

Teams meeting

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Present

Andrew Mackenzie	Lews Castle College
Aisling Nic Aoidh	Údarás na Gaeltachta, Na Forbacha, Co. na Gaillimhe
Dr Masami Inaba	NUI Galway
Jon MacLeod	An Lanntair
Dr Calle Niemi	Swedish University of Agricultural Sciences
Dr Alasdair Macleod	Lews Castle College, Stornoway
Prof Francesco Gentili	Swedish University of Agricultural Sciences
Dr Ronan Sulpice	NUI Galway

Apologies

Dr Angus Murray	Lews Castle College
Dr Agnes Mols Mortensen	TARI – Faroe seaweed
Dr Roy Bartle	Lews Castle College
Clíodhna Ní Ghríofa	Údarás na Gaeltachta, Na Forbacha, Co. na Gaillimhe
Prof Lisbeth Truelstrup Hansen	Arktisk Teknologi Center, Greenland
Dr Jonas Steenholdt Sørensen	Arktisk Teknologi Center, Greenland
Prof Rúnar Unnþórsson	University of Iceland

Minute

	ITEM	Comment	Decision	Task	Who?	By date
1.	Approval of minute of SW-GROW Teams Meeting 31 March 2021	The minute was approved.	No matters arising.	Send to Angus for uploading to website	Andrew	
2.	Matters arising from 31 March 2021 meeting	None.				

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	Item	Information
3	Progress with work package deliverables	<p>Lews Castle College</p> <p>Andrew Mackenzie: Work package Management. Responding to queries from Partners and the NPA. Working on reports and liaising with colleagues at Lews Castle College – analysing progress and informing Partners.</p> <p>Angus Murray Updated website with web statistics for March. Removed spam mail from email store Updated plugins with the latest versions</p> <p>Dr Roy Bartle Zak Carter has been drying lettuce to calibrate the rig and iron out teething problems. We have looked at the effect of sample orientation and observed that drying along the axis of the leaf is more effective than drying across the axis. We need to do some analytical work to explain this mathematically.</p>
	Update on progress with work packages	<p>Swedish University of Agricultural Sciences</p> <p>Work package T2.6.1 Period 3 report submitted to NPA and to Västerbotten County who are co-financing the project. Samples of algae have been received from Greenland, Ireland and Faroe with samples also expected from Norway in the coming weeks. Have ordered more fatty acids (lipids) to make characterisation from algae. Calle has been analysing lipids from samples sent from the Faroes last year and also working on processing the new samples that have been received - and carrying out spectroscopic analysis using a new instrument that can be used in the field. This might be a useful device to trial out once travel restrictions are lifted. Next week. Calle will start soluble sugar analysis, which will allow more detail - including also soluble sugars which will be interesting from a nutritional perspective. In addition, analysis has been done on the total energy content of samples and ash content.</p>
	Update on progress with work packages	<p>An Lanntair</p> <p>Work Package T2.6 Characterisation T2.2 Development of Brand identity There have been some problems with customs delays (Norway). Been working with the graphic designer on infographics and logo ideas.</p>

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	Update on progress with work packages	<p>Arktisk Teknologi Center, Greenland</p> <p>WP 1. Quality Improvement</p> <p>T1.1.1</p> <ul style="list-style-type: none"> • Analysis of cultured seaweed from 2020 and planning of sampling from the harvest of 2021. <p>WP2 Characterization and Branding.</p> <ul style="list-style-type: none"> • Samples of Greenland seaweed were shipped to Sweden and Ireland. <p>WP3 Piloting and evaluation.</p> <p>T3.3.1.</p> <ul style="list-style-type: none"> • Fermentation as an alternative to drying: Submission of a research article to Food Research International with the title: <i>“The microbiota of natural and lactic acid bacteria fermented Alaria esculenta and Saccharina latissima”</i> • Experimental design for drying and packaging for the upcoming 2021 harvest of seaweed in Maniitq, Greenland.
	Update on progress with work packages	<p>TARI</p> <p>Work package T1.1:</p> <ul style="list-style-type: none"> • Water quality analysis being carried out on the farm c. every 10th day; nutrients in the water and bacteria (E. coli and coliforms). • Samples have been sent to Sweden, and they have also arrived safely. • Last week a fermentation experiment was run, and further plans on the fermentation side are to develop a product that can be put on the market. The plan is also to collaborate with Lisbeth and Jonas on a fermentation study. <p>Hatchery pilot:</p> <ul style="list-style-type: none"> • Good progress made. <p>3 period report</p> <ul style="list-style-type: none"> • In progress

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	Update on progress with work packages	<p>Údarás na Gaeltachta Working to organise a series of webinars, an initial meeting held and planning for the first webinar to take place on the first week of June. International seaweed day is on the Friday, so we are thinking Tues-Thurs depending on availability of speakers. We will hopefully have an agenda tied down for the first date by 7th May and ready to advertise the following week.</p>
	Update on progress with work packages	<p>NUI Galway Work package T2.2 Sequencing information has been received for Alaria esculenta and the genomic assembly looks quite good with the size expected. Looking to work with collaborators industry near and it is expected that an academic paper will be produced showing data from Greenland, Canada and the United States, as well as the results from the SW-GROW project. The laboratory has received a sample of Alaria esculenta from Greenland, which will be sent for DNA sequencing and (today), a sample of Palmaria palmata (dulce) was received from Norway , whose DNA will be isolated for sequencing.</p>
	Update on progress with work packages	<p>University of Iceland Have received an offer for building a drying cabinet but the price was too high for a first prototype. It was, therefore, decided to change the design so that a cheaper prototype could be built and work is ongoing to build it. Working on the P3 report. Time sheets have been sent to the office for processing. Once that is completed it will be entered into the EMS system.</p>
4.	Update on progress with Pilots	<p>Hatchery pilot:</p> <ul style="list-style-type: none"> In good progress <p>Drying pilot (Lews Castle College) See above.</p>
5.	Update on questionnaire analysis	In progress

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6.	Progress with Period 3 reports	Good progress from Partners but Lews Castle College cannot start a period 3 report until Period 2 has been submitted by Lews Castle College! This has been escalated within the College and the problem is expected to be resolved shortly. This has been somewhat delayed by a serious cyber-attack across the whole of the University of the Highlands and Islands! Progress has also been slow with the NPA approving funds for Period 1.
7.	Progress with webinars to be arranged – on themes.	See above
8.	Update on relaxing COVID-19 restrictions – possible meeting in person / travel?	It is hoped that over the summer period travel will be possible. We will await developments.
9.	Any other business	There was discussion about the need for a standard analysis for nutritional value content (fat, protein, etc). for foods. This is particularly important for the producer and customer so that there can be a standard approach to stating the “goodness of the product” The European commission has produced guidance for the analysis of food and its labelling that may be useful in this context.

Next meeting:

Teams Wednesday 26 May 2021 at 1pm (UK time)