

ECOSOL partners and ecosystem



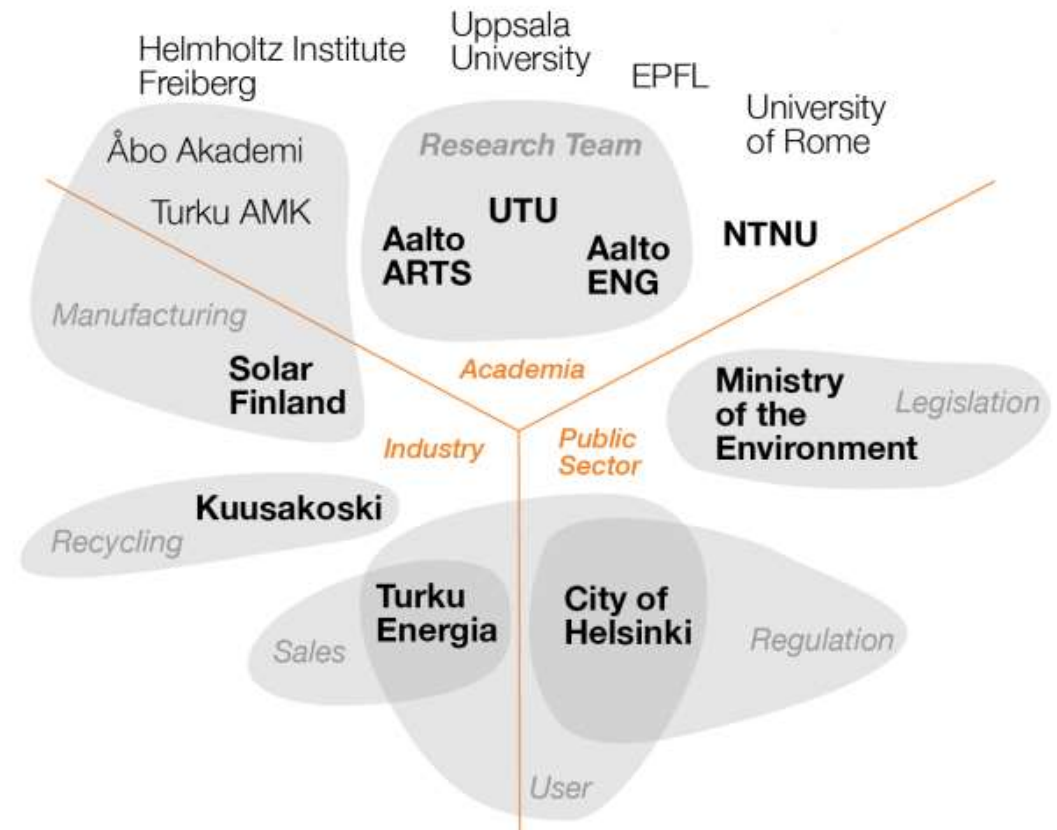
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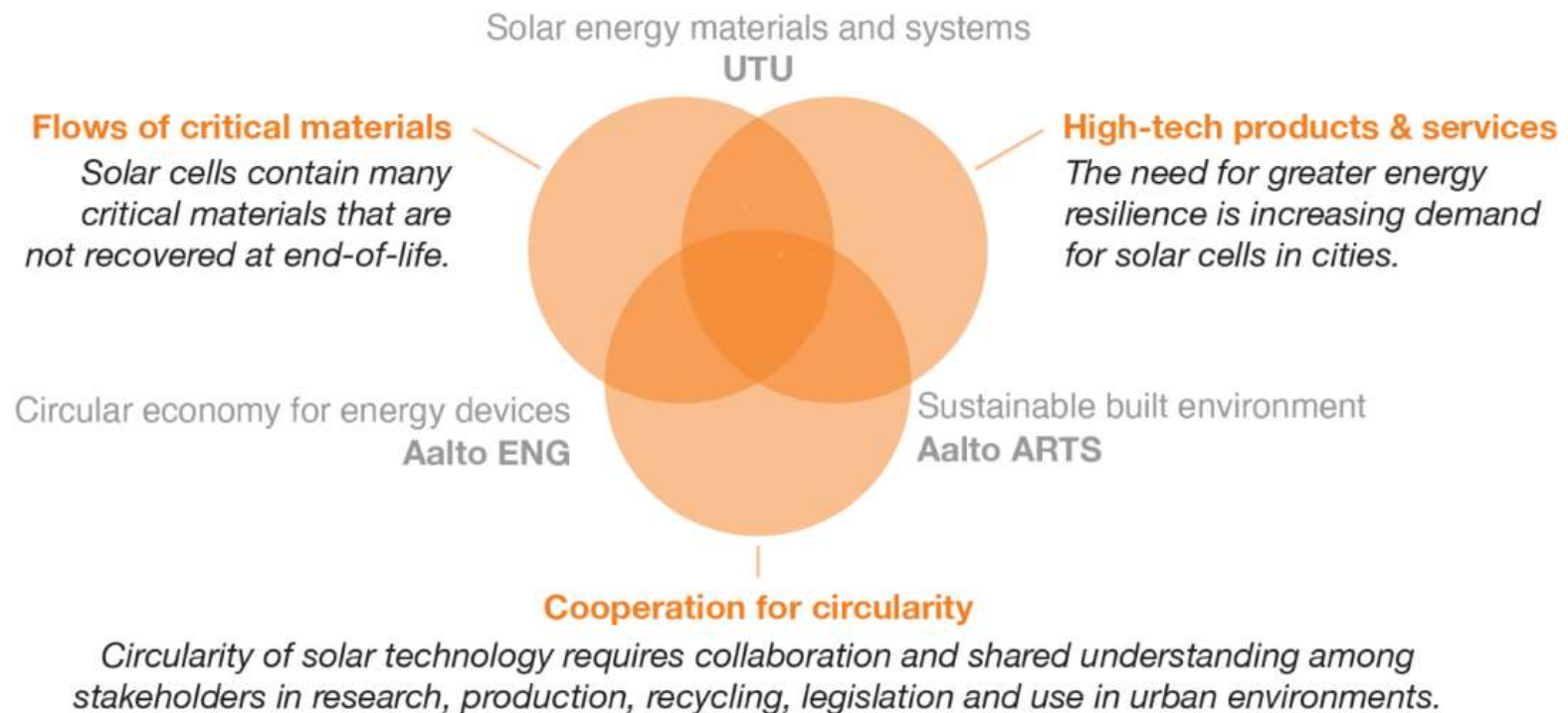
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Challenges that ECOSOL project solves



Objectives of the call	How ECOSOL matches the call objectives ?
Produce new scientific information on flows of critical materials in the circular economy	ECOSOL develops insight on solar technologies that utilize rare and expensive metals (Ag, Au, etc.) that are in danger of being unrecovered since technical feasibility and/or economic incentive is missing. We also address the possibility to reuse different parts for the production of new devices.
High-tech products and services for the circular economy in urban environment	Photovoltaics are a high-tech product, the use of which has increased massively and will continue to increase even more in the coming years, especially in urban environment. Thus, there is urgency to develop eco-designed solar panels.
What kinds of technological, economic and other solutions can help secure access to the raw materials needed for the production of solar cells?	Eco-design (taking into account the recyclability of the solar cell systems at their end of life) must be addressed now when the quantity of solar cells systems is still low compared to their expected future use. Eco-designed solar cell technologies must adapt to different application in urban environment and these issues must be addressed already at the design phase.

