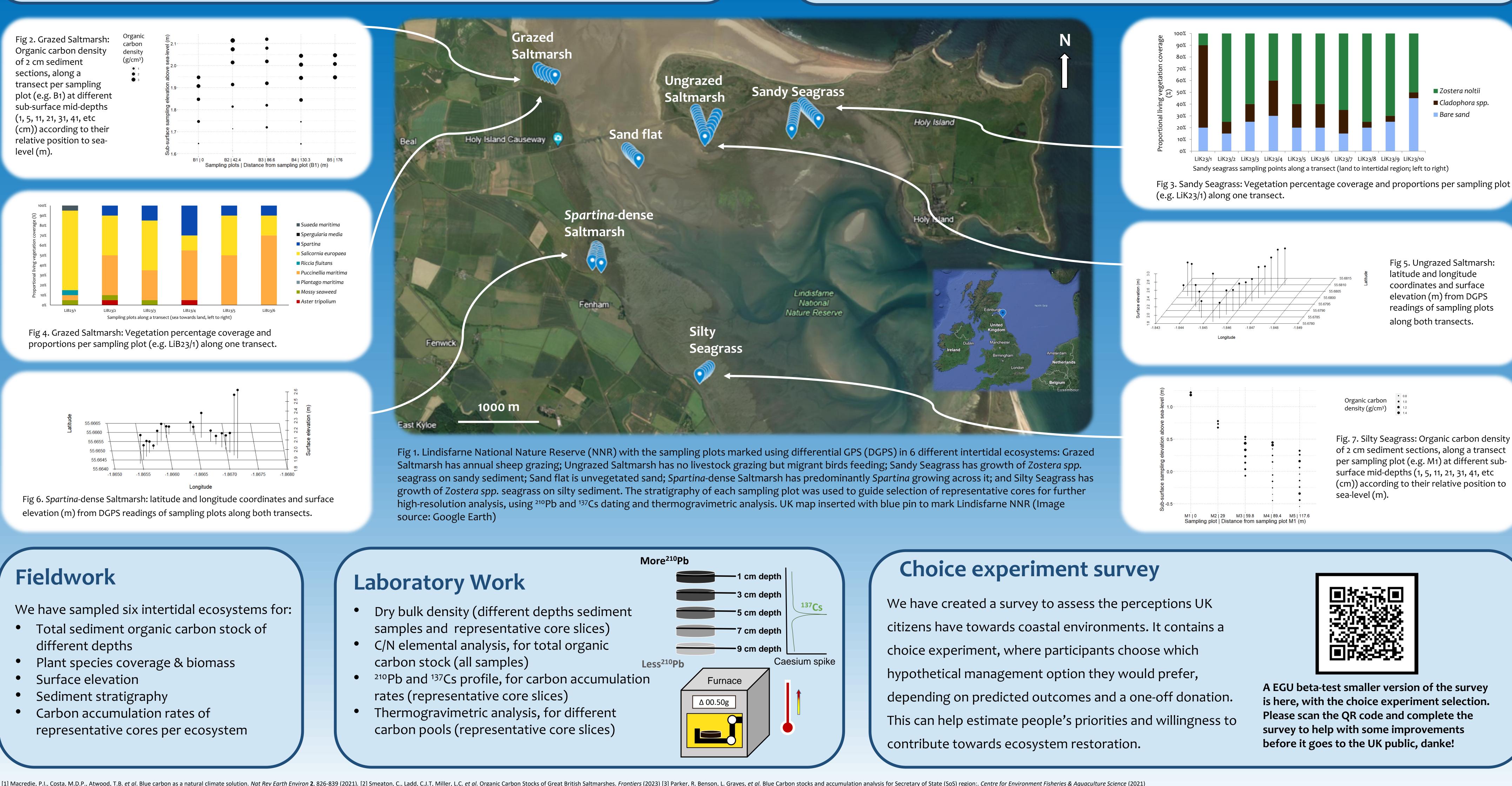
Intertidal blue carbon ecosystems and their socio-economic value at Lindisfarne, northern England

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Blue carbon intertidal ecosystems

Intertidal ecosystems offer many ecosystem services which benefit local communities, including flood defence, feeding grounds for migrant birds and fish nurseries, etc. They have also been noted as efficient carbon sinks, termed "Blue carbon", and are being explored as a nature-based solution to climate change ^[1].





Lindisfarne National Nature Reserve (NNR)

The Holy Island of Lindisfarne, UK, has a resident population and many visitors due to its ecological aesthetics and cultural significance. Its intertidal region, Lindisfarne NNR, contains saltmarshes, seagrass meadows and tidal flats, managed by Natural England. Previous study here indicates the saltmarshes are efficient at carbon storage [2], and Lindisfarne seagrass can inform an important UK data gap for these ecosystems ^[3].

