



Geological Survey Ireland
Block 1. Booterstown Hall,
Booterstown, Blackrock,
Co Dublin
30th May 2022

Letter of support

I am sending this letter in support of the MICSAT proposal: MICSAT: Monitoring Ireland's Coastal areas through SATellite imagery using deep learning

I am currently senior staff at Geological Survey Ireland (GSI), Department of Environment, Climate and Communications (DECC) which I joined in 2001. I am also a member of the INFOMAR management team, the Irish national seabed mapping program.

In line with the Department of Environment, Climate and Communication mandate to promote solutions for climate change coastal challenges we strongly support the MICSAT initiative led by UCD University. We believe that the MICSAT project running in parallel with ongoing Earth Observation (EO) national monitoring initiatives can contribute to coastal climate plans.

As a collaborator on this proposal GSI will fully engage with the research program, supporting the PI in playing a remote sensing technical advisory role, facilitating access to marine INFOMAR data and GSI coastal products and acting as a liaison with national and local stakeholders.

GSI is part of the ESA funded Coastal Erosion consortium. As part of this project, 25 years of satellite data have been transformed into fully validated products. This legacy of Earth Observation products to monitor coastal change can greatly benefit from research projects such as MICSAT via cloud platforms accessibility and artificial intelligence.

In summary, I am very excited by this proposal that has the potential to create much needed value added to the ongoing EO national research.

I wish Prof Soumyabrata DEV every success with this proposal.

Yours Sincerely,



Xavier Monteys
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Geological Survey Ireland
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