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ABSTRACT

Sources of low-frequency noise and infrasound are found many places in the industrialized world, and it is difficult for the general public to separate fact from fiction, when it comes to the effects that the noise can have on human health and well being. As wind turbines have increase in size, the noise emission has also increased and the noise spectrum has shifted downward in frequency. Therefore, low-frequency noise from wind turbines has become a serious concern.

In Denmark this has resulted in additional rules regarding the permitted low-frequency noise from wind turbines, but the question remains as to how well the rules protect the neighbours from potential effects of the low-frequency noise.

The presentation will attempt to separate fact from fiction when it comes to low-frequency noise and infrasound. The focus will be on low frequency noise from wind turbines and the potential effect on the neighbours. An assessment of the Danish rules on low-frequency noise from wind turbines will be presented and examples of low-frequency noise measurements from neighbours will be shown.