

## ICRERA 2025

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**Paper ID:** 221

**Title:** Data-driven approach to ensure reliability of local electricity generation data based on SRI



**Bio:** **Alejandro Fernández Benages** is a Research Engineer at the Catalonia Institute for Energy Research (IREC), within the Energy Systems Analytics group.

With over 20 years of experience in industrial engineering, data science, and renewable energy, his work focuses on developing algorithms for forecasting energy demand and PV generation, and on optimizing distributed energy resources and hydrogen-based flexibility strategies.

Before joining IREC, he led R&D projects in industrial automation and predictive maintenance, and co-founded initiatives dedicated to small-scale wind and solar energy systems.