



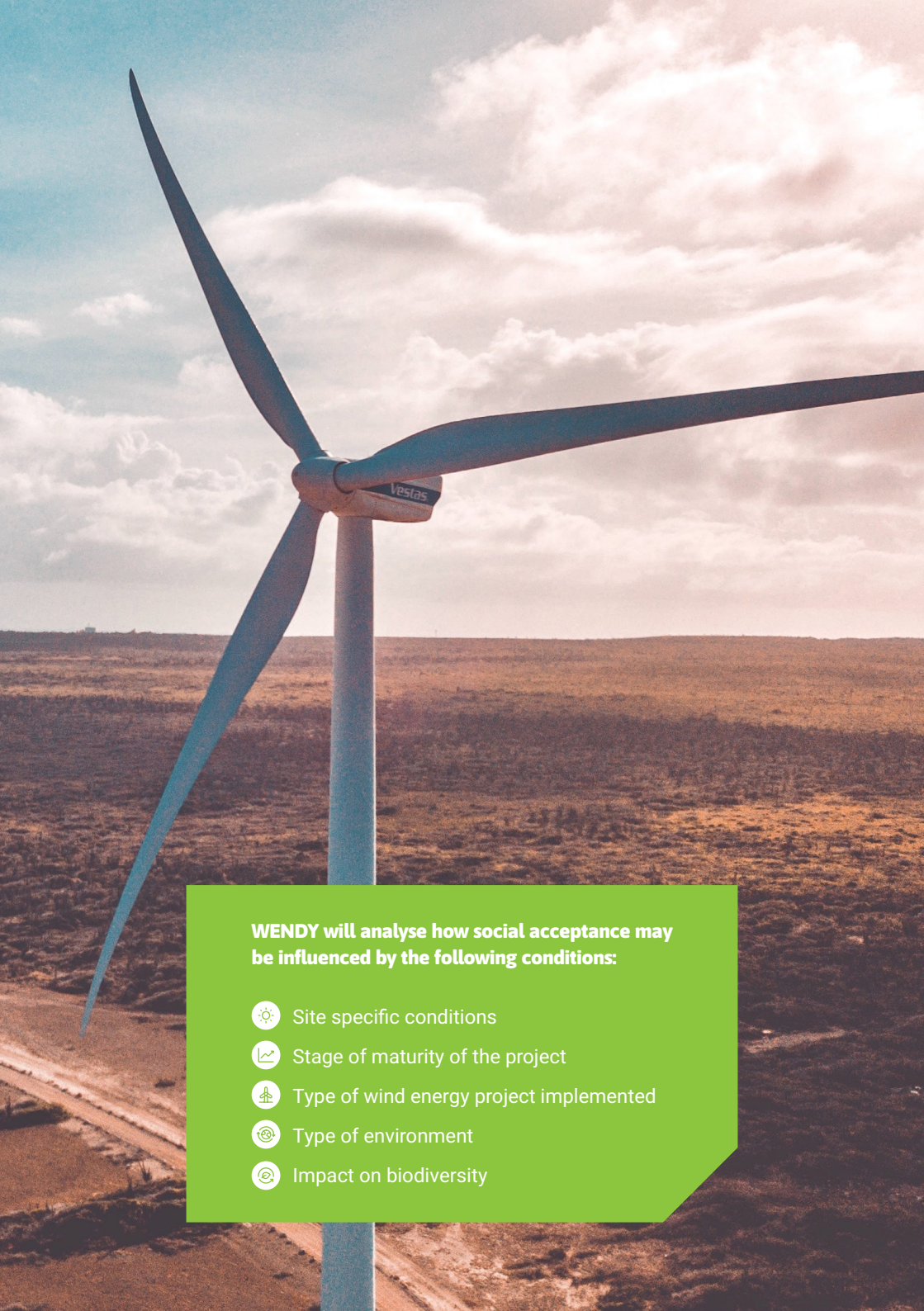
Unravelling the factors triggering social acceptance of wind farms








WENDY is a Horizon Europe project which aims to increase social acceptance of wind energy in local communities, moving from a NIMBY (Not In MY Back Yard) to a PIMBY (Please, In My Back Yard) principle. The project will implement a series of actions promoting the wider adaptation of the project solutions, including the WENDY toolbox. The toolbox will help identify the optimal location of turbines with the minimum environmental impact and highest social acceptance likelihood.

OBJECTIVES

- To disentangle the different factors of social opposition in wind farm development, considering geographical and contractual considerations.
- To develop validated methodologies evaluating the effects of wind farms on local natural environment and biodiversity and form a collection/repository on mitigation solutions.
- To develop a Holistic Impact Assessment: Establish and fine-tune a suite of supporting tools and models, equally considering social, environmental, and technological aspects, to identify the optimal turbines' location with the minimum environmental impact and highest social acceptance likelihood.
- To carry out a validation programme up to TRL 5 of the social, environmental and techno-economic actions, to prove their usefulness and applicability in different communities and cultures via 10 wind projects.
- To evaluate and validate the impact of WENDY's approach and empower the wider adoption of approaches and integrated modelling tools in wind farms' development, through knowledge transfer and replication activities.



WENDY will analyse how social acceptance may be influenced by the following conditions:

-  Site specific conditions
-  Stage of maturity of the project
-  Type of wind energy project implemented
-  Type of environment
-  Impact on biodiversity



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