



## IEA Wind TCP Task 45

**The purpose of Task 45 is to identify and mitigate the main barriers to the recycling of wind turbine blades.**


- **Phase 2** 2024-2028 (Phase 1 2021-2024)
- **81** participants
- **51** organizations
- **8** countries (Denmark, France, Germany, Great Britain, Ireland, Netherlands, Sweden, United States) and WindEurope
- <https://iea-wind.org/task45/>



**Phase 2** focuses on specific issues identified throughout the first phase

1. Robust wind turbine blade **waste prediction** (WP2.1)
2. **Reliable wind turbine data** to support recycling (WP2.2)
3. Harmonized **policies** on the recycling of blades (WP2.3)
4. **Economic viability** in the upscaling of recycling technologies (WP2.4)
5. Joint IEA Wind Task 45 / VDMA Roadmap on composite **recycling technologies** (WP2.5)
6. Shared vision on blade recycling with international **recommended practices** (WP4)

**WP1**  
Task management




**Task Manager**  
Justine Beauson  
DTU Wind (DK)




**Operating Agent**  
Derek Berry  
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**WP2**  
How to enable the recycling of wind turbine blades?




**2.1 Predictions**  
Alexander Vandenberghe  
WindEurope




**2.2 Data**  
Sherif Khalid  
NREL (US)



**2.3 Policies**  
Lykke Margot Ricard  
SDU (DK)



**2.4 Cost model**  
Niels Ludwig  
Fraunhofer IWES (DE)



**2.5 Roadmap**  
Haras Najib  
VDMA (DE)

**WP3**  
Communication and dissemination



**3.1 Awareness**  
Tom Andrews  
NCC (UK)



**3.2 Conferences**  
Leon Mishnaevsky Jr.  
DTU Wind (DK)




**3.3 Knowledge hub**  
Mitch Rencheck, EPRI (US)



Anne Valenturf, University of Leeds (UK)

**WP4**  
Preparation of recommended practice and connection to IEC



**4.1 Recommended practice**  
**4.2 Coordination with the IEC**  
Bernhard Krüger  
DNV (DE)

Justine Beauson  
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