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Bio: Professor Barthelmie joined Cornell University in 2014 as a Professor and Croll Faculty Fellow. She is also an Affiliate Professor in Wind Energy at the Danish Technical University. She previously held faculty positions at the Danish Technical University, Edinburgh University and Indiana University, and was a Fulbright Fellow in 2018. Professor Barthelmie's research group focusses on wind energy resources, wakes and operating conditions. Her work is thus at the intersection between mechanical engineering and atmospheric science. She conducts both full-field scale measurements using remote sensing instruments and multi-scale modeling for wind turbine deployments offshore and complex terrain.