



Global Irminger Sea Array - Ice Detection Model

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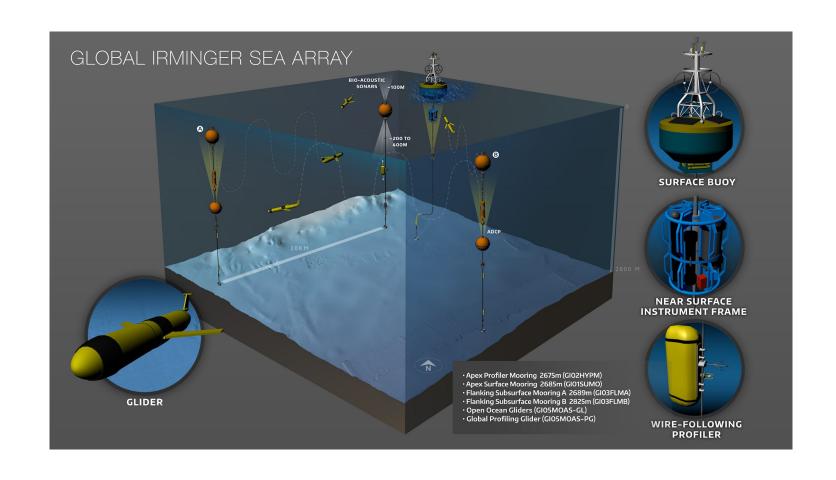




GLOBAL IRMINGER SEA ARRAY

Sensor Issues

- Cameras added to surface buoy
- Sensors were being iced over



GLOBAL IRMINGER SEA ARRAY

Data Generation

- Thousands of still image data generated by mooring cameras.
- Project idea: model to detect ice floes



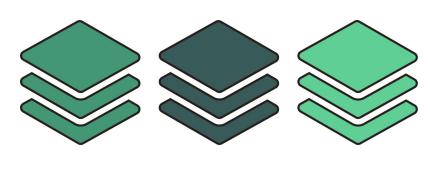




Data Prep







ANNOTATION





The Problem:

















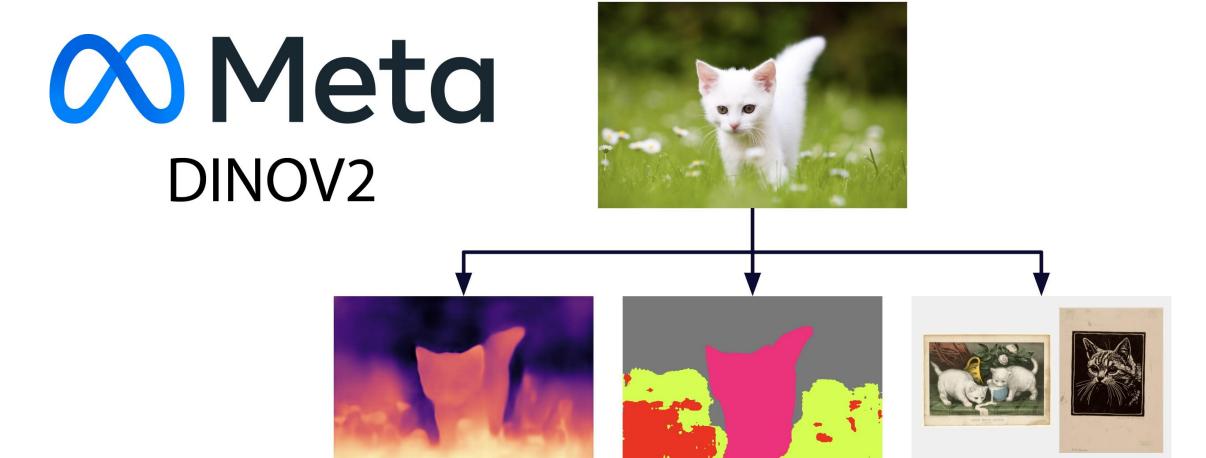


256K PHOTOS





The Solution:







The Solution:

Meta FAISS











The Results:









Next Steps:



NC STATE UNIVERSITY

BIOINFORMATICS RESEARCH CENTER

