

Teams meeting

G:\SEAWEEED\1SW-GROW MEETINGS\SKYPE_TEAMS MONTHLY\PERIOD 5 01 AUG 2021 TO 31 JAN 2022\TEAMS 27 OCT 2021\SW-GROW MINUTE TEAMS 27 OCT 2021.DOCX

Present

Andrew Mackenzie
Aisling Nic Aoidh
Dr Alasdair Macleod
Dr Roy Bartle
Prof Rúnar Unnþórsson
Dr Calle Niemi
Prof Lisbeth Truelstrup Hansen
Dr Jonas Steenholdt Sørensen
Dr Masami Inaba
Jon MacLeod
Dr Ronan Sulpice

Lews Castle College
Údarás na Gaeltachta, Na Forbacha, Co. na Gaillimhe
Lews Castle College, Stornoway
Lews Castle College
University of Iceland
Swedish University of Agricultural Sciences
Arktisk Teknologi Center, Greenland
Arktisk Teknologi Center, Greenland
NUI Galway
An Lanntair
NUI Galway

Apologies

Prof Francesco Gentili
Dr Agnes Mols Mortensen
Dr Angus Murray

Swedish University of Agricultural Sciences
TARI – Faroe seaweed
Lews Castle College

Teams meeting

G:\SEAWEED\1SW-GROW MEETINGS\SKYPE_TEAMS MONTHLY\PERIOD 5 01 AUG 2021 TO 31 JAN 2022\TEAMS 27 OCT 2021\SW-GROW MINUTE TEAMS 27 OCT 2021.DOCX

Minute

	ITEM	Comment	Decision	Task	Who?	By date
1	Approval of minute of SW-GROW Teams Meeting 29 September 2021.	The minute was approved.	No matters arising.	Send to Angus for uploading to website	Andrew	Done
2	Matters arising from 29 September 2021 meeting	None				

	Item	Information
3	Progress with work package deliverables for Period 5	<p>Lews Castle College</p> <p>Andrew Mackenzie: Work package Management.</p> <p>Now that the FLC in Stornoway has responded and certified Lews Castle College Partner reports for Periods 2 and 3, Period 2 Project report was submitted to the NPA JS on 7 October 2021. Period 3 Project report will be submitted once all Partners have had their claims certified by their FLC.</p> <p>On 13 October Alasdair Macleod, Jon MacLeod and Andrew Mackenzie travelled to Ullapool to have discussions with two SMEs engaged in the seaweed industry in the local area. The first discussion was with Ailsa from 58° N Scottish Seaweeds where the relevance of the SW-GROW project were discussed. Also discussions took place with Steve Husband – a Renewable Energy consultant developing a solar drying device.</p> <p>Dr Angus Murray</p> <ul style="list-style-type: none"> • Insulated the dryer at Lews Castle College • Tested thermocouples for the dryer

Teams meeting

G:\SEAWEED\1SW-GROW MEETINGS\SKYPE_TEAMS MONTHLY\PERIOD 5 01 AUG 2021 TO 31 JAN 2022\TEAMS 27 OCT 2021\SW-GROW MINUTE TEAMS 27 OCT 2021.DOCX

	Item	Information
		<ul style="list-style-type: none"> • Testing reading AC power consumption using Current Transformer clamps, <p>Dr Roy Bartle Still waiting for feedback from a paper submitted some months previously and have been informed that they are still reviewing the document. We are currently looking at the variability wind speed and solar insolation and the finding is that, for the UK, there is no significant inter-year variability as far as energy modelling is concerned. This is not the “received wisdom” in the industry, so we are being especially cautious and rigorous with our investigations.</p> <p>Dr Alasdair MacLeod Alasdair emphasised that it was important to make what we are doing at present applicable to SMEs. We only have one year left to ensure that this work is relevant to them.</p>
	Update on progress with work packages	<p>Swedish University of Agricultural Sciences Work package T2.6.1 The report for Period 4 has been finalized and submit to the FLC. In the lab several algae have been milled including those received last week from TARI. Calle is progressing with sugar analysis and fatty acids analysis. It is expected that some more algae from Iceland are on their way to us and to Ireland. There are now sufficient samples for a comprehensive characterization. Several samples will soon be sent to an external laboratory for carbon and nitrogen analysis. A couple of weeks ago Calle has his halftime PhD seminar, both the opponent (external) and the audience mainly from the department at Swedish University of Agricultural Sciences were very happy with his work on seaweed.</p>
	Update on progress with work packages	<p>An Lantair Work Package T2.6 Characterisation T2.2 Development of Brand identity Period 4 report completed, but some of the finances were input as £ rather than € so this will have to be corrected. Just returned from the Isle of Eigg (contact Lucy Conway), an island totally self-sufficient in energy, who are also developing a community seaweed business. The business would look at all aspects of the seaweed industry, including use in food and fermentation and they are very keen to work with SW-GROW in developing their business. I also met with other community representatives and from the new brewery Stuart McCarthy We need to purchase some polystyrene boxes and the students so that we can provide these organisations with the means of sending samples to the project.</p>

Teams meeting

G:\SEAWEED\1SW-GROW MEETINGS\SKYPE_TEAMS MONTHLY\PERIOD 5 01 AUG 2021 TO 31 JAN 2022\TEAMS 27 OCT 2021\SW-GROW MINUTE TEAMS 27 OCT 2021.DOCX

	Item	Information
		The new manager at An Lanntair is keen to know more about the final SW-GROW event and intends to budget for this.
	Update on progress with work packages	<p>Arktisk Teknologi Center, Greenland WP 1. Quality Improvement T1.1.1</p> <p>The manuscript previously submitted for publication has had a number of comments and suggestions - but overall, the reaction has been very positive. Responses to these comments have been made but since then nothing has been heard - but this is to be expected.</p> <p>The focus of the work will now move towards drying and some preliminary analysis has been done on this. Johannes has travelled to Norway to work with colleagues at the University of Natural Sciences in Trondheim to do some additional analysis of the dried seaweed and has been produced and this work should also be part of a forthcoming research paper. Work is also continuing comparing a simple household style chemical drying with a drying, which is, traditionally, what they would have been using in Greenland. However, air drying cannot be done in the open because of the various hygiene regulations so it will be interesting to see what solutions can be developed during the project using renewable energy drying methods.</p> <p>Third period report has been submitted that there were some financial issues which need to be corrected - all Partners need details of the new NPA Desk Officer to be sent (action-Andrew to provide) kalle.pakalen@interreg-npa.eu - Kalle Pakalen.</p>
	Update on progress with work packages	<p>TARI Work package T1.1:</p> <p>TARI is now getting ready to start up in the new hatchery at Fámjin, and the water turbine is going to be ordered very soon.</p> <p>Alaria esculenta material from the farm and from a natural population is currently being analysed at DTU, SLU and TARI to assess and compare the quality. Sensory panel analyses are also being undertaken of the same material.</p>
	Update on progress with work packages	<p>Údarás na Gaeltachta</p> <p>In October 2021 the newsletter was published and circulated on social media. The 4th Financial and technical report was submitted to the FLC.</p> <p>Organising the next seminar scheduled for 26th November 2021 based on energy efficiencies for seaweed companies with a focus on community owned seaweed farms; for example Aird Fada Seaweed, South West Mull</p>

Teams meeting

G:\SEAWEED\1SW-GROW MEETINGS\SKYPE_TEAMS MONTHLY\PERIOD 5 01 AUG 2021 TO 31 JAN 2022\TEAMS 27 OCT 2021\SW-GROW MINUTE TEAMS 27 OCT 2021.DOCX

	Item	Information
		<p>and Iona and have also made contact with our associate partners & SME's regarding energy efficiencies in their businesses.</p> <p>Please send further ideas regarding speakers or if any other partner would like to participate as a speaker on any work, they are completing regarding energy efficiencies/ sustainable drying systems.</p>
	Update on progress with work packages	<p>NUI Galway Work package T2.2</p> <p>Two papers on <i>Alaria esculenta</i> are underway – one is about population genomics, and is ready for submission, and the other one is a short communication about countries being able to identify their geographic provenance of seaweed including examples from Faroe and Greenland – but additional samples, e.g. Iceland would be useful. Another paper is being prepared on <i>Palmaria palmata</i> (dulce) and samples from other areas would be welcome. However, at this time of year gathering suitable samples would be difficult and it might not be until February / March 2022 that samples may be available.</p>
	Update on progress with work packages	<p>University of Iceland</p> <p>In addition to working on drying/pelletizing, we have been focusing on selecting sensors for our gasification equipment that will enable us to better study the energy and emissions when gasifying the seaweed.</p>
4.	Update on progress with Pilots	<p>Hatchery pilot: Continuing according to plan.</p> <p>Drying pilot (Lews Castle College) route See above.</p> <p>Shared infrastructure project Agreed to defer this to 2022.</p>
5.	Progress with Period 3/4 reports	In progress
6.	Progress with webinars to be arranged – on themes.	See above

Teams meeting

G:\SEAWEED\1SW-GROW MEETINGS\SKYPE_TEAMS MONTHLY\PERIOD 5 01 AUG 2021 TO 31 JAN 2022\TEAMS 27 OCT 2021\SW-GROW MINUTE TEAMS 27 OCT 2021.DOCX

7.	Progress with engaging Associate Partners / SMEs	Ongoing – see report from Lews Castle College and An Lanntair. NUI Galway have been in contact with a business in Connemara and ARTEK have had some contact with some start-up businesses in Greenland.
9.	Options for travel.	Because of on-going COVID-19 issues, it was decided that no travel will be undertaken until 2022.
10.	Any other business.	None.

Next meeting: Teams Wednesday 24 November 2021 at 1pm (UK time)