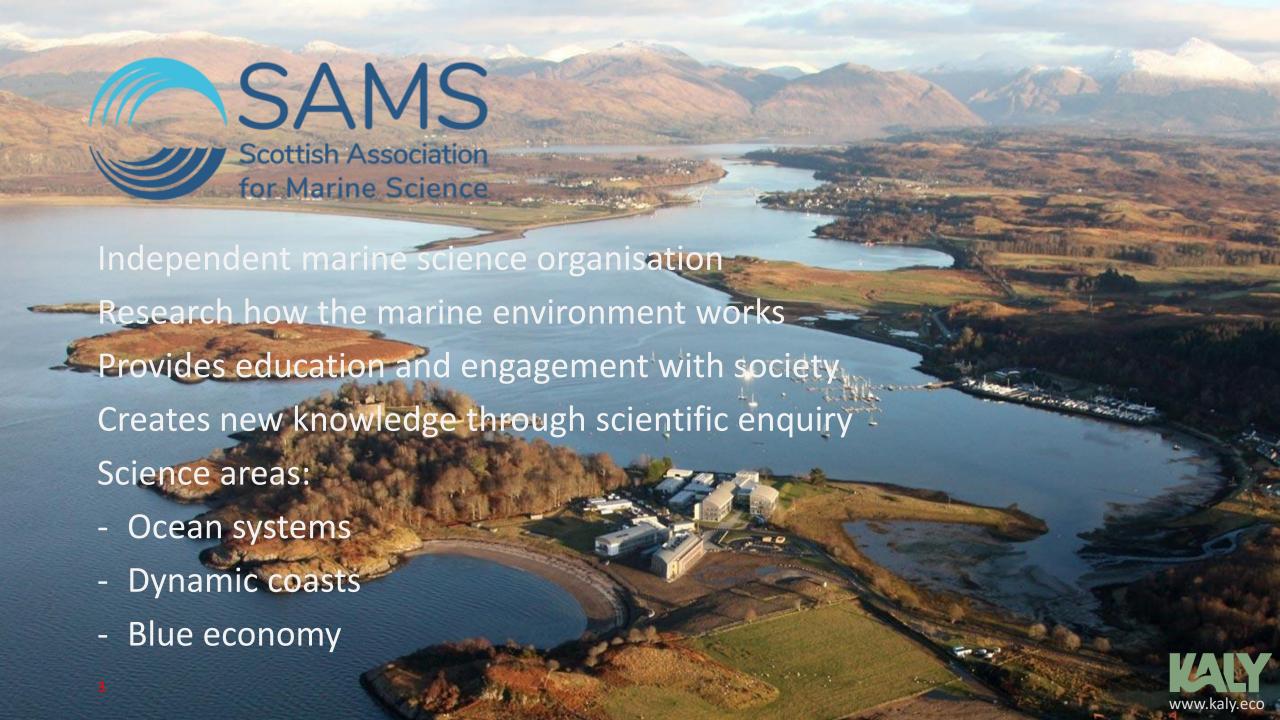


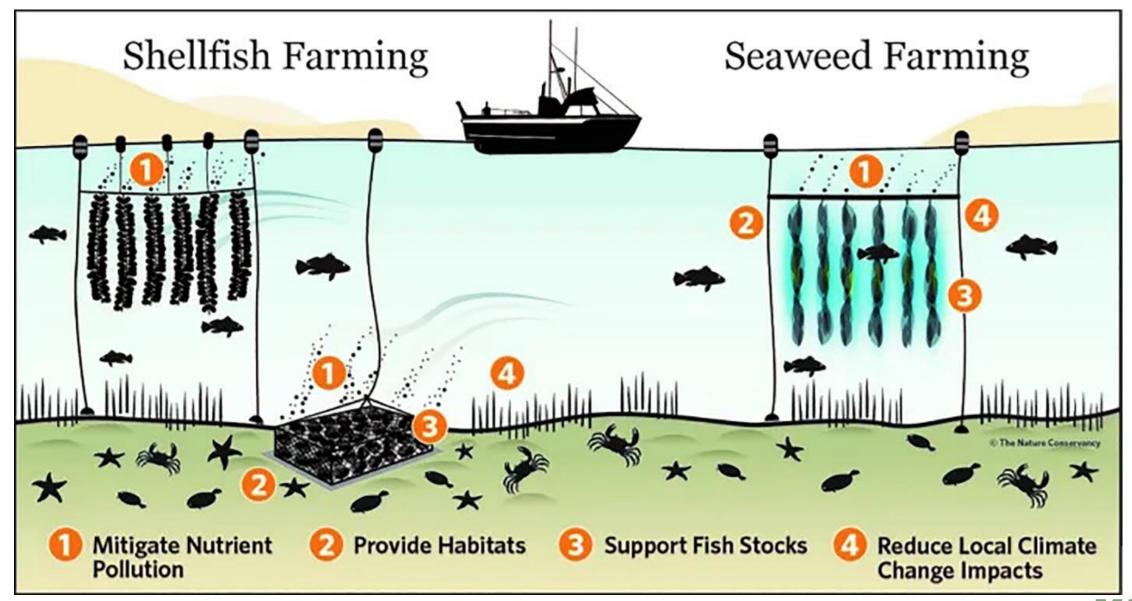
# Loch Bay Kelp Farm

PUBLIC MEETING 2<sup>ND</sup> FEBRUARY 2023













# Bren Smith Founder of GreenWave My Hero!

- Born in Newfoundland
- Former commercial fishermen
- Pioneer of restorative 3d farming
- Owns thimble island ocean farm.
- Grow kelp feed the world
- Create millions of jobs
- Protect our planet
- Change how we think







- Breath life back into our planet
- Train and support ocean farmers
- Work with coastal communities
- Create a blue economy
- Grow seaweed
- Scale demand for kelp
- Digital farm design
- Kelp climate fund





# COP26 THE GLASGOW CLIMATE PACT

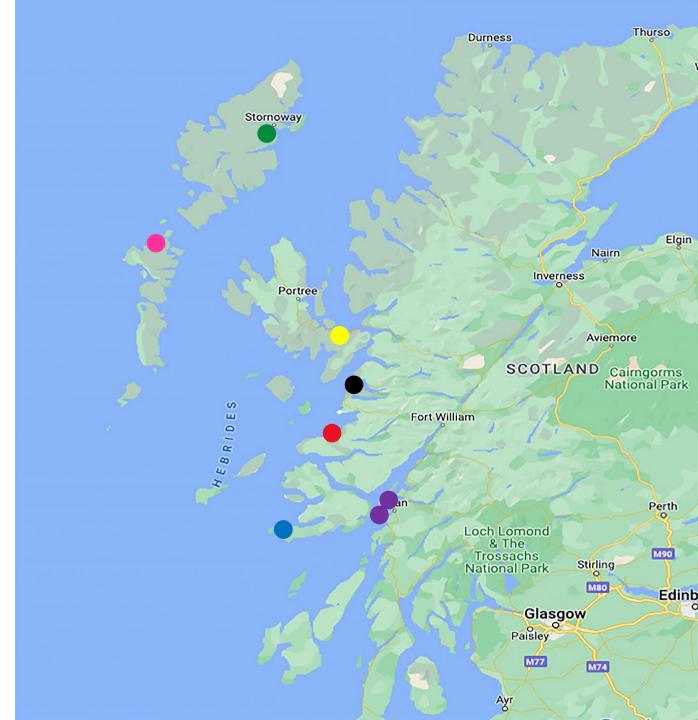
**OCTOBER 31ST 2021** 



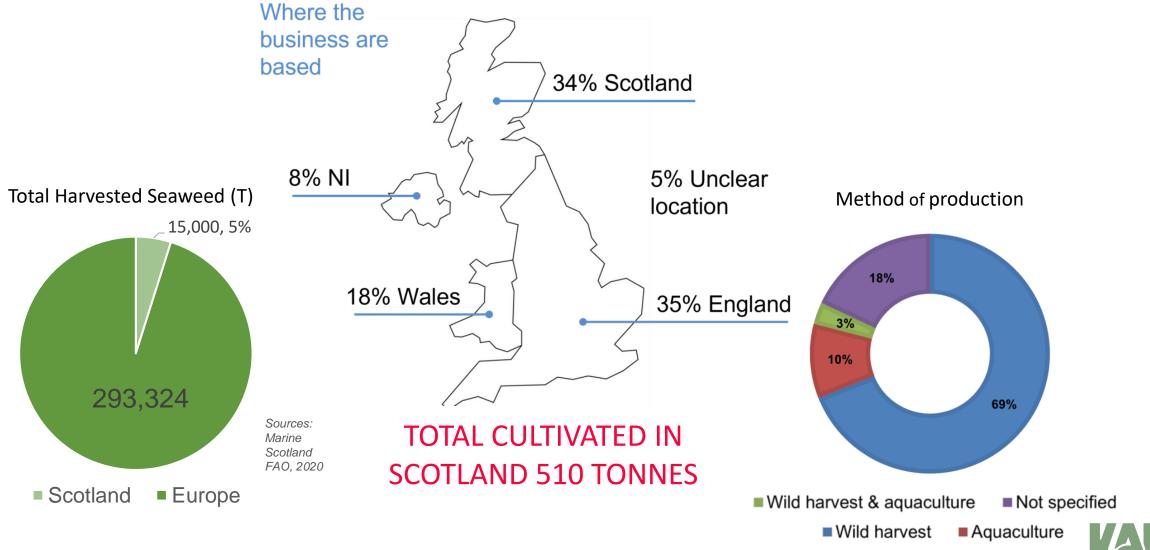


## Seaweed Farming and Wild Harvest in Scotland

- Kelp Crofting, 13 hectares
- Kilchoan Estate, <5 hectares
- Atlantic Mariculture, 15 hectares
- SAMS Research Farms, c. 35 hectares
- **SWMID (Aird Fada)**, 50 hectares
- Hebridean Seaweed, wild harvest
- **Uist Asco**, wild harvest

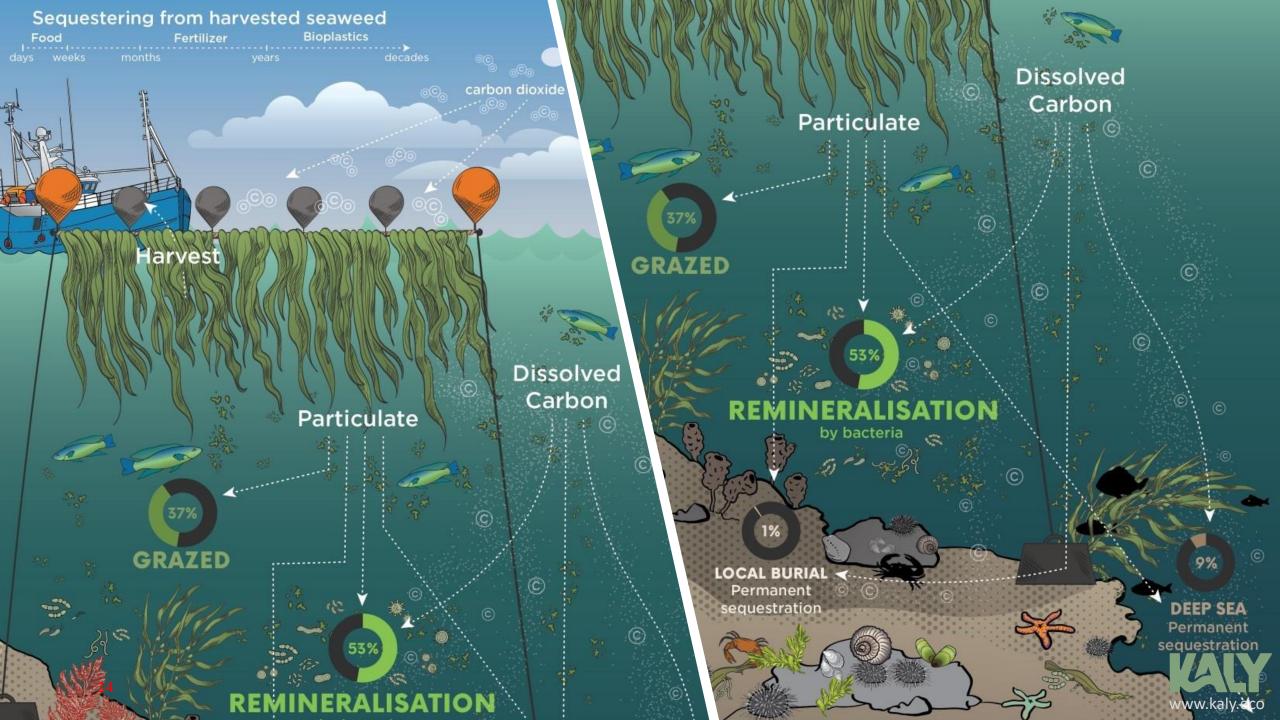


#### Seaweed Farming and Wild Harvest in Scotland









#### SAMS Academy

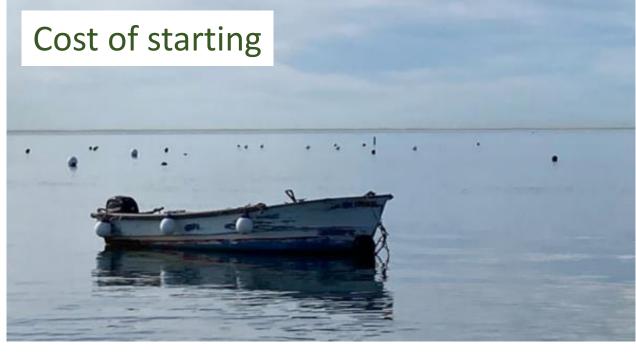
- Scientific collaborators
- Continuous training
- Study at SAMS
- Knowledge of marine
- Mitigate climate change
- Mitigate habitat destruction
- Sustainable blue economy
- Marine environment to benefit people















#### KALY Team to Test the Idea





















#### KALY Formed - 18<sup>th</sup> January 2022









#### Our Vision is simple

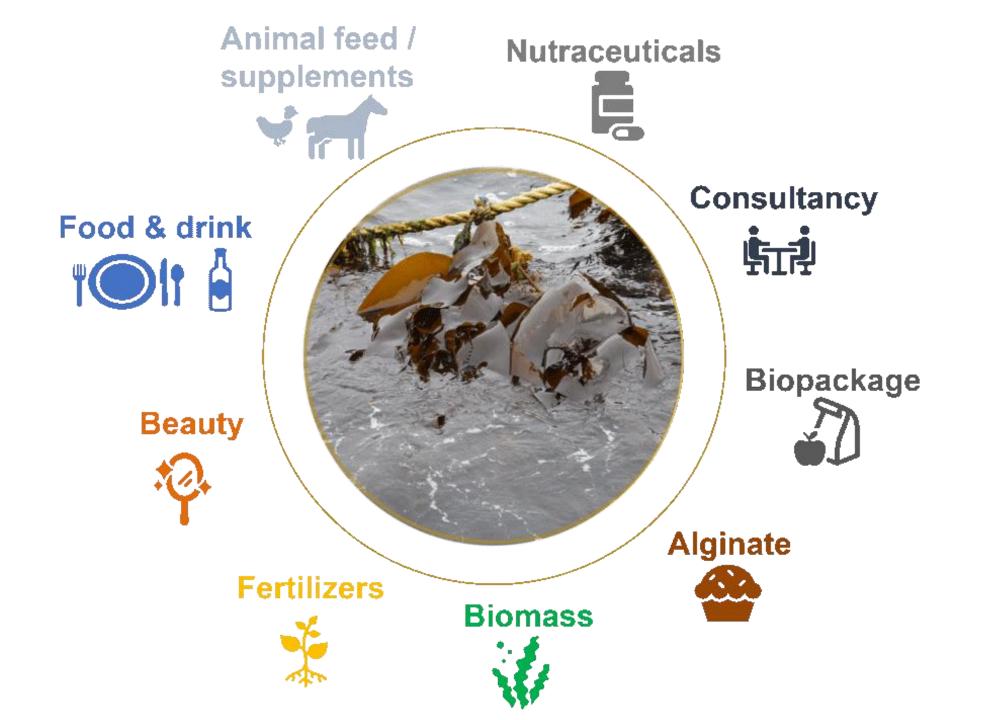
# Grow Seaweed Involve Local Communities Improve our Marine Environment



#### Loch Bay Farm Model

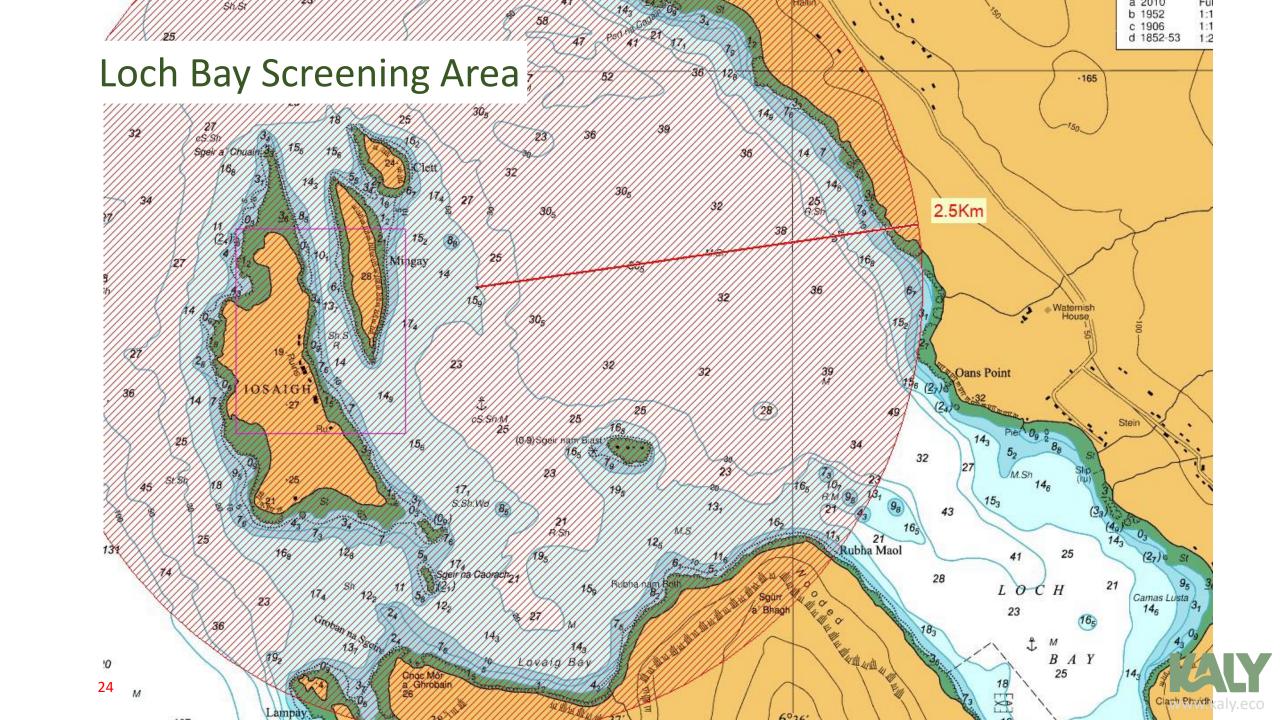












#### Loch Bay Potential Sites

#### We Consulted With

Crown Estate Scotland

Marine Scotland

Nature Scot

Royal Yachting Association

Northern Lighthouse Board

#### ... And Also

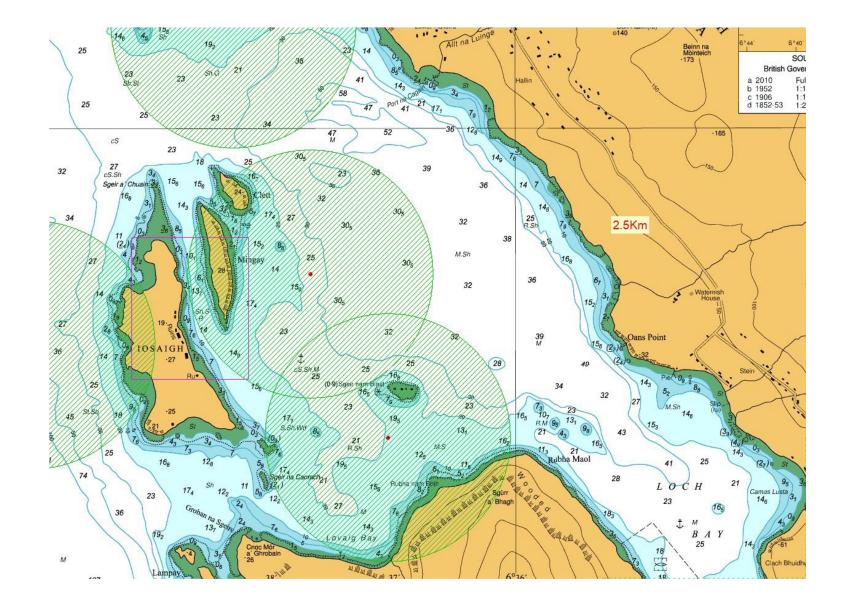
Local Fishermen

Loch Bay Users

Marine Biologist

Kelp Farm Designer

Residents

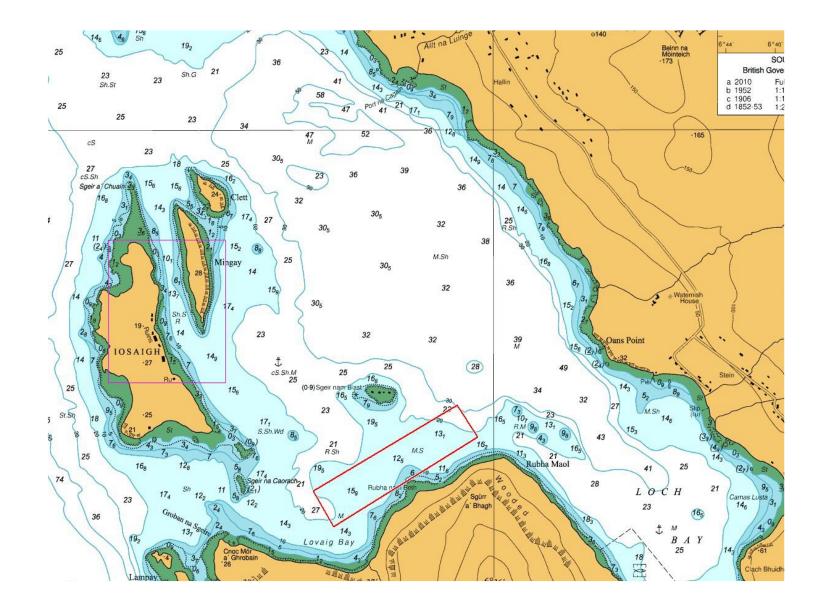




#### Site Selected

- Prototype Farm
- Training
- Research & Development
- Centre of Excellence

Dimensions		
W	300 m	
L	1350 m	



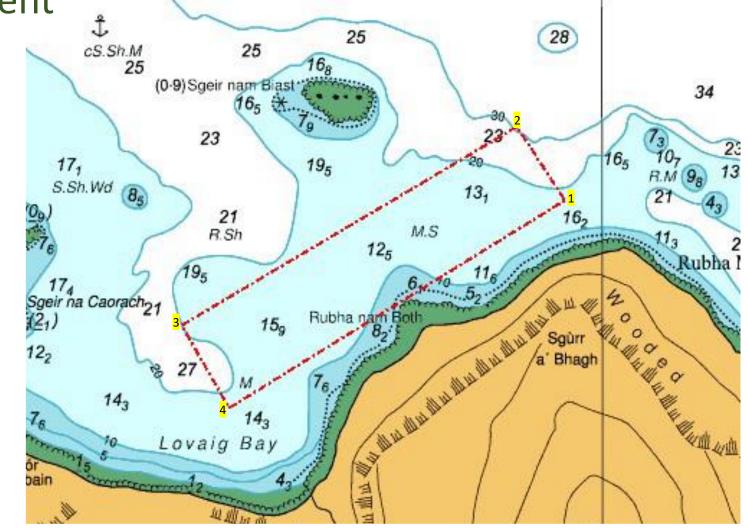


Lease Option Agreement

Extent		
Site Area	40.5 Ha	
Growing Area	16 Ha	

Kelp Yield			
Year 1	344 Tonnes		
Year 2	1118 Tonnes		

Boat Trips			
Year 1	20		
Year 2	65		







#### **Statutory Bodies**





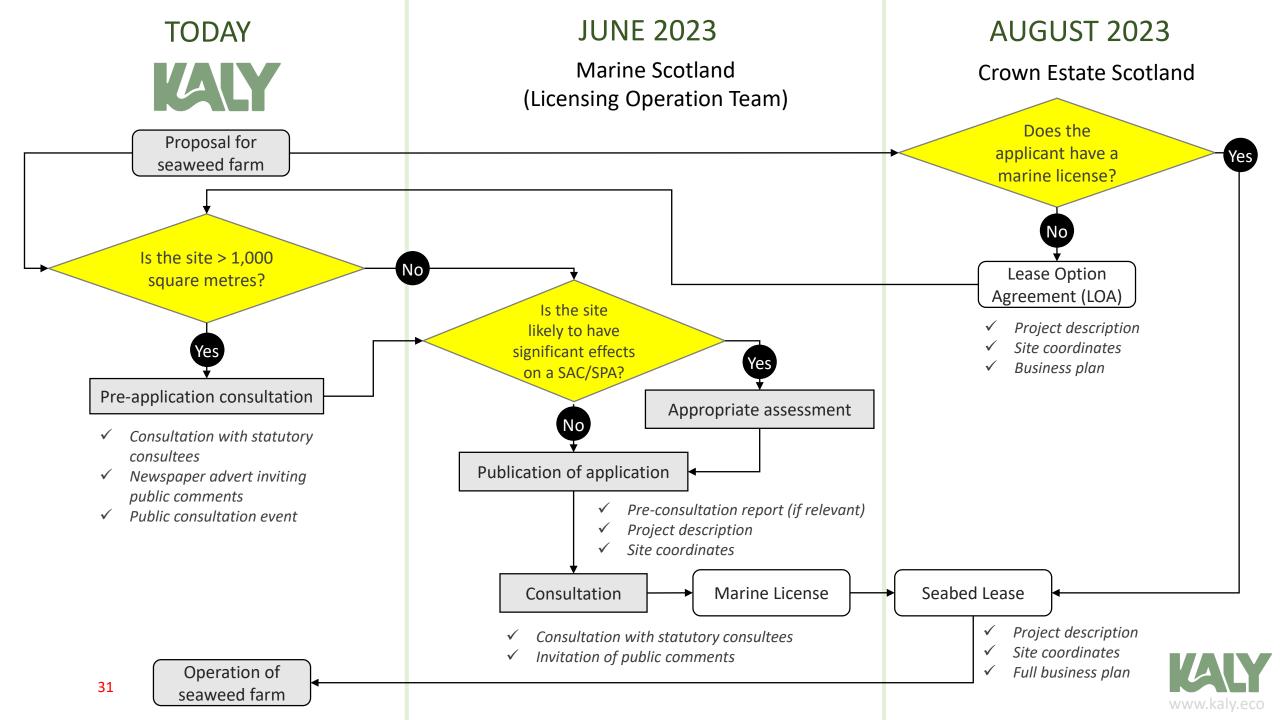


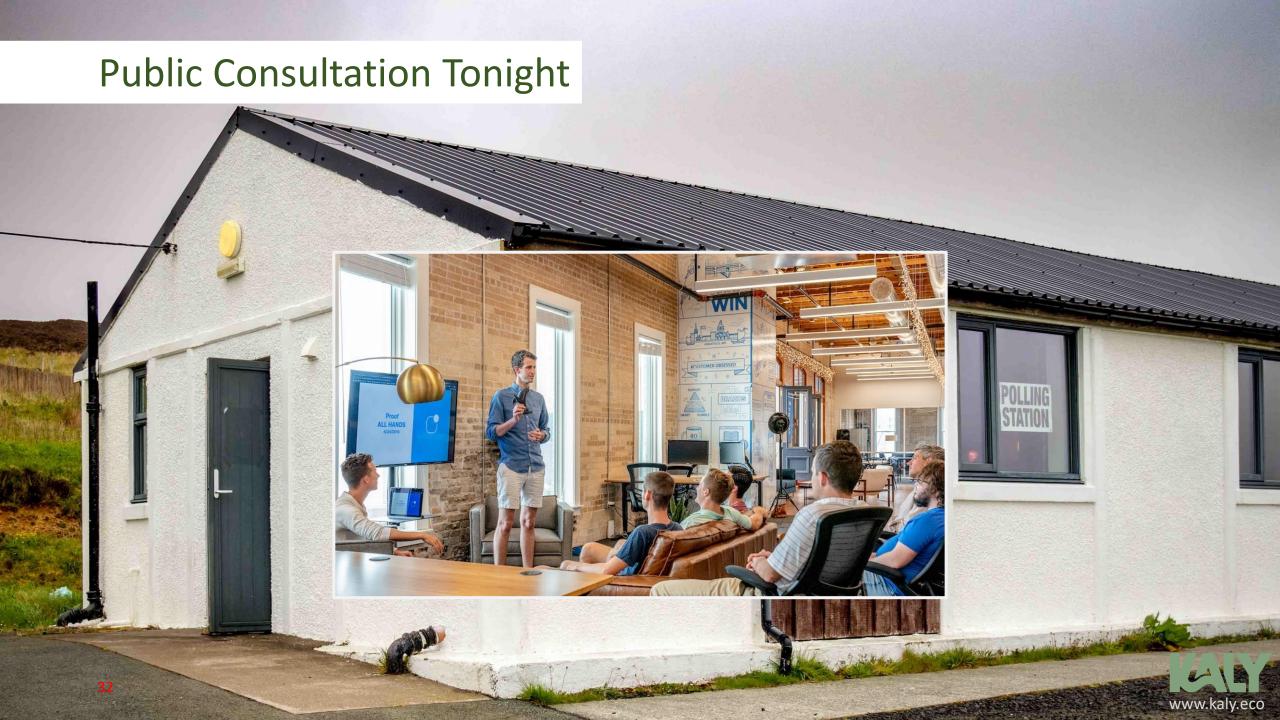


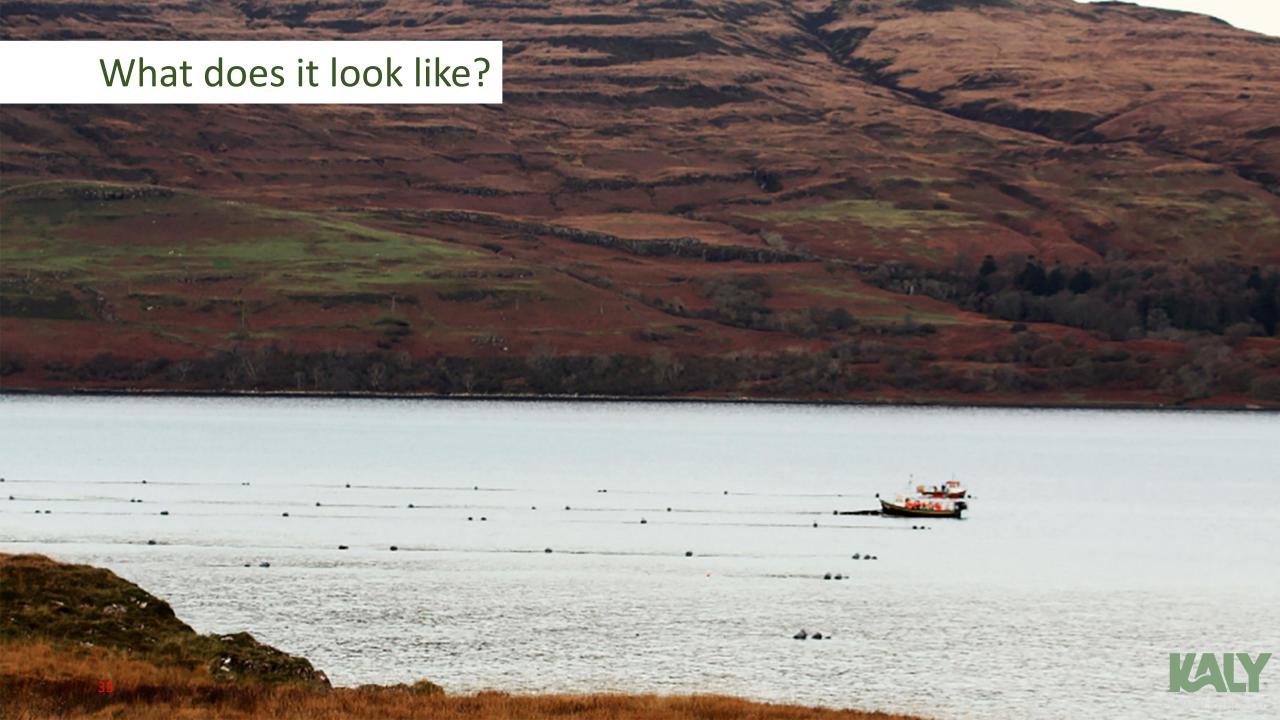




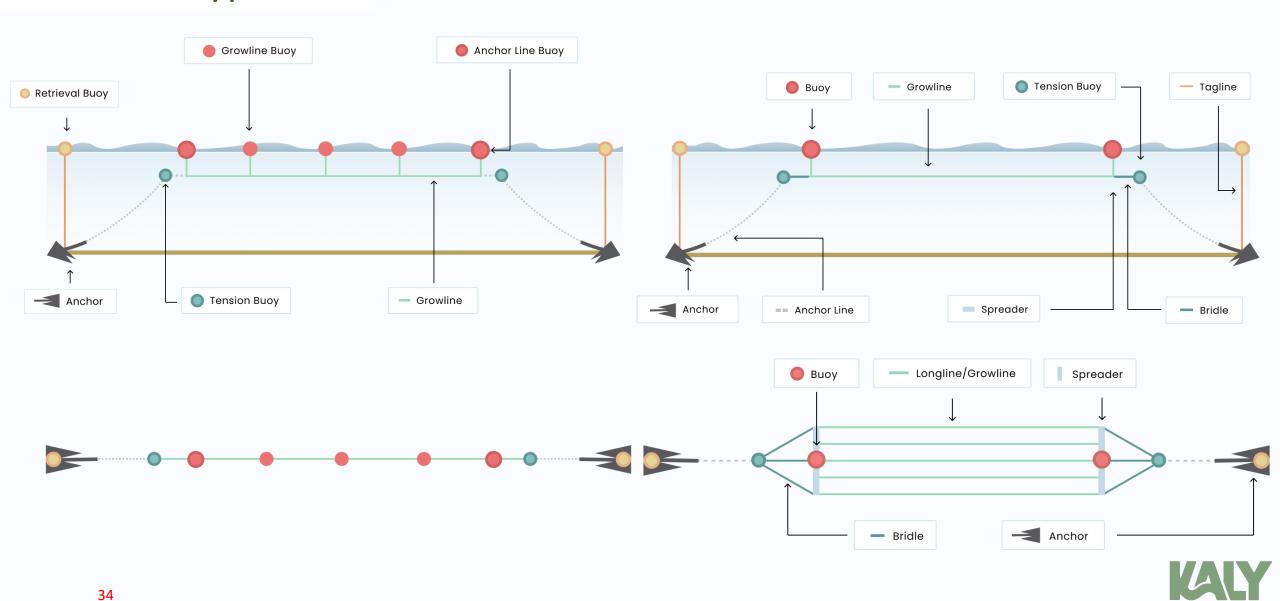








#### Prototype Farm



## Growline Catenary Framing Line Prototype Farm Buoy — Tagline Retrieval Buoy **Anchor** = = Anchor Line



#### Viewing Points

- Trumpan Churchyard
- Waternish Hall, War Memorial
- 3 Lusta, by the Thatched Cottage
- 4 Skyeskyns Car Park
- Stein Inn































































ww.kaly.eco

#### Businesses















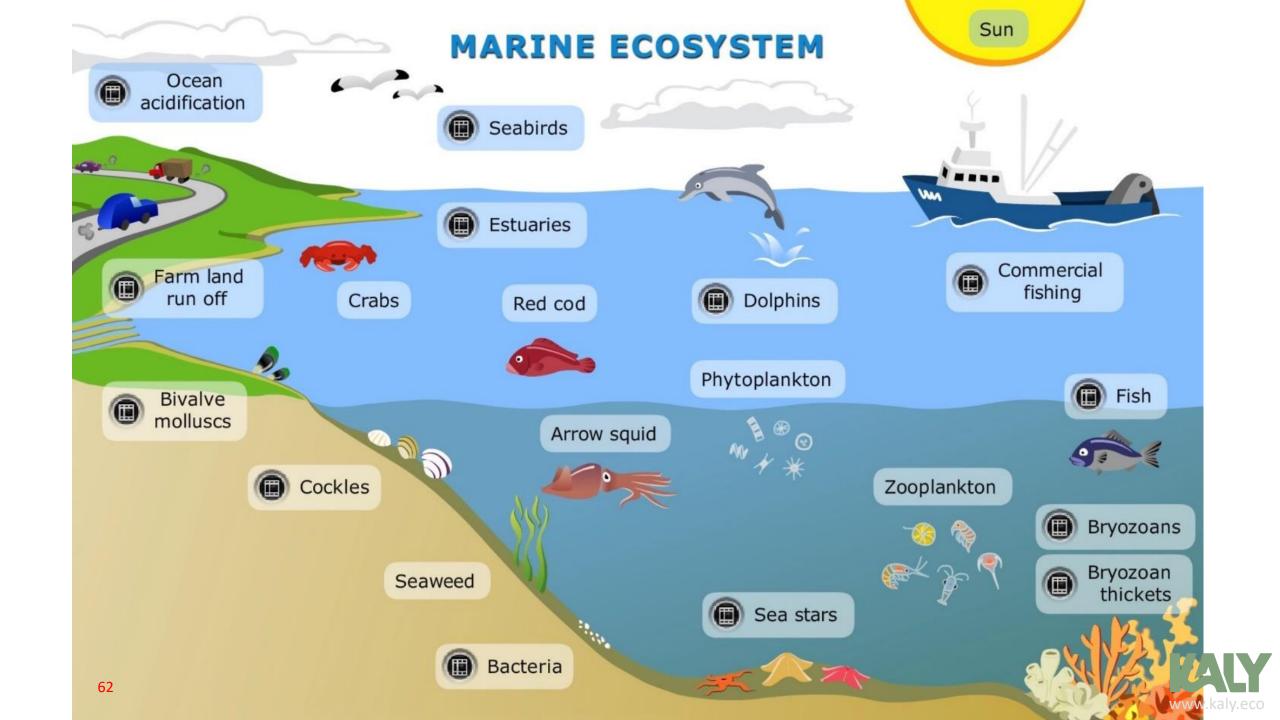














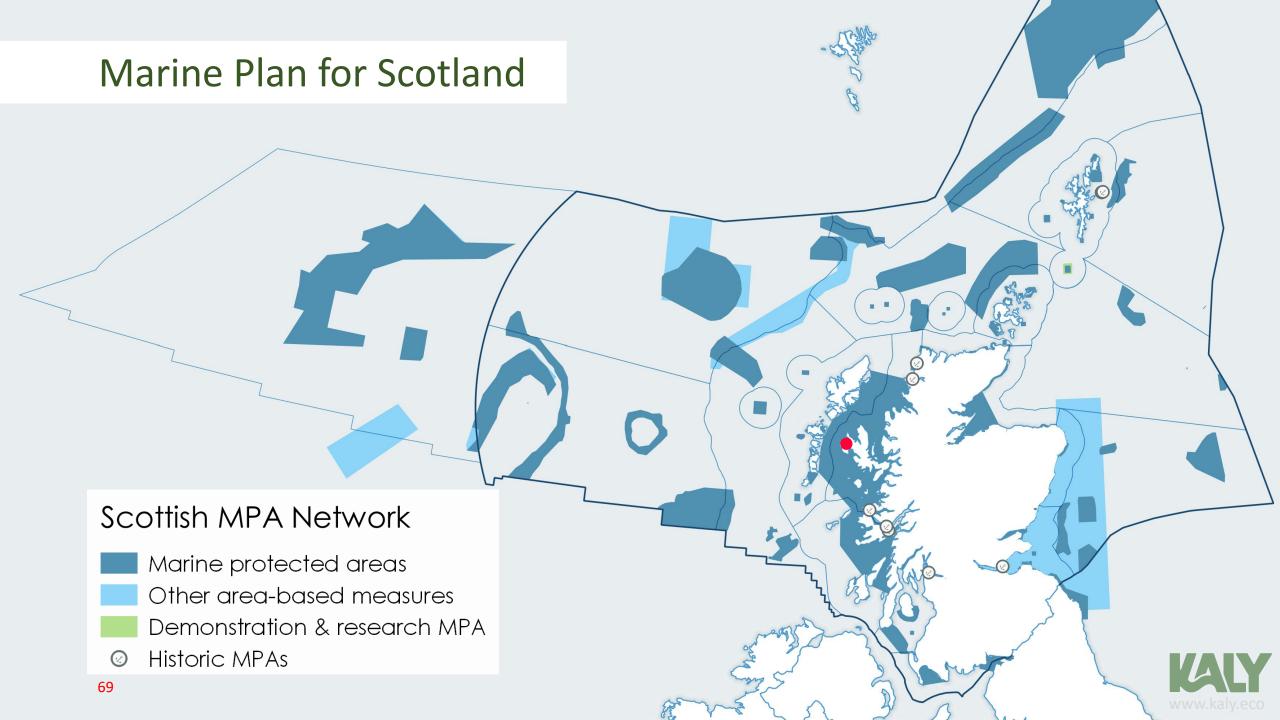


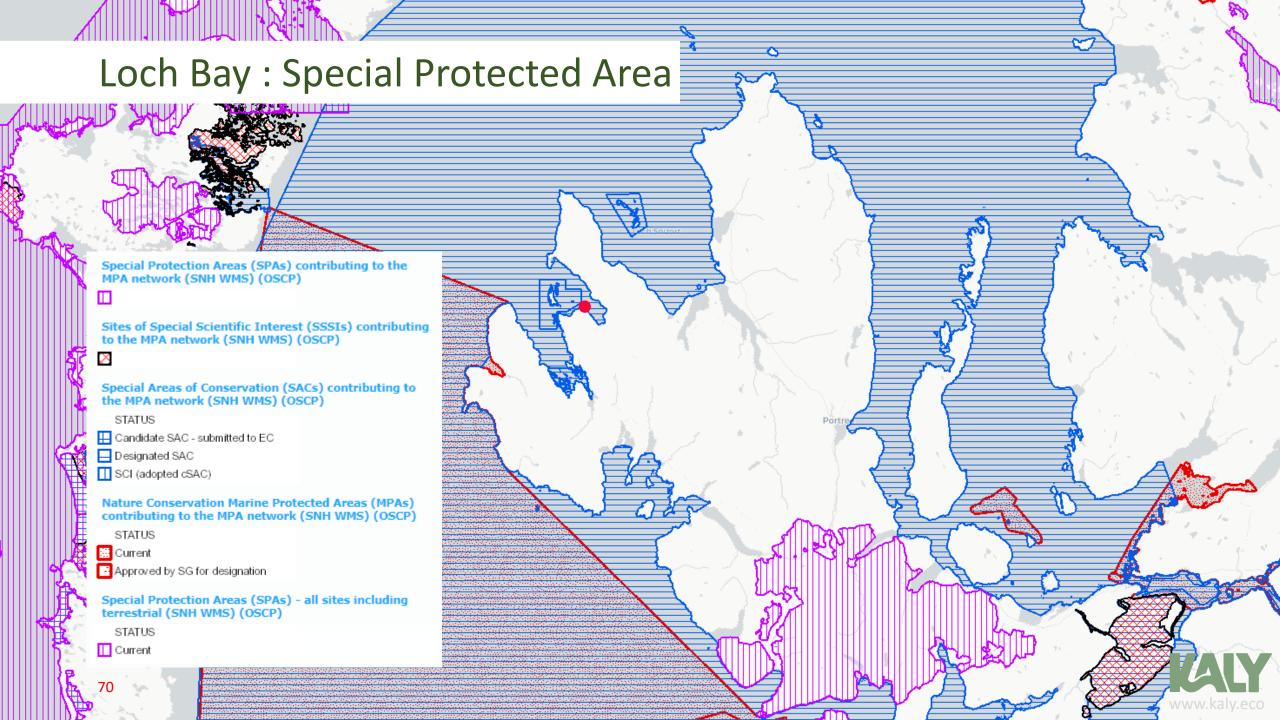




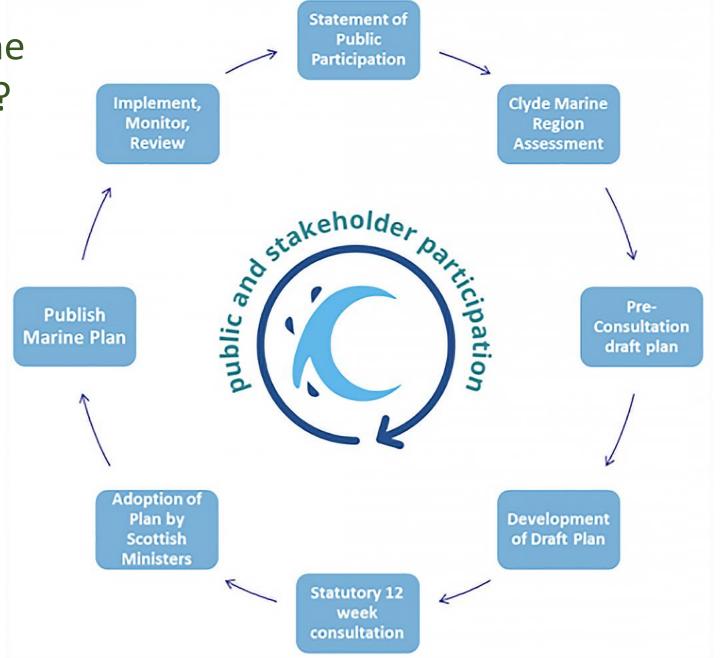








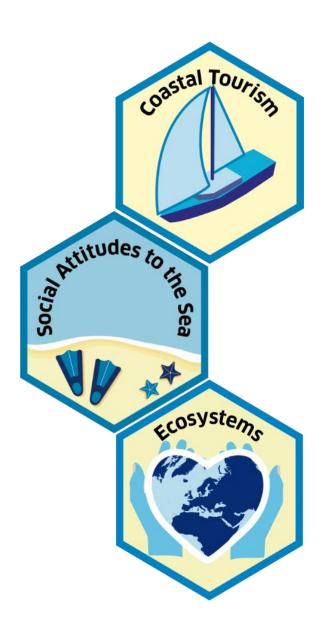
# Community Marine Plan For Loch Bay?





Topics For Loch Bay? Provisioning Fish & shellfish stocks Sand & gravel **W** ---**BENEFITS** Health & well-being Food web **FROM** Nutrient cycling Spirituality THE SEA 8 CO<sub>2</sub>







Publication - Consultation paper

## Highly Protected Marine Areas (HPMAs) - site selection: draft guidelines

Published: 12 December 2022

From: Minister for Environment and Land Reform, +3 more ...

Directorate: Marine Scotland Directorate
Part of: Environment and climate

change, Marine and fisheries
ISBN: 9781805252726

Guidelines describing the proposed process for identifying and selecting Highly Protected Marine Areas (HPMAs) in Scottish waters. These were drafted by our statutory nature conservation

RESPOND TO THE NATURE (SPOC).

### 20<sup>TH</sup> MARCH 2023 Executive summary

Executive summary

- 1 Introduction
- 2 Background to Highly Protected Marine Areas (HPMAs)
- 3 Relationship with the existing MPA network
- 4 Site selection guidelines

The Scottish Government's vision for the marine environment is for clean, healthy, safe, productive and diverse seas, managed to meet the long-term needs of nature and people. To help achieve this vision, while addressing the twin biodiversity and climate crises, the Scottish Government and the Scottish Green Party have committed to an ambitious marine protection programme, under the Bute House Agreement<sup>[1]</sup>, that will "add to the existing MPA network by designating a world-leading suite of Highly Protected Marine Areas (HPMAs) covering at least 10% of our seas".











#### Next Steps . . . Suggestions



Support
Our Application!

Identify
a Joint Way
Forward

Protect and Restore The Bay

Discuss
Community Response
to Scottish Government
HPMA?





# THANK YOU KALY