

Present

Clíodhna Ní Ghríofa	Údarás na Gaeltachta, Na Forbacha, Co. na Gaillimhe
Calle Niemi	Swedish University of Agricultural Sciences
Prof Rúnar Unnthorsson	University of Iceland
Andrew Mackenzie	Lews Castle College
Roy Bartle	Lews Castle College
Jon MacLeod	An Lanntair
Ms Agnes Mols Mortensen	TARI – Faroe seaweed
Prof Lisbeth Truelstrup Hansen	Arktisk Teknologi Center, Greenland
Prof Francesco Gentili	Swedish University of Agricultural Sciences
Dr Ronan Sulpice	NUI Galway

Apologies

Dr Alasdair Macleod	Lews Castle College, Stornoway
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Minute

	ITEM	Comment	Decision	Task	Who?	By date
1.	Approve minute of 25 September 2019	The minute, previously circulated, was approved.				
2.	Update on Faroe meeting	Andrew Mackenzie gave an update and informed the meeting that Michela Gaifami seemed, generally, to be		Send reminders to those Agreements not received.	Andrew Mackenzie	Sent.

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	of 31 October 2019	happy with our progress. She was concerned that not all Partnership Agreements had been signed but was assured that these would be forthcoming shortly.				
3.	Update on Partnership Agreement	See above.				
4.	Website progress	Angus Murray gave an update on obtaining an "EU" domain name. Due to the United Kingdom's withdrawal from the European Union, the European Commission has decided that web service providers should stop selling .EU domain names to customers with a UK registrant contact on their domain name.	Clíodhna kindly offered to help with this problem.	Collaborate in building the website for SW-GROW.	Clíodhna and Angus	
5.		Social media	Agreed that Údarás would handle content	Send any information needed for inclusion to Clíodhna.	All	When appropriate.
6.	Agree Logo design	Clíodhna has sent out this in different formats to all Partners.	Logo No 6 was the preferred design.	Adopt this design.	All	As soon as possible.

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7.	Progress with agreed tasks	Assurances were received from all Partners that agreed tasks were on target.	It was agreed that a database of seaweed producers / processors should be developed	Start a survey for seaweed producers / processors	Clíodhna	As soon as possible.
8.	Activity for next month – each Partner and additional comments	<p>Lews Castle College Working on the website and ensuring that there are two main areas available-public and private. The private area would be used for sharing documents within Partners. It has been agreed that Roy Bartle will give a paper on <i>Wind turbine smart systems for seaweed drying</i> at the forthcoming conference in Tromso on 26-30 January 2010 theme “Conference focus on geopolitics and marine production in a changing Arctic”. The conference will be declared open by the Norwegian Prime Minister, Jens Stoltenberg.</p> <p>Údarás na Gaeltachta</p> <ul style="list-style-type: none"> • translate fact sheet into languages. • Design pop up poster & translate. • Get feedback on communication document and change/edit as necessary. <p>Swedish University of Agricultural Sciences Investigated how the seaweeds should be treated before being characterized; after discussion with other project partners including a seaweed producer (Tari) we believe that we should characterize seaweeds as they are sold on the market, basically dried at low temperature. However, we agree that we should also receive freeze dried seaweeds. Calle is testing different protein determination methods in the lab.</p> <p>University of Iceland Continue working on pre-processing so that initial work can proceed. A humidity measuring unit has been purchased for accurately determining the moisture content in feedstock (5-17%). A mixing silo has been installed. A conveyor belt that needs a new spare machinery drive has been purchased and is in transit. The conveyor belt will feed the pelletizer from the mixing silo. Open bids from tool shops for an air-compressor needed for the pelletizer have been made. The aim is to have the pre-processing equipment operational before Christmas.</p>				

	ITEM	Comment	Decision	Task	Who?	By date
		<p>TARI – Faroe seaweed Draft a programme for the Faroe meeting and send to all Partners. Send 2 samples of Alaria and Palmaria to Ronan for analysis.</p>				
		<p>Arktisk Teknologi Center, Greenland Send samples of Alaria to Ronan and Francesco for analysis.</p>				
		<p>NUI Galway NUI Galway will extract DNA from Alaria and Palmaria upon receipt from Greenland and Faroe. The first step will be to ensure that the DNA extraction protocol in use at NUIG lead to DNA fitting the quality and quantity required for MiNion technology (nanopore) that will be used for the whole genome assembly of these two species. If it is fine, samples will be sent for sequencing. If they are not, NUIG has established contact with Station Biologie de Roscoff (SBR; Dr. Mark Cock / Prof. Philippe Potin) and Dr. Bringloe / Prof. Verbruggen (University of Melbourne) as they are on the way to also assemble Palmaria and Alaria genomes, respectively. Because the Palmaria genome that they will sequence is from Brittany, NUI Galway will also assemble a Palmaria genome from Faroe. Same for Alaria. The University of Melbourne will assemble a genome from Alaska/ Northern America so NUIG need to assemble a genome from Europe. NUIG, SBR and University of Melbourne informally agreed to share their data and eventually publish jointly. However, when data are available, SW-Grow consortium will be consulted for their opinion prior any sharing / action. NUI Galway also entered in discussion with Prof. Potin (SBR) to gather information about Palmaria cultivation. It is still at a very preliminary stage and SW-GROW will be updated if it leads to potential useful outcome (share of resources for the development of optimised Palmaria cultivation/ reproduction protocols).</p>				
9.	Species to be analysed	<p>After discussion it was agreed that, initially, two species of seaweed would be considered. The choice of seaweeds to be assessed: <i>Alaria esculenta</i> This would be a good choice because it has a good taste and can be developed as a cultivar and has a relatively low iodine content. It would also be a good species to work with since there is not so much knowledge about it in comparison with others seaweed types. It is also found only in northern areas (common in Greenland). <i>Palmaria palmata</i> Also known as dulse and is a good source of minerals compared with other vegetables and contains all trace elements needed by humans with a high protein content.</p>				

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	<p>Samples Samples from Greenland are available that have been frozen at -18°C</p>	<p><i>Alaria</i> is available in Greenland but not <i>Palmaria</i> until next year when there will be a team in Greenland collecting samples.</p>	<p>Agreed that the samples of <i>Alaria</i> would be sent to Ronan and Francesco for analysis.</p>	<p>Lisbeth</p>	<p>When available.</p>
		<p>Samples are needed for Ronan from Faroe.</p>	<p>Send 2 samples of <i>Alaria</i> and <i>Palmaria</i> to Ronan for analysis.</p>	<p>Agnes</p>	<p>As soon as possible.</p>
<p>Meeting in Greenland</p>	<p>A number of dates were discussed, but it was agreed that the best date for Partners would be during the week beginning Mon 10 August 2020 in Sisimiut. Student accommodation would be available at this time – hotels are expensive!</p>	<p>This is an opportunity to interact and share knowledge with Greenland students. 2 or 3 days (or longer) for the meeting was agreed.</p>	<p>Send details of expertise that could be shared with Greenland students.</p>	<p>All</p>	<p>As soon as possible.</p>
			<p>Send details of students' backgrounds to all Partners – with their objectives.</p>	<p>Lisbeth</p>	<p>As soon as possible.</p>

	ITEM	Comment	Decision	Task	Who?	By date
	Next physical meeting in Faroe	We agreed that our next “physical” meeting would be in Faroe at the end of February 2020. There are flights from Edinburgh, Bergen, Reykjavik some days and every day from Copenhagen.	Minimum of 2 days for the meeting. We need a room and a visit to Agnes’ company and a field trip.	Agree dates with Agnes so that air miles can be minimised.	Agnes	As soon as possible.
				Draft a programme for the Faroe meeting and send to all Partners.	Agnes	As soon as possible.

Next meeting: Skype; 27 November 2019 @ 2pm.