

## NordAqua Online Course Autumn 2020

# Algae-based biotechnologies and their impact on Nordic blue bioeconomy

### 17 November Tuesday – Helsinki time zone

#### Water management

10.00-10.30	Umeå University	Can we use microalgae for wastewater reclamation and biomass production in the North?
10.30-10.40	Q&A	
10.40-11.10	NIVA	Algae based water remediation & analytics + NORCCA collection
11.10-11.20	Q&A	

#### Macroalgal biorefinery

11.20-11.50	SINTEF	Seaweed cultivation and seaweed based products
11.50-12.00	Q&A	

#### End of Course-day 1

### 23 November Monday– Helsinki time zone

#### Algal refinery, bioactive compounds

10.00-10.30	Helsinki University	Bioactive compounds from cyanobacteria & methodology + HAMBI collection
10.30-10.40	Q&A	
10.40-11.10	NIBIO	Cultivation techniques for product targeted algae biomass, and screening for bioactive compounds & Infrastructure at NIBIO Ås available in NordAqua
11.10-11.20	Q&A	
11.20-11.50	Bergen University	Bioactive compounds & anticancer studies
11.50-12.00	Q&A	

---

### Algal refinery concept-downstream

12.00-12.30	LUKE	Extraction of high value compounds from algae biomass
-------------	------	---

12.30-12.40	Q&A	
-------------	-----	--

### End of Course-day 2

---

## 26 November Thursday– Helsinki time zone

---

### Improvement of photosynthesis

10.00-10.30	UTU	Boosting photosynthesis & available methodology
-------------	-----	---

10.30-10.40	Q&A	
-------------	-----	--

---

### Cell Factories

10.40-11.10	Uppsala University	Cyanobacterial cell factories & available methodology
-------------	-----------------------	---

11.10-11.20	Q&A	
-------------	-----	--

11.20-11.50	VTT	Algal cell factories & available methodology
-------------	-----	--

11.50-12.00	Q&A	
-------------	-----	--

12.00-12.10	Wrap up & summary of the course	
-------------	---------------------------------	--

### End of Course-day 3

---