sense, the paper compares eight different cases (Belgium, Brazil, Italy, Japan, L om, California, Germany and Portugal) and their policy, in order to evaluate the d nsible for their success rates.

HOTOVOLTAIC ENERGY LITERATURE RVIEW

ch of the debate over successful policies for atovoltaic have evaluated the policies through a ary lens.

erwise, the wider framework of instruments st be investigated.

literature offers many ways of categorization. outstanding one is the distinction between ect and indirect methods.



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HOTOVOLTAIC ENERGY LITERATURE RVIEW

nology-specific vs. Technology neutral approaches

- portant discussion is whether remuneration for renewables should be differen e basis of technology differences.
- ology neutral policies proponents argues that technology-specific approache cessarily costly.
- as been challenged by pointing out the importance of technology-specific appromoting technological development.

ASE STUDIES ANALYSIS

UK

In UK photovoltaic systems are profitable only for building-integrated segment, mainly due to the self-consumption regulatory scheme.

Belgium

In Flanders, PV was over-subsidized during the period considered. This explains the abolishment of green certificates, as they were no longer necessary to guarantee at least a 5% IRR.

Germany

German presents the most stable scheme with the IRR at a constant level between 6-8%.

Italy

Considering the investment payback, Italy is the best performer, with a payback of only 6 years, being the most profitable for residential investors.

ASE STUDIES ANALYSIS



ONCLUSIONS

countries have adopted a vast amount of different support policies and it is diffic fy a standard, as even the policy designs can differ greatly from case to case.

olitical motivation and context are also very particular to each specific case, an s it difficult to identify a single best-practice example.

ner difficulty arises in the attempt of identify a common definition for what a succ ort mechanism looks like.

nain contribution of this work has been to exemplify the struggle and r mining solitary factors that explain the success of support policies for distri ation.