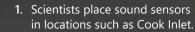
National Oceanic and Atmospheric Administration

Many Arctic species are at risk due to climate change and habitat degradation. But monitoring these animals and assessing their wellbeing is challenging. Now, the National Oceanic and Atmospheric Administration (NOAA) has teamed up with Microsoft on an initiative that uses Microsoft AI to find and monitor vulnerable marine species.



NOAA scientists want to monitor hard-to-study marine mammals like Beluga whales and Arctic seals to better understand their behavior and protect them.





1. Scientists take twin engine

plane flights over sea ice.

2. Sensors record beluga whale's vocalizations.

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2. They collect high resolution

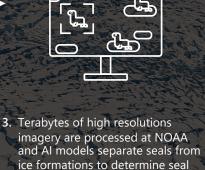
sea ice to determine seal

population counts.

multispectral imagery of the

((0))

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3. Terabytes of sound recordings are processed at NOAA and Microsoft

background noise such as

motorboats.

Al models separate whale calls from

NOAA uses this information to informed decisions about when and where these vital marine mammal species need protection.

make more



population counts.