

**CORNET Call for Proposals: International Collective Research**  
**--- Organisation profile ---**

Organisation:	<b>Clir Renewables</b>	
Website address:	<a href="https://clir.eco">https://clir.eco</a>	
Organisation typology:	<input checked="" type="checkbox"/> SME Association <input type="checkbox"/> University <input type="checkbox"/> Research Centre <input type="checkbox"/> Other (please specify)	
Sector:	<input type="checkbox"/> Materials <input checked="" type="checkbox"/> Process Engineering, Energy Technology and Environment <input type="checkbox"/> Business Management and Organisation <input type="checkbox"/> Construction and Production <input type="checkbox"/> Chemistry, Textile, Food, Health and Medical <input checked="" type="checkbox"/> Measurement and Information	
Field of specialisation:	<p>Clir develops AI software that maximizes the performance, profitability, and lifespan of renewable power infrastructure (wind-farms, solar-farms). We empower participants in renewable energy with interactive analytics that are not only reactive to performance-changes in renewable assets but proactive, offering clear upstream solutions to downstream inefficiencies in power production.</p>	
Expertise offered:	<b>Wind Engineering</b> <ul style="list-style-type: none"> <li>- Farm permitting &amp; contracting</li> <li>- Wind farm noise modeling</li> <li>- Site suitability analysis</li> <li>- Turbine icing control algorithms</li> <li>- SCADA connection &amp; data retrieval</li> <li>- Dynamic &amp; Static Yaw Modeling</li> <li>- Preconstruction energy yield analysis</li> <li>- Power Curve Analysis</li> <li>- Predictive Component Failure analytics</li> <li>- Wind-to-Power forecasting</li> <li>- Statistical failure mode analysis</li> </ul>	<b>Software &amp; Automation Engineering</b> <ul style="list-style-type: none"> <li>- Cloud infrastructure &amp; data science</li> <li>- Software development methodology</li> <li>- Machine learning and artificial intelligence</li> <li>- Database design</li> <li>- Wind power &amp; solar power analytics</li> <li>- Cloud infrastructure</li> <li>- Software development methodology</li> <li>- Machine learning and artificial intelligence</li> <li>- User Interaction design</li> </ul>
Contact person:	Name: Aram Bernardos Organisation: Clir Renewables E-mail: <a href="mailto:aram@clir.eco">aram@clir.eco</a> ; <a href="mailto:jake@clir.eco">jake@clir.eco</a> Tel: +1 (604) 262 2009	