DIGITAL TWIN OF THE OCEAN: ANIMAL TRACKING
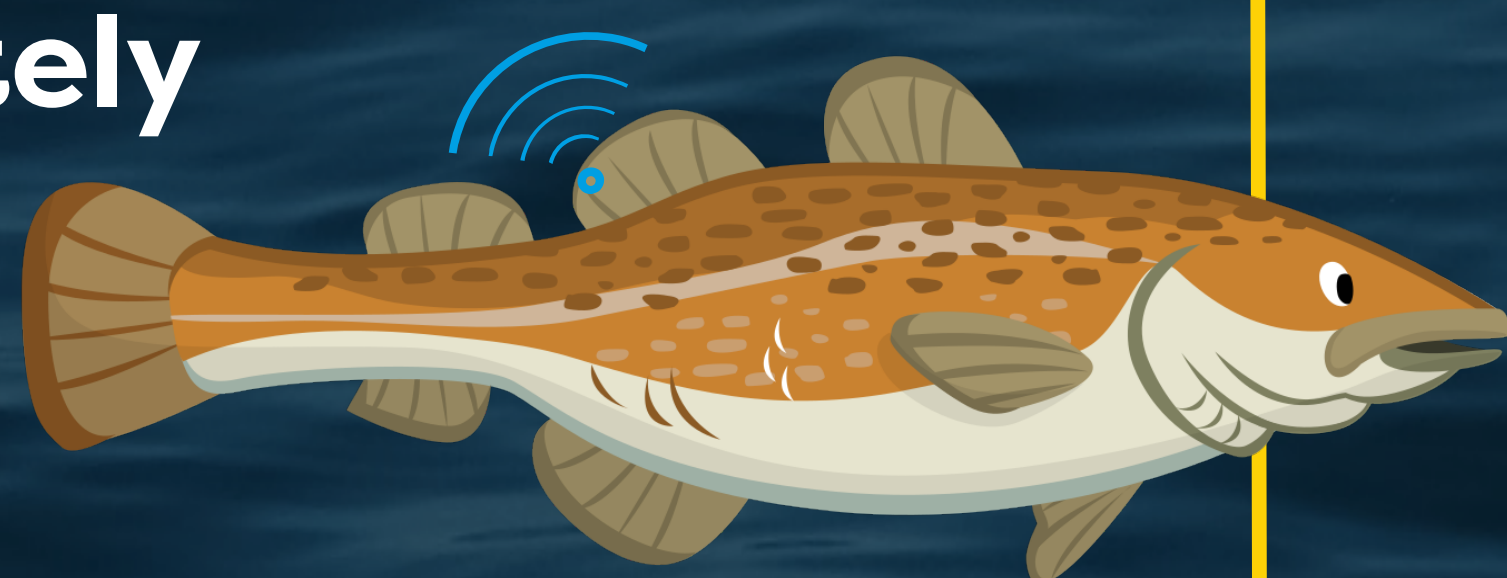
Turning fish into 0's and 1's to conserve North Sea habitats

DTO TRACK

Animal tracking, which is known in research circles as 'telemetry', is a method used to follow animals remotely

DTOTrack will use animal tracking data to create a Digital Twin of the North Sea, and address 'what if' questions related to offshore infrastructure development.

Data can elucidate when and where animals move, re-create animal movements at small and large scales, and lead to a better understanding of the spatiotemporal movement dynamics important for fisheries management, spatial planning, and conservation

" What if we expand windfarms – what does that mean for aquatic life?

OUR TEAM WILL:

1. Coordinate tracking efforts for highly migratory species

2. Map movements of species & ocean developments

3. Develop tools & methods to operationalise animal movement data as a digital twin

Availability of knowledge to decision makers remains limited, demanding tools such as digital twins to mobilise knowledge towards action

DTOTrack will build an **interactive platform** for end-users to make more informed decisions about North Sea biodiversity

Animal movement is an **Essential Ocean Variable** that has yet to be implemented into digital twins

FIND OUT MORE HERE
www.europeantrackingnetwork.org/dtotrack