

## **Invitation to CCU (Carbon Capture and Utilization) workshop at Finnfjord AS (Northern Norway), Tuesday 29.05.18**

A National centre for CCU, located at the ferrosilicon producer Finnfjord AS (in North Norway), was opened by Prime Minister Erna Solberg in 2017. CCU is “useful” utilization of CO<sub>2</sub>, e.g. via photosynthesis (plants and algae) or chemical synthesis of (valuable) organic and inorganic compounds. This contrasts CCS (Carbon Capture and Storage) which is technically/chemically complex and does not convert CO<sub>2</sub> into valuable products.

**UiT - The Arctic University of Norway and Finnfjord invites you to join a CCU workshop on May 29<sup>th</sup> 2018.** The workshop will focus on the «status quo» of international CCU. The event aims to recruit potential participants to a planned **interdisciplinary and intersectoral CCU consortium** that shall function as a forum for exchange of CCU knowledge among industrial and academic partners, alongside exchange of personnel/scientists/students.

Our centre initiative currently focuses on different CCU activities (see also [site.uit.no/iccu](http://site.uit.no/iccu)): *Sequestration of CO<sub>2</sub> and NO<sub>x</sub> from factory smoke by mass cultivation of diatoms* (cooperation Finnfjord and UiT); *Use of CO<sub>2</sub> in chemical synthesis*; *Sustainable CCU business models*; *Cost efficient technological CCU solutions*; *CCU and climate justice*; *Surveillance of ocean environment and CO<sub>2</sub> life cycle analysis*. During the meeting, there will be a tour of the algae cultivation installation, which has the world’s largest closed photobioreactor (300 000L) and the energy retrieval plant at Finnfjord.

### **Tentative programme**

#### **Monday 28.05.18**

20:00 – Gathering and dinner at Finnsnes hotel

#### **Tuesday 29.05.18**

08:20 Mini-taxis from from Finnsnes expressboat-pier and from Finnsnes hotel to Finnfjord AS

08:45 – 11:00 Intro: «CCU activity at Finnfjord and at UiT »; Status CCU international (invited talks)

11:00 – 11:45 Tour Photobioreactor and Energy retrieval plant plus Laboratory

11:45 – 12:45 Lunch

12:45 – 16:00 Discussion: CCU vs. CCS, possibilities and limitations, future activities, invitation to CCU research cooperation and/or partnership (e.g. joint interdisciplinary and intersectoral research applications).

UiT - The Arctic University of Norway has 16000 students and 3 500 employees situated in Tromsø, Alta, Hammerfest, Harstad and Narvik. <https://uit.no>

Finnfjord AS is the world's most energy efficient producer of ferrosilicon and has Norway's largest steam turbine that can produce up to 340 GWh electrical power. <http://finnfjord.no>

Finnfjord can be reached from Tromsø by expressboat (1h 15 min) from/to Tromsø or from/to Bardufoss airport (42 km from Finnsnes = 40 min with car, 60 min with bus). By car the distance Tromsø-Finnsnes is 160km (2 hrs. 10 min).

Monday: Expressboat Tromsø – Finnsnes 0700 – 0820

Tuesday: Expressboat Finnsnes – Tromsø 1800 – 1920

We promise a day with highly interesting topics and fruitful discussions!

No conference fees, but you must cover your own hotel stay!

Registration, preferably before **Wednesday 25.04.18** to this mail:

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