

LAPERITIVO Project



About the Project

Large-Area Perovskite Solar Module Manufacturing with High Efficiency, Long-Term Stability and Low Environmental Impact



Duration and Budget

LAPERITIVO is a 3.5-year project, which started on September 2024 and will last 42 months, ending on February 2028 with a budget up to 8.86M €.



Objectives

Power conversion efficiency targets

- $\geq 24\%$ for 100 cm² opaque modules
- $\geq 22\%$ for 900 cm² opaque modules
- $\geq 20\%$ for 900 cm² semi-transparent modules with $>95\%$ bifaciality

Achieve scalability to a potential 5 GW production capacity.

Ensure

- High stability
- High manufacturability
- Low cost
- Low environmental impact

Utilize solely industrially viable processing techniques



Funded by
the European Union

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Project Focus

LAPERITIVO project focuses on the development of large-area stable perovskite solar modules, using processes with high manufacturability and aims to accelerate the European transition to clean, secure, and affordable energy by developing next-generation, low-cost, sustainable perovskite photovoltaic technology.

Consortium

20 partners
19 from 10 European countries
and 1 from North Africa



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