

Geodesign for Coastal Management

Hrishikesh Ballal
May 2018



G E O D E S I G N H U B

Geodesign Hub

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- Open cloud-based design platform
- Designed to link with other tools and software
- It aims to be as simple as possible: easy to learn, setup and use (and most importantly to understand)

When should you use it?

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- Contested Site(s)
- Conflicting politics
- Negotiated Settlements
- Hard Strategy problem
- Early stages

How can it help you?

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- Professional network with expertise
- Provide method, technology for negotiations
- Utilize with advanced technologies for your geo-problems

Cromane, Co. Kerry



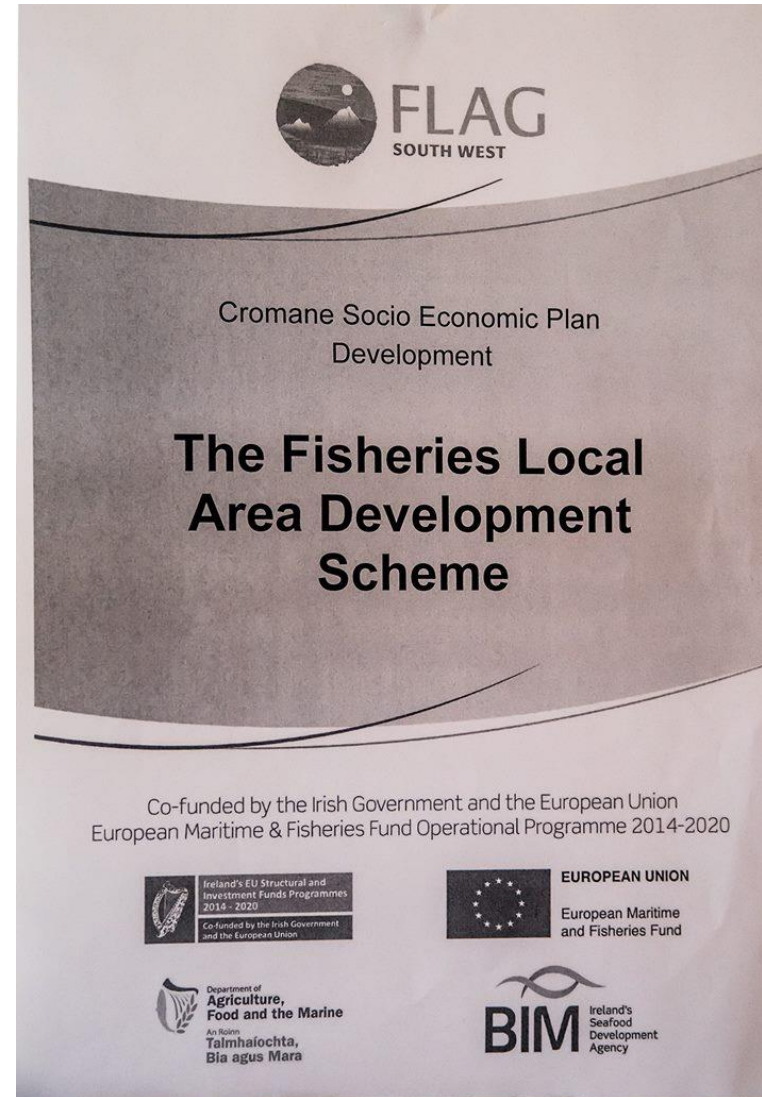


The problem

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- Socio economic development strategy :
 - Tourism Development
 - Marine / Fisheries Management

The problem



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Source: www.kennellyarchive.com



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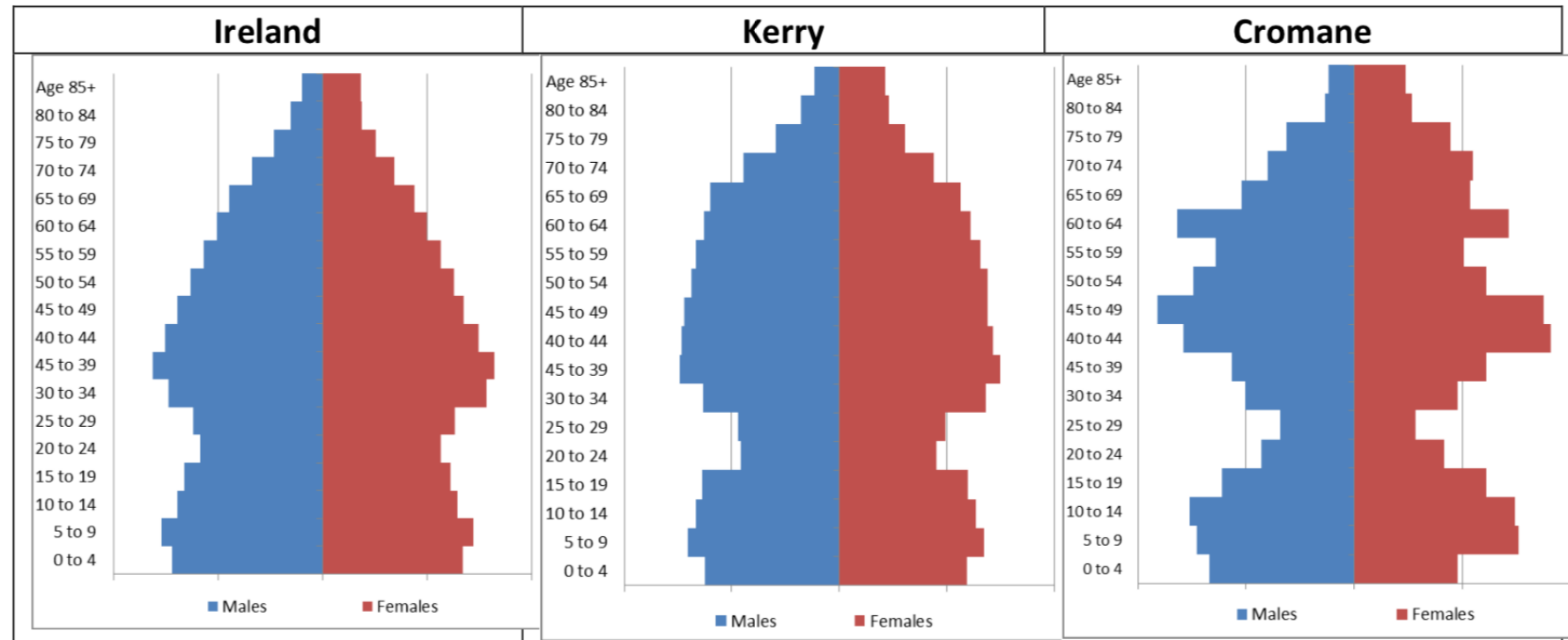
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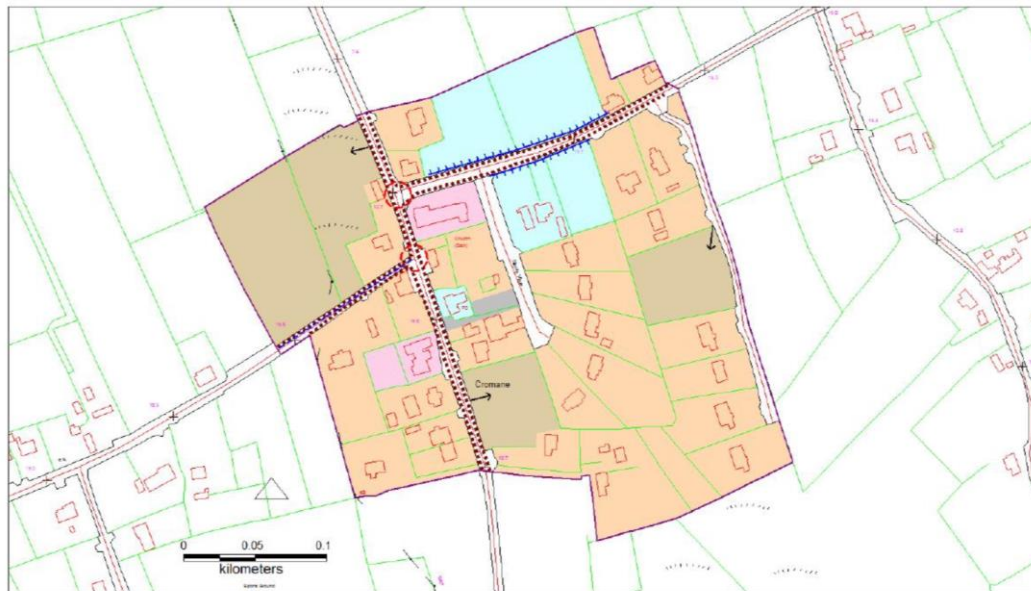
Socio-Economic Profile

Fig. 2: Population Pyramids for Ireland, Kerry and Cromane, 2016.



Prior work

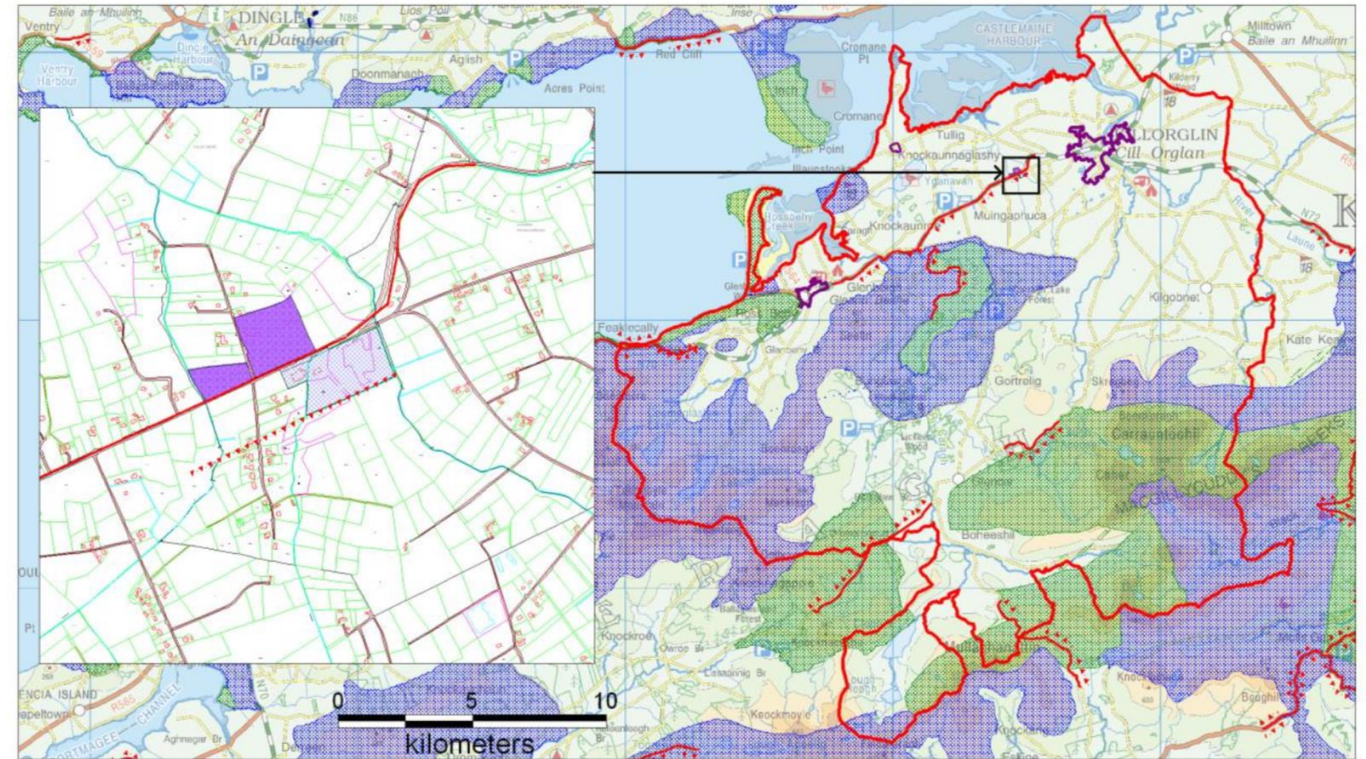
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Cromane
Land Zoning Map
19th July 2010

Legend:

- Residential (existing)
- Mixed Use
- Residential (proposed)
- Industrial / Community
- Waste Use Strategies
- Road Improvements
- Footpath / Provisional Improvements
- Dispersed Boundary
- Carpark
- Junction Improvements
- Indicative Access Points



Killorglin Functional Area
Map Ru1 Rural Area Zoning
19th July 2010

Kerry County Council
Planning Policy Unit



Base data

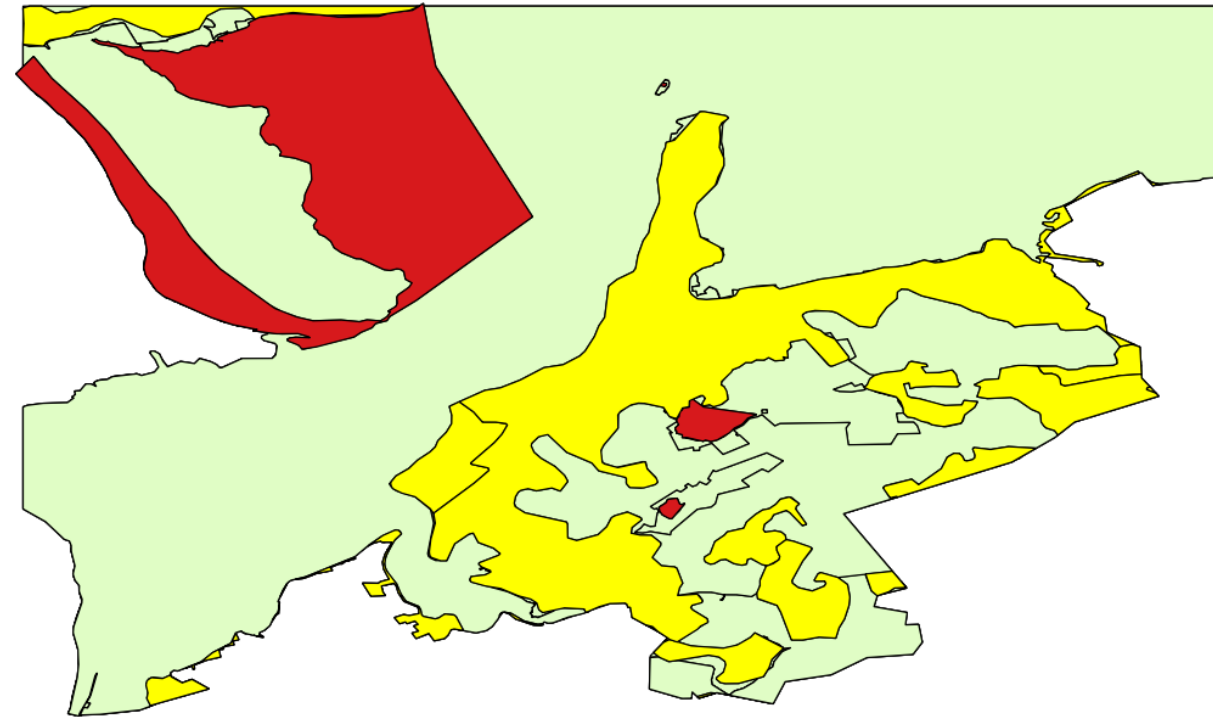
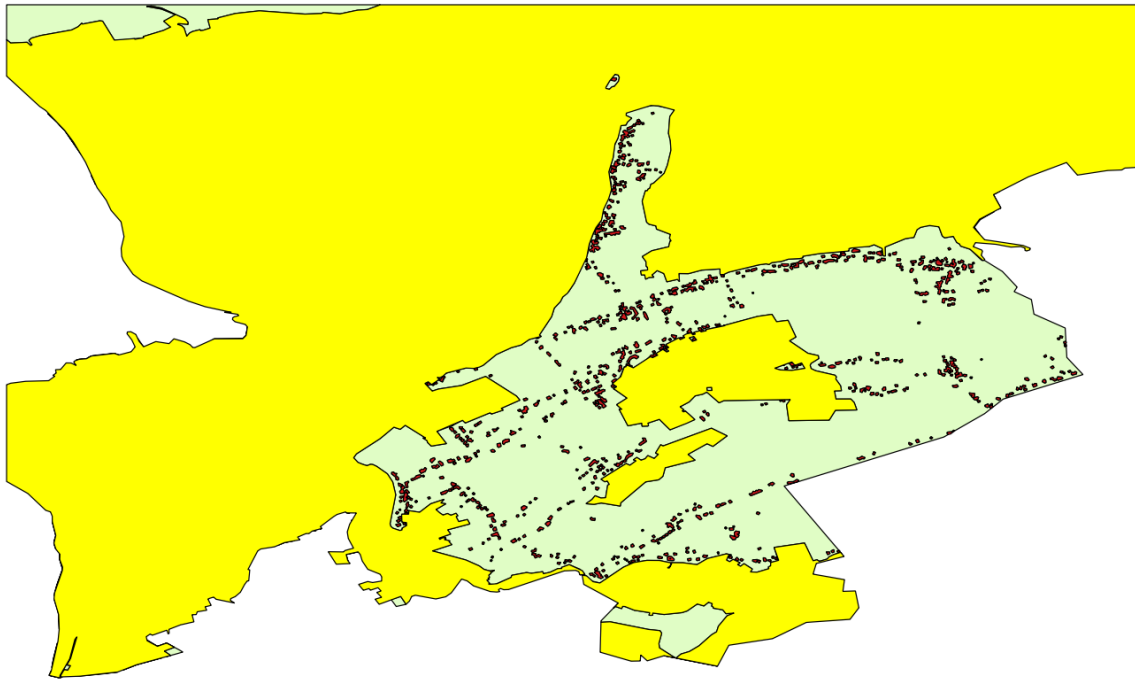
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- History Culture
- Fish
- Transport
- Housing
- Environment
- Agriculture
- Pier
- Tourism
- Community Facilities

Base data

Housing and Environmental Assessments

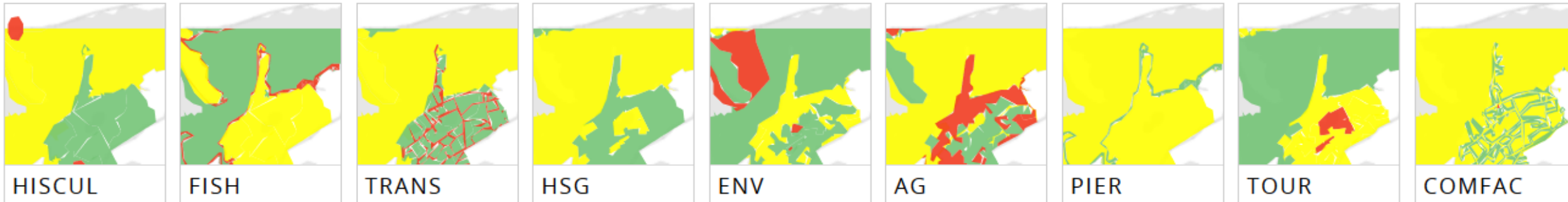
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Existing Not Appropriate Capable Suitable Feasible

Base data

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Existing Not Appropriate Capable Suitable Feasible

Workshop



HISCUL


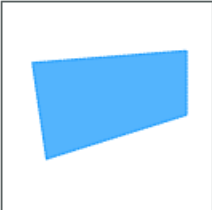








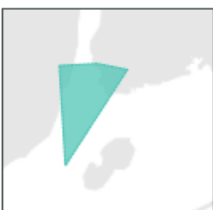





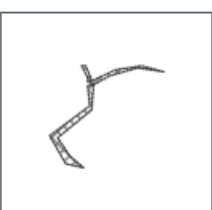
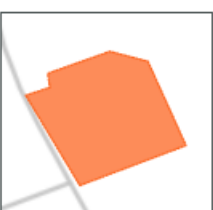
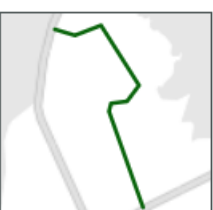
FISH

TRANS

HSG

ENV


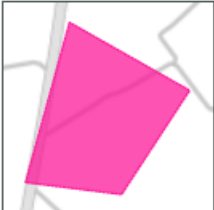
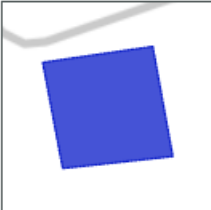
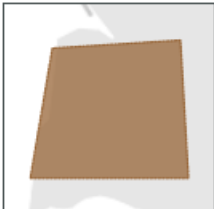



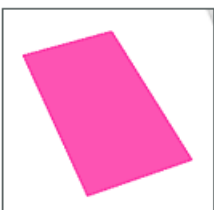


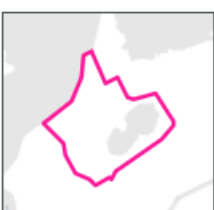
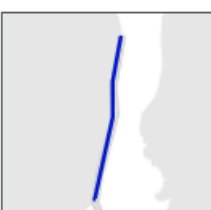
AG

				
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PIER












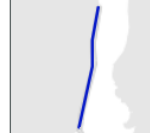
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HISCUL	FISH	TRANS	HSG	ENV	AG
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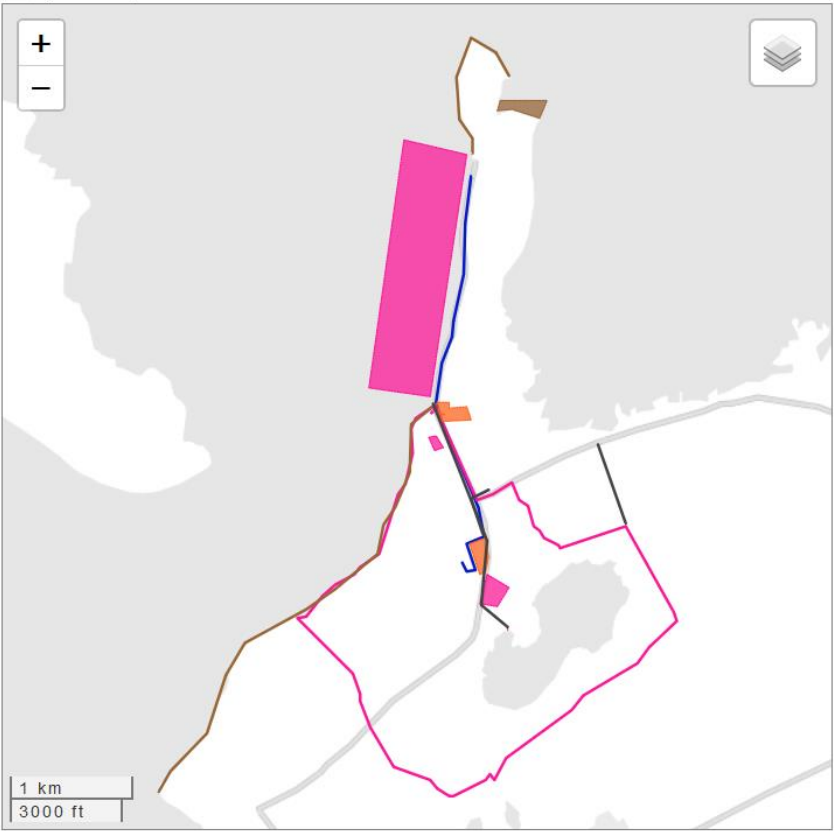
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HISCUL ☒ FISH ☒ TRANS ☒ HSG ☒ ENV ☒ AG ☒

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PIER ☒ TOUR ☒ COMFAC ☒

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Workshop

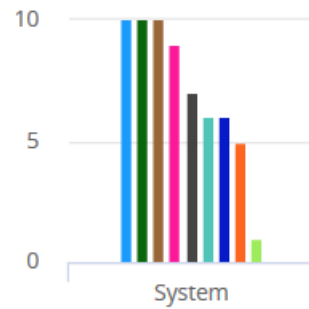


Negotiation

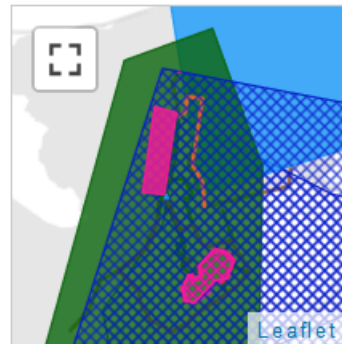
EDEV

Enterprise ▼

DECISION MODEL



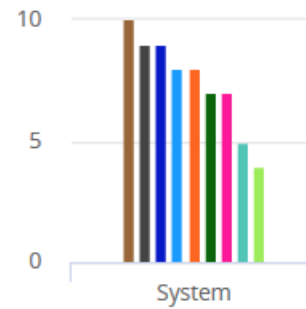
SYNTHESIS MAP



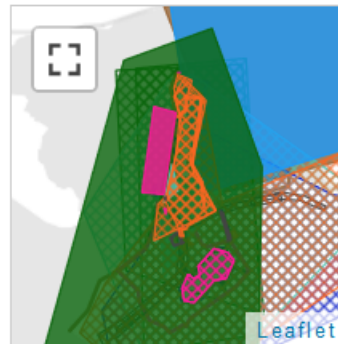
COMM

Cromane1 ▼

DECISION MODEL



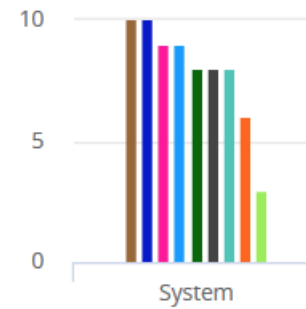
SYNTHESIS MAP



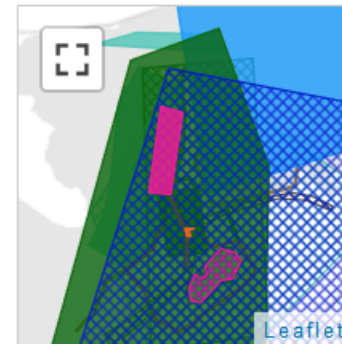
AGCY

Agencies_1 ▼

DECISION MODEL



SYNTHESIS MAP



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Negotiatio

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Strategy release

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The 2018 Rose Contesants with the 2017 Kerry Rose Breda O'Mahony at the Kingdom Greyhound Stadium Tralee on Saturday evening. heard.

BLUE SKIES AHEAD FOR CROMANE

COMMUNITY IN CROMANE GATHER TO FORM ROADMAP TO DEVELOP THE REGION

By SINEAD KELLEHER

THE development of a pier in Cromane has emerged as one of the key strategies to help regenerate the area in a new socio-economic plan which was launched last week as 'a clear roadmap for development of the region'.

A site has been identified on the north-east of the Cromane peninsula for the development of a pier but, despite years of campaigning, no progress has been made on this vital project.

Broadband, planning permission and a new sewerage scheme are also high on the list of priorities, identified by the local community, for the region in the new plan.

Cromane Community Council's Socio-Economic Development Plan 2018-2022 is one of the first of its kind in the country and was drawn up in consultation with the local community and was facilitated by Paul O'Raw of O'Raw Consultants and Dr Brendan O'Keefe of the Institute of Action Research. It was funded by Flag funding. Local bodies also supported the development of the plan which took more than a year to complete.

The plan was officially launched at Jack's Coastguard Restaurant in Cromane last Friday by Minister for Tourism, Brendan Griffin, who said that the plan "is a fantastic blueprint to drive forward between here and 2022".

Chairman of socio-economic planning group, Liam Hayes, said that now that the plan is in place the next step is to implement it.

"This is a real reflection of the wants and needs of the people of Cromane. This plan represents a new chapter in Cromane's history. It sets out a clear roadmap for development with specific targets and time-frames."

The construction of a pier is one of the highest priorities for Cromane according to the plan and it is hoped that the local community and the fishing industry can work together to achieve this goal.

Other plans include the development of the lake, including kayaking and walking facilities, safe cycling and walking routes, and a water sports pier. History and cultural plans are also included and the development of community facilities including funding to undertake a study to identify the gaps in community facilities in the area.

Key projects highlighted in plan:

- The construction of a pier
- Sewerage scheme
- Feasibility study for a Marina
- Repair embankments, install rock armour
- Feasibility study for the development of a community managed camper caravan park
- Development possibilities for the old boat house
- Develop a series of walk-ways and cycling routes
- Establish a housing forum and address unoccupied dwellings
- Build footpath from the school to the village centre and develop car park at the school

Minister Brendan Griffin with local organisations, council members and members of the local community in Cromane who helped with the new plan. Photo by Sinead Kelleher.

Kids

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Geodesign problems

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- Irish Coasts
- Borders
- Heritage
- Tourism
- Using open-data and open-source tools

Geodesign problems

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placeagency @placeagency

The role of the government is not just to deliver better services but to enhance the capacity of their community to meet their own requirements. Embedding shared value and place capital to their strategies. Ethan Kent @ the great place debate #PlaceWeekVic pic.twitter.com/gD4fR2Uneg

