Background

The Falkland Islands are nearing completion of clearance of the minefields across the islands. Concern over the recovery of the environment within these minefields has become an important topic discussed by the Falkland Islands Government.

Problem

The Falkland Islands Government needed to assess the health of the vegetation and the rate of recovery in the cleared minefields. Its goal is to know when areas have reached a point of recovery where they can remove the fences and reincorporate the land into the community.

Solution

Using GIS and remote sensing, the project focused on the development of a custom Habitat Recovery Toolbox which allows the Falkland Islands Government to analyze the cleared minefields to assess the recovery process of the environment.

Habitat Recovery Toolbox

Assess Recovery

Assess the vegetation health from multispectral images by performing NDVI analysis

Compare NDVI

Compare NDVI analyses with multispectral images from different dates

Images provided by
Amusing Planet  -  https://www.amusingplanet.com/2015/03/the-penguin-population-that-thrives-on.html
Design You Trust  -  https://designyoutrust.com/2015/12/thriving-penguin-population/
Science Photo  -  https://www.sciencephoto.com/media/341942/view/minefield-road-sign

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