

Invitation and Agenda

„Exploring Negative Emission Technologies in the Plastic Industry“

Thursday, 6 June 2024 @EMPA Dübendorf

Joint conference of the Innovation Boosters



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As various industries are beginning their journey towards net zero, we invite you to gain insights into existing approaches to mitigating CO₂ emissions in different sectors and to explore novel and innovative ideas for achieving carbon removal beyond emissions reductions. We aim to bring together established industry players, scientists, and start-ups in order to exchange thoughts and discuss ideas for advancing the industry towards net zero together. In addition, you will have the chance to visit NEST – the modular research and innovation building of Empa and Eawag where new technologies, materials and systems are tested, researched and further developed under real conditions. Finally, alumni and current participants of the Innovation Boosters “Zero Emissions Plastics” and “Carbon Removal” will share their experiences of participating in the program and developing radical ideas.

In line with the Paris Agreement and in light of global climate change, the Federal Council decided that Switzerland should aim for net-zero greenhouse gas emissions by 2050. While reductions of greenhouse gas emissions will make up the major part in reaching this goal, 7 million tons of CO₂eq are likely to remain as hard-to-abate emissions and must be balanced with negative emissions technologies¹. Despite this clearly defined goal, many questions remain unanswered: How do we navigate the pathways toward achieving net-zero emissions? What technological advancements and regulatory frameworks are requisite to foster viable business models? How can we gain social acceptance for the necessary transformative measure?

Actors from science, industry, politics and society must work together closely to achieve rapid emission reductions across various sectors. While the focus must clearly lie on reducing emission, concerted efforts are also needed to push forward the development of the yet nascent field of negative emissions technologies.

¹ <https://www.bafu.admin.ch/bafu/en/home/topics/climate/info-specialists/emission-reduction/reduction-targets/2050-target/climate-strategy-2050.html>

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Agenda	
09:30	Welcome coffee
10:00	Welcome Speaker Carbon Removal and P4ZE
10:10	Keynote Switzerland's long-term Climate Strategy - The role of NET in achieving the 2050 goal Bettina Kast, BAFU
10:40	Keynote Scientific Viewpoint on Negative Emission Technologies Roland Hirschler, Empa
11:10	Coffee break
11:25	Best practices from the plastic industry GF Semadeni-Group
11:45	Pres 2 Luca Tschurtschenthaler, Neustark
12:05	Best practices from the textile industry Nina Bachmann, Swiss Textiles
12:25	Lunch break
13:15	Site Visit NEST@EMPA (only for registered participants, limited capacity)
14:00	About the Innovation Booster funding programme Speaker Carbon Removal and P4ZE
14:10	Best practices from the sport industry Turning carbon emissions into running shoes Announcing CleanCloud™ – a new high-performance foam for running shoes, created using carbon emissions as a raw material. Nils Altrogge, ON
14:30	Pres 5 Carbonauten (?)
14:50	Pres 6 tba
15:10	Startup and idea pitch, Supported by ImpactHub (5-10 mins each)
16:30	Outro Innovation Boosters Speaker Carbon Removal and P4ZE
16:40	Networking apéro

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Registration Types and Rates

	Regular	Academic / Students
Innovation Day	190	90
Sponsoring	Available on request	

all prices are net prices, excl. tax

Please note that the available number of participants is strictly limited. Don't miss your spot and register soon.

A guided tour of NEST is offered but is only available for a very limited number of participants. Please book your participation separately when you register.

[Register here](#)

If you have any questions about the event and its content, please contact Theo Sandu, theo.sandu@composites-united.com