# How Wind Energy can Lead the Global Transition to a Decarbonized Energy Supply

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The world's energy systems are changing faster than ever before. There are and there will be different recipes for different regions, countries or zones of the world. But there is no doubt that wind and solar energy will be at the heart of any of those transition strategies. In the International Energy Agency Wind Technology Collaboration Programme (IEA Wind TCP), we set out the vision of "wind energy leading the global transition to a decarbonized energy supply". The programme fosters an international co-operation of 24 countries and sponsors members that share information and research activities to advance wind energy deployment. Achieving this goal is obviously very ambitious and we need to pool all the expertise that exists. IEA Wind TCP provides a unique framework for global collaboration in wind energy research and development, where grand challenges and potential barriers are addressed and worked on in international working groups - the IEA Wind Tasks. These cover areas from resource, site characterizations and external conditions to advanced technologies and energy systems with high amounts of wind energy. The less technical areas social, environmental, and economic impacts as well as communication, education and engagement are equally important. Task 48 provides a platform for the open exchange of ideas, experiences, and techniques for airborne wind energy systems. Launched in 2021, IEA Wind Task 48 on Airborne Wind Energy aims to build a strong community working together to identify and reduce barriers to the development and deployment of airborne wind energy systems. In doing so, it contributes to our mission of advancing wind energy research and communication through international collaboration.

*References:*

*[1] IEA Wind Task 48. Airborne Wind Energy. https://iea-wind.org/task48/*