



Photo: Liza Simonsson



Karolinska
Institutet

NEO breakfast meeting

Petter Höglund

Chair Neo steering group and Head of MedH

2025-09-15

Welcome!

Agenda

- Report from the chair of the Neo Steering group, Petter Höglund
- Neo work environment group, Vanessa Lundin
- Information regarding change in nitrogen supply, Erik Lundgren
- Information from the Neo manager, Elisabeth Raschperger
- Research in ten minutes, Janne Johansson, MedH
- Q&A

Information from the the chair of the Neo Steering group

Petter Höglund

Visions for experimental research at Campus South

Experimental environments at Campus Flemingsberg – Neo and Ana Futura

- Neo and Ana Futura residing in separate buildings, which means separate
 - Procurements
 - Freezer facilities
 - Service organisation
 - Work environment group
 - Leadership
 - Economy
 - ...
- These differences may cause competition between the environments.
- Two different environments that compete at the same Campus weakens Campus South's competitive strength towards the outside world.

Towards a stronger Campus South

- Increased cooperation between Neo and Ana Futura is necessary
- The steering groups meet together more frequently than before
- The following four question are on the agenda now:
 - A common freezer facility with the same service structure, organisation and prize list (will be implemented from January 2026)
 - Closer collaboration between the two service organisations (follow-up of survey from the spring you all got).
 - Synchronized economy work, with a transparent way of calculating and displaying costs that allow direct comparisons between the environments.
 - Shared engagement regarding work environment.
 - Next step: include Biomedicum in the comparison.

My vision, three years from now:

- Neo and Ana Futura are two sites in one environment, with:
 - A common leadership group
 - A common economy model, in which all costs are shared.
 - A better procurement strategy leading to better deals and lower prizes.
 - A joint service team with complementary skills that serve both buildings.
 - A common work environment group.
 - A common freezer facility.
- Experimental research at Campus South has a stronger position relative to the outside.
- We have started to integrate also other KI buildings, such as Ana 23, in a common environment.
- We have come further in integrating experimental research at Campus South with Campus Solna and Campus North.

Work Environment Group Neo

Vanessa Lundin

Purpose of the work environment group in Neo

To create a safe and secure workplace for employees and students

Identify issues and challenges related to the physical work environment in Neo
Coordinate and communicate implementation of measures
Ensuring effective execution and follow-up of initiatives

Roles and Responsibilities

- **Risk Identification and Analysis**
 - Identify and assess risks to proactively manage safety hazards and prevent incidents.
- **Safety Inspections and Follow-up**
 - Initiate safety inspections and follow-ups and ensure implemented actions effectively mitigate risks and improve safety.
- **Continuous Improvement Initiatives**
 - Ensure safety measures in Neo are continuously evaluated and enhanced.
- **Compliance and Communication**
 - Support legal and central compliance and fostering cross-department collaboration

WEG Neo Group Members

- **Representatives from MedH, NVS, and CLINTEC**
- **Safety Officers** (Belinda Pannagel, MedH & Taher Darreh-Shori, NVS)
- **Student Safety Rep** (Paula Hahn, MedH)
- **Fire safety Supervisor** (Anne-Sofie Johansson, MedH)
- **Biosafety rep** (?)
- **Chemical Rep** (Belina Pannagel, MedH)
- **Environmental and Sustainability Rep** (Sara von Bahr Grebäck, MedH)
- **Radiation Rep** (Amit Kumar, NVS)
- **Flammable Goods Supervisor** (Janne Johannsson, MedH)

Contact Information

`workenvironment-neo@ki.se`

Mandatory Fire Evacuation Drill in Neo



**FRIDAY, SEPTEMBER
19TH
13:00–14:00**

Information regarding change in nitrogen supply

Erik Lundgren

N2 from LN2 price comparison

Cost buying gas on cylinders (today)

- 1,5 cylinderbundle á 14.168 kr per month 21.252 kr
- Rent gas cylinders per month 9.937 kr
- Total 31.200 kr/mon or 374.300 kr/year

Cost using LN2

- $1,5 \times 133,51 \text{ kg} / 0,81 \times 2,10 \text{ kr/lit}$ 520 kr/mon eller 6.240 kr/year

Cost implementation (construction)

- Offer Linde 98.381 kr (one time cost)

Purity N2 vs LN2

- Data sheets show that the two products are more or less identical
- Ana Futura use N2 from LN2 for its incubators and other instruments and has done so since its creation
- N2 from LN2 is also used at BioMedicum for various purposes

Data sheet N2

Nitrogen LAB LINE®				N ₂
Andra benämningar	Kväve			
Renhet i vol. %	5.0		5.6	
	N ₂ * ≥ 99.999%		N ₂ * ≥ 99.9996%	
	O ₂	≤ 2 ppm ^{A,B}	O ₂	≤ 1 ppm ^{A,B}
	CO	≤ 1 ppm ^{A,B}	CO + CO ₂ +	
	CO ₂	≤ 1 ppm ^{A,B}	C _n H _m	≤ 1 ppm ^{A,B}
	C _n H _m	≤ 1 ppm ^{A,B}	H ₂ O	≤ 2 ppm ^{A,B}
	H ₂ O	≤ 3 ppm ^{A,B}		
*) Inkl. ädelgaser, A = Analyserat, B = Certifikat				
Hållbarhet:	Stabilitet : 60 månader			

Data sheet LN2

Produktspecifikation för kund

HIQ LIQUID NITROGEN 5.0

Produktnamn	HIQ LIQUID NITROGEN 5.0		
Produktsegment	Liquid products	ADR	2.2
EC nr	231-783-9	UN	1977

Komponent	Konc.	Enhet	Blandningstolerans
N2+Ar , N2+Ar	≥ 99,999	%	0,0

Tillåtna föroreningar	Koncentration	Enhet
Koldioxid	≤ 2	ppm
Kolmonoxid	≤ 1	ppm
Vatten	≤ 3	ppm
Oxygen	≤ 3	ppm
CnHm, THC	≤ 1	ppm

Other aspects

- The gas pressure achieved from LN2 is only 3,2 bars compared to the current system pressure of 15 bars from gas cylinders
- In Neo today, there is no nitrogen equipment needing more than 1 bar
- The whole infrastructure for high pressure gas (tubing, connections etc.) is still in place should the need arise
- The steering group favors this implementation
- Questions?

Information from the Neo manager

Elisabeth Raschperger

Measures to improve safety in Neo

- Recurring incidents on Neo Floor 5 involving unauthorized individuals causing disturbances, damage, and littering.
 - The entrance/exit to Widerströmska Gymnasiet via Blickagången 16 has been closed for both their staff and students.
 - KI SÄK will extend security patrols in the area between 10:00 and 14:00 on weekdays.

General information

- Lab coats
 - Change of supplier from January 2025
- Repair of broken glass railing and installation of moss wall
 - Ongoing actions handled by the KI property department
- Access card – new form
 - Only use the the form on Neos homepage
- Silent room/Tyst rum
 - To be used for short meetings, phone calls, or when you need to work undisturbed for a limited period
 - Not to be used as permanent office spaces

Neo Service team

- General information

- See Neos homepage for information regarding contact information, working hours and how to place a ticket
- The team's services

Common service	Washing facility	Goods, logistics and communication	Freezer facility	Technical service
Card access	Lab ware washing	Goods receiving, in-house deliveries and post	Technical support	Monitoring, troubleshooting and repair of AV equipment
Emptying recycling stations	Autoclavation	Lab equipment and furniture placement	Alarm system	Troubleshooting, repair and annual service review of common equipment
Lab/office maintenance and adjustments	Lab coats	Overhaul of meeting rooms	Safety courses	Service contract coordination of common equipment/services
Inventory and purchasing of common products, safety equipment, gas and dry ice		House introduction	Preventive maintenance	Filling of liquid nitrogen tanks
Overhaul of paper copy stations and confidential containers		Management of questions regarding: <ul style="list-style-type: none">• Coffee machines• Convini-store• Cleaning• Lab waste		Change and restocking of CO2/Nitrogen tubes
Daily check of coffee machines		Management of questions addressed to Hemsö/COOR		

Communication in Neo

- E-mail addresses
 - Neo_All@ki.se – all staff in Neo
 - steeringgroup-neo@ki.se
 - serviceteam-neo@ki.se
 - draftingcommittee-neo@ki.se
 - workenvironment-neo@ki.se
- Neo webb – staff.ki.se/neo

Research in ten minutes

Janne Johansson, MedH



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Q&A



Breakfast mingle





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