



Skype meeting M:\seaweed\1sw-grow Meetings\skype Monthly\period 2 01_02_2020 TO 31_07_2020\skype 30 JULY 2020\sw-grow Minute skype 30 JULY 2020.DOCX

Present

Andrew Mackenzie	Lews Castle College
Prof Lisbeth Truelstrup Hansen	Arktisk Teknologi Center, Greenland
Dr Alasdair Macleod	Lews Castle College, Stornoway
Jon MacLeod	An Lanntair
Máire Ní Einniú	Údarás na Gaeltachta, Na Forbacha, Co. na Gaillimhe
Clíodhna Ní Ghríofa	Údarás na Gaeltachta, Na Forbacha, Co. na Gaillimhe
Dr Ronan Sulpice	NUI Galway
Ms Agnes Mols Mortensen	TARI – Faroe seaweed
Dr Angus Murray	Lews Castle College

Apologies

Dr Roy Bartle	Lews Castle College
Prof Rúnar Unnþórsson	University of Iceland
Prof Francesco Gentili	Swedish University of Agricultural Sciences
Calle Niemi	Swedish University of Agricultural Sciences

Minute

	ITEM	Comment	Decision	Task	Who?	By date
1.	Approval of minute	The minute was approved.	No matters arising.			
	of 25 June 2020					
2.	Update on progress	Lews Castle College				
	by	Roy Bartle: Has obtained the full drying curves at 40, 50, 60, and 70 °C, and the desorption isotherms at 25, 40,				
	person/organisation	50, 60, and 70 °C, for both seaweeds. He hopes to have the raw data analysed and a first draft of the results				
	since last meeting at	circulated within a fortnight. He has also sent Francesco/Calle samples of Alaria, dried at different				
	the end of June.	temperatures, which they have received in good order.				





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ITEM	Comment Decision Task Who? By date
	Comment Decision Task Who? By date Andrew Mackenzie: Chasing up FLC and finance claims – completing Period 1 Project Report. Been in contact with Michela Gaifami regarding a number of issues and she has asked us to participate in the NPA 2020 Annual Event - Innovation for smart and resilient communities (http://www.interreg-npa.eu/events/npa-2020-annual- event-innovation-for-smart-and-resilient-communities/) be held on 23rd September 2020, from 11:30 until 17:00 CET, in the city of Oulu Finland. The format of the event will be mixed: online and physical for local participants only, due to the restrictions in place in most European countries in response to the Covid-19 crisis. To take part we would have to register – this closes on 11 September 2020. At this stage I do not have details of our possible participation, but she did mention "breakout sessions." (Innovation in the bio-based industry: NPA projects innovating in the use of biological resources, the cases of seaweed, barley andfood wastes.) In discussion with Scottish Seaweed (Richard Searle admin@seaweedscotland.org) about sending our questionnaire to members. He will consult with other directors but he thinks they could do this for us if we agreed to a few things. • A payment / fee arrangement would be needed Agree if the results of this survey are going to be retained within SW-GROW-GROW or published, if so published to who and when? And would you be asking a charge for the SSIA or members to see the results? • The questionnaire itself raises some questions starting with the clear implication this is not just a Scottish or UK questionnaire, but to other countries to? Again, this raises the question of how results will be published and shared? Richard Searle suggests





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ITEM	Comment	Decision	Task	Who?	By date		
	Alasdair Macleod: Emphasis second period must start imr COVID-19 effects. We should now be in the star	nediately - including all the te where we are looking for	claims. This will obvi pilot projects startin	ously be diffic g immediately	ult because of the v. So, everyone		
	should look at all the activities they have, identify the pilots that you think that you will do and plan effectively. At Lews Castle College we will take the work that Roy has been doing and build that in to our renewable energy model and start doing tests on drying seaweed using renewable energy – including a large-scale system that we will be able to show SMEs. Rúnar who is doing something similar should consult with Roy to make sure that our efforts are complementary rather than identical.						
	The 1 st year is finding our feet and establishing the state of the art, 2 nd year is Activity and 3 rd year is dissemination and using this information. We need to have a face-to-face meeting to discuss but, unfortunately, this will be difficult with COVID-19 restrictions.						
	Swedish University of Agricultural Sciences On holiday.						
	An Lanntair Jon has across to the mainlar the progress that he has mad engineering aspects.	•		•			
	Also been in touch with the s (https://atlasarts.org.uk/proj salmon aquaculture and read installation works as an unde seaweeds/feamainn. At low	jects/climavore-on-tidal-zor cts to the changing shores o erwater multispecies oyster	nes/)explores the en f Portree, Isle of Skye table, inhabited by fi	vironmental ir e. Each day at lter feeder biv	npact of intensive high tide, the alves/dà-shligich and		
	humans. In addition, planning a 2-day	survey of seaweed resource	es in the Western Isle	25.			





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ITEM	Comment	Decision	Task	Who?	By date			
	An Lanntair are back to work	in mid-August and Jon will	start work on develo	ping the "cult	ural" side of seaweed			
		use etc. He has had a meeting with the School of Scottish Studies and some progress has been made.						
	Lews Castle College have reso	•	•		•			
	further. It is expected that Ste	-		stle College st	aff and Jon need to			
	have a physical meeting with		couple of months.					
	Arktisk Teknologi Center, Gre							
	Been affected by COVID-19 - s							
	been possible. Instead, they l							
	the Greenland seaweed, as pa		•		-			
	two different times – June and	-	-	-				
	concentrating on doing ferme	entation as a pilot but hopir	ng to get back into so	me work on d	rying next year.			
	TARI – Faroe seaweed							
	Their harvest is done, and san	•		•				
	to Ireland. With both sites alr		-					
	product decreases because of	e ,		•				
	round of analysis with regard	-			•			
	samples will be taken in Augu of minerals and vitamins.	st and sent to Francesco ar	id Lisbeth as well as i	to a local lab f	or standard analysis			
	Also, still taking samples of se August. In a month, or two, t	-		er and the cro	ps until the end of			
	Both licences applied for have operational at Fámjin this yea	•		•				
		-	•		-			
	Agnes will have to consult with Roy on the engineering detail. There is already pipework and a lake with a head of 20 or 30m but no turbine.							
	Údarás na Gaeltachta							
	The Press Release has been co	ompleted but no contact de	etails have been rece	ived from Part	tners for interested			
	parties who would be interest	ted in receiving copies. And	drew suggested that	the Scottish S	eaweed Industry			
	Association may be able to cir	culate to their members (A	ction – Andrew) - W	eb site data ha	ave been sent to			
	Angus and the site has been u	ıpdated.						





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ITEM	Comment	Decision	Task	Who?	By date
	Looking for 1 technical report mailed Agnes to see if her wor received from Australia via th and that our dissemination is would be for one to be produ- be in a better position to pro- deadline. It was proposed th September (Action – Roy). Clíodhna reminded everyone channels (Action – All Partner NUI Galway The selection for the Post Do- Some Palmaria palmata has be esculenta was found for analy possible. However, Agnes off will look at the feasibility of s may be able to source suitable Ronan reported that there has farmers. The company is buy and has asked NUI to check th are satisfactory in identifying techniques work, then they c developed to produce a certir identification of species - as w University of Iceland No information available.	to be released each year and ork on cultivation would be a be web site (copied to Ronar working. A Technical paper loced by the end of August or duce a paper on the work the at Roy should produce a paper to send in any pictures or in rs). to is done and the papers are been collected and sequenci ysis. It is hoped that Agnes fered to send frozen sample ending fresh if frozen sample ending fresh if frozen sample esamples for analysis. Is been an enquiry from an <i>A</i> ing Ascophyllum, but it may be an be used for all producers fying service for growers. W	nd this is scheduled f a suitable subject re n) so this shows that r should be produced n cultivation (TARI) b hat he has been doin per on his work by th nformation that she d e with Admin with an ng will start next we at TARI could send so es in the meantime b les are not satisfacto Australian company ut is not convinced to so and suppliers in the Vork already underta	for next month best practice. we are getting d each year an out it was sugg g on seaweed he end of Augu can use on the can use on the manticipated s ek (w/b 10 Au ome samples - ecause the log ry. It is also p who are buyin hat the produc indicates that sess the purity NPA area and	h. Clíodhna has e- An enquiry was g the message across id the requirement ested that Roy may drying by this ust to be published in e various media tart on 1 September. g) but no Alaria - fresh is better if gistics are easier and ossible that UDARAS ag seaweed from ct is completely pure the techniques used of samples. If these d this may be





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	ITEM	Comment	Decision	Task	Who?	By date
3	Website status	Some initial problems have been resolved (icons not showing etc) and the web sites are working well. All minutes of SW-GROW meetings for Period 1 and Clíodhna's press release have been uploaded to both websites. On the main website they are under documents. On the mini website they are under Resources.				
4	Project Plans for all work packages – discuss	Andrew requested, for achieving the project objectives, each workpackage should have a Gantt chart (with milestones) associated with it. This would ensure that we can clearly track progress for each sub- section of the work package. Also, that when reporting progress, the work package identifier is used (e.g. T1.1.2). Alasdair commented that we need to have everything done in the second year! In	Consider organising a face-to-face meeting in October to finalise this proposal (to replace the cancelled Greenland meeting). Since meetings can only be held in the NPA area, Inverness was suggested since it is easy to get to. Ireland was discussed but COVID-19 travel restrictions ruled this out for now.	Keep an eye on the COVID-19 situation re travel restrictions for a meeting in October in Ireland or Inverness.	Andrew Mackenzie	October 2020





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		year 3, all the emphasis will				
		move to UDARAS and An				
		Lanntair (branding) who				
		will guide us through that.				
		The pressure is on				
		everyone to deliver 4 good				
		pilots that will deliver good				
		outputs by July 2021.				
5	Any other business	Clíodhna mentioned that	It was agreed that a	Set up the system.	Clíodhna	Before 26 August.
		there were several SMEs	"shared document"			
		near to them who might	space should be set up			
		benefit from being involved	that would allow all			
		in the "Shared	Partners to add			
		Infrastructure" part of the	information about			
		project.	infrastructure (and			
		Information from the	common cultural			
		questionnaire should feed	aspects) in their own			
		into this study to get an	country. Joint working			
		idea of the needs if the	between UDARAS and			
		Industry.	An Lanntair.			





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Summary of Actions

ACTION	WHO	WHEN
Discuss with Richard Searle how the questionnaire could be improved with clearer separation between Cultivation and Harvesting questions.	Andrew	11 Aug 2020
Discuss with Richard Searle if the Scottish Seaweed Industry Association may be able to circulate the questionnaire and Press Release to their members	Andrew	11 Aug 2020
Arrange a physical meeting between Lews Castle College staff, Steve Husband and Jon to discuss a pilot – in the next couple of months.	Andrew	As soon as possible
Consider organising a face-to-face meeting in October to finalise the proposal to have a Project Plan for all work packages (to replace the cancelled Greenland meeting). Keep an eye on the COVID-19 situation re travel restrictions for a meeting in October in Ireland or Inverness.	Andrew	As appropriate
Produce a paper on his work on drying to be published in September.	Roy	By the end August
Register for the NPA 2020 Annual Event - Innovation for smart and resilient communities (<u>http://www.interreg-npa.eu/events/npa-2020-annual-event-innovation-for-smart-and-resilient-communities/</u>) be held on 23rd September 2020.	All	Before 11 September 2020
Send in any pictures or information that Clíodhna can use on the various media channels.	All	As appropriate
Set up a "shared document" space that would allow all Partners to add information about infrastructure (and common cultural aspects) in their own country. Joint working between UDARAS and An Lanntair .	Clíodhna	As appropriate

Next meeting:

Skype Wednesday 26 August 2020