

Risk of Collision between marine animals and tidal turbines

Annex IV Expert Forum

Monday 15th December

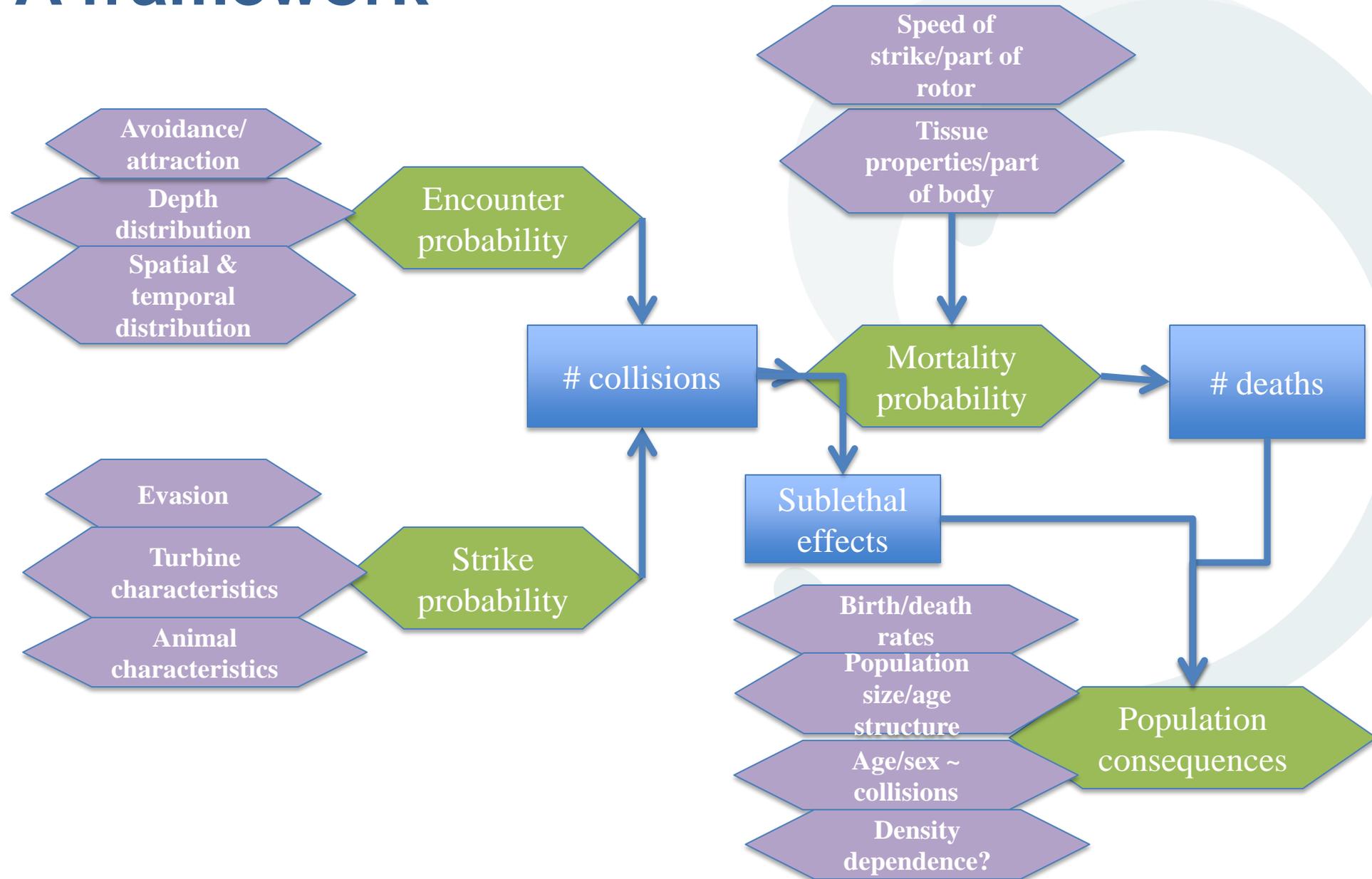
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Marine mammals and collision risk: A framework



Risk of Collision between marine animals and tidal turbines

1st in a series of 4 hour long online discussion sessions covering a range of topics relevant to this issue

- 1) Definitions (this one)
- 2) Understanding/predicting the consequences of collisions for individuals
- 3) Incorporating realistic animal movement into predictive models/what data to collect to best inform risk?
- 4) Overview of previous 3/ any gaps



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Definitions

1) Descriptions of an animal's ability to avoid a collision and relation to scale:

NEAR



FAR

Evasion

Avoidance

Near field avoidance

Far field avoidance

Macro avoidance

Micro avoidance



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Definitions

- 2) What is a strike?**
- 3) What is an encounter?**
- 4) What is a collision event or strike?**
- 5) When is an animal considered ‘at risk’?**



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Definitions – further questions to consider

Can we be consistent across taxa (ie fish and marine mammals) or do we need taxon specific definitions?

What can we learn from the bird & windfarm community?

What are the best techniques for measuring these? (encounter, strikes and avoidance?), what are their limitations