



Údarás na Gaeltachta



**SWGROW**

Clíodhna Ní Ghriofa  
Project Officer



Northern Periphery and  
Arctic Programme  
2014-2020



EUROPEAN UNION

Investing in your future  
European Regional Development Fund

## Objective



*"Increase economic opportunities in the seaweed industry by developing innovative working practices that can be widely adopted by many SMEs in the NPA region to develop quality seaweed products of a consistent standard that are identifiable and can be clearly branded"*



# Work Plan



**Cultivation**



**DNA Tagging**



**Sustainability**



**Branding**





# DNA Tagging



Create DNA database

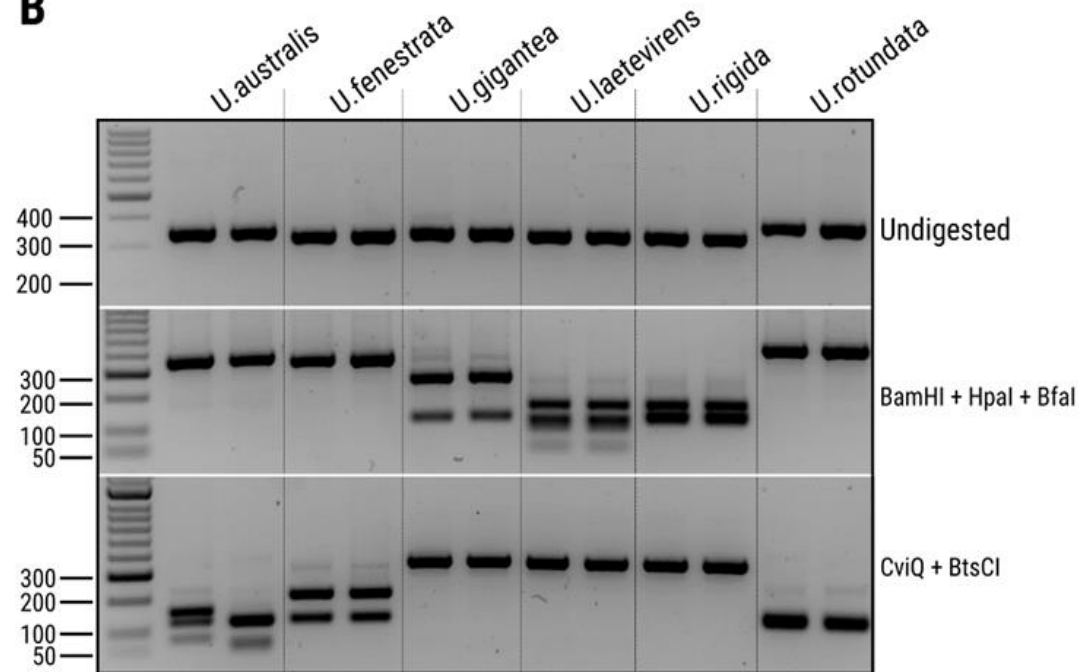


Create testing kit



Confirm origin/Species across NPA

**B**





## Sustainability

- Renewable, heat recovery
- Shared infrastructure
- Waste to Fuel-palletisation of seaweeds for Combined Heat and Power Systems (CHP).



## Cultivation

- Sustainability-reduce the pressure on wild populations
- Investigate nutritional quality-cultivated VS wild populations
- Exchange of techniques between academia and SME producers



## Branding

- Establishing a unique brand for NPA seaweed will allow SMEs to gain market share throughout Europe - and further afield



# Údarás Role

- Intermediator with SME's for Pilots
- Communication & Dissemination
- Organize Seaweed Events







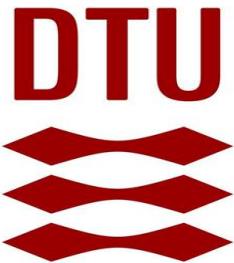
- Lews Castle College
- Project Lead- Coordination



- TARI- Faroe Seaweed
- Cultivation & piloting



- An Lanntair
- Historical Seaweed Research & Brand Development



- Technical University Of Denmark
- Waste reduction in Seaweed



- Swedish University of Agricultural Sciences
- Carbon, nitrogen, biomass and calorimetric content reports.



- NUI Galway
- DNA tagging of Seaweed
- Development of DNA testing Kit



- University of Iceland
- Waste to fuel







## Seimineár Feamainne –Seaweed Seminar 15/01/2020

Ionad/Location: Seomra Boird-Údarás na Gaeltachta, Na Forbacha, Co. na Gaillimhe, H91 NHT4

| Am / Time     | Ábhar / Subject  | Cainteoir / Speaker                 |
|---------------|--|-------------------------------------|
| 9:00-9:30am   | Clárú & Bricfeasta / Registration & Breakfast  |                                     |
| 9:35-9:45am   | Oscailt & Togra SW-GROW/ Opening & SW-GROW Project                                   | Clíodhna                            |
| 9:45-10:05    | Réamhrá don Údarás agus do Pháirc na Mara / Introduction to Údarás and Páirc na Mara | Mark White                          |
| 10:05-10:25am | Tionscal Feamainne / Seaweed Industry  | Lucy Watson BIM                     |
| 10:25-10:45am | Luach Cothaitheach Feamainne / Nutritional Value of Seaweed                          | Maria Hayes                         |
| 10:45-11:05am | Forbairt sa Tionscal Feamainne / Developments in the Seaweed Industry                | Teagasc<br>Dr Julie Maguire<br>BMRS |
| 11:05-11:20am | Briseadh/ Break  |                                     |
| 11:20-11:40am | Eacnamaíocht na Feamainne / Economics of Seaweed                                     | Dr Helena Abreu                     |
| 11:40-12:10in | Bealach chun an Mhargaidh /Route to Market   | James Burke                         |
| 12:10-12:30in | Margaí Onnmhairithe /Export Markets  | Arramara                            |
| 12:30-1:20in  | Lón & Líonrú/ Lunch &Networking  |                                     |
| 1:30-1:45in   | Oideachas Feamainne /Seaweed Education   | Charlie Spillane<br>NUIG            |
| 1:45-2:00in   | Ceadúnú Dobharshaothraithe /Licencing Aquaculture                                    | DAFM                                |
| 2:00-2:15in   | IFA & a ról ar Fheamainn /IFA & Their role on  | Teresa Morrissey                    |



**Research Paper: "The effect of natural convection air temperature on drying kinetics, desorption isotherms, and nutritional composition of *alaria esculenta* and *palmaria palmata*"**



  
 ÚDARÁS NA GAELTACHTA  
**SUSTAINABLE  
 SEAWEED  
 WORKSHOP**  
 KEYNOTE SPEAKER- DAVE  
 GARFORTH FROM RS  
 STANDARDS  
 11 AM (IST) 23RD  
 OCTOBER  
 IN ASSOCIATION WITH BIOECONOMY IRELAND







# SW-Grow Seaweed Industry Survey

## SW-GROW Questionnaire for Seaweed Farmers, Harvesters and Producers

SW-Grow is an EU funded project with sole focus on the seaweed industry in the Northern Periphery and Arctic region. It aims to identify common issues throughout the region and offer access to high-level R&D links within academic partners, participating in the project, across regional and national borders to trial solutions that can be adopted throughout the industry – thus developing solutions that enable technology transfer across programme area – in particular

- Understand the energy usage
- Cultivation vs wild harvesting
- Harvesting methods
- Production
- Results will be open access



# SWGROW

**Any queries contact:  
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