



Water and Military Activity

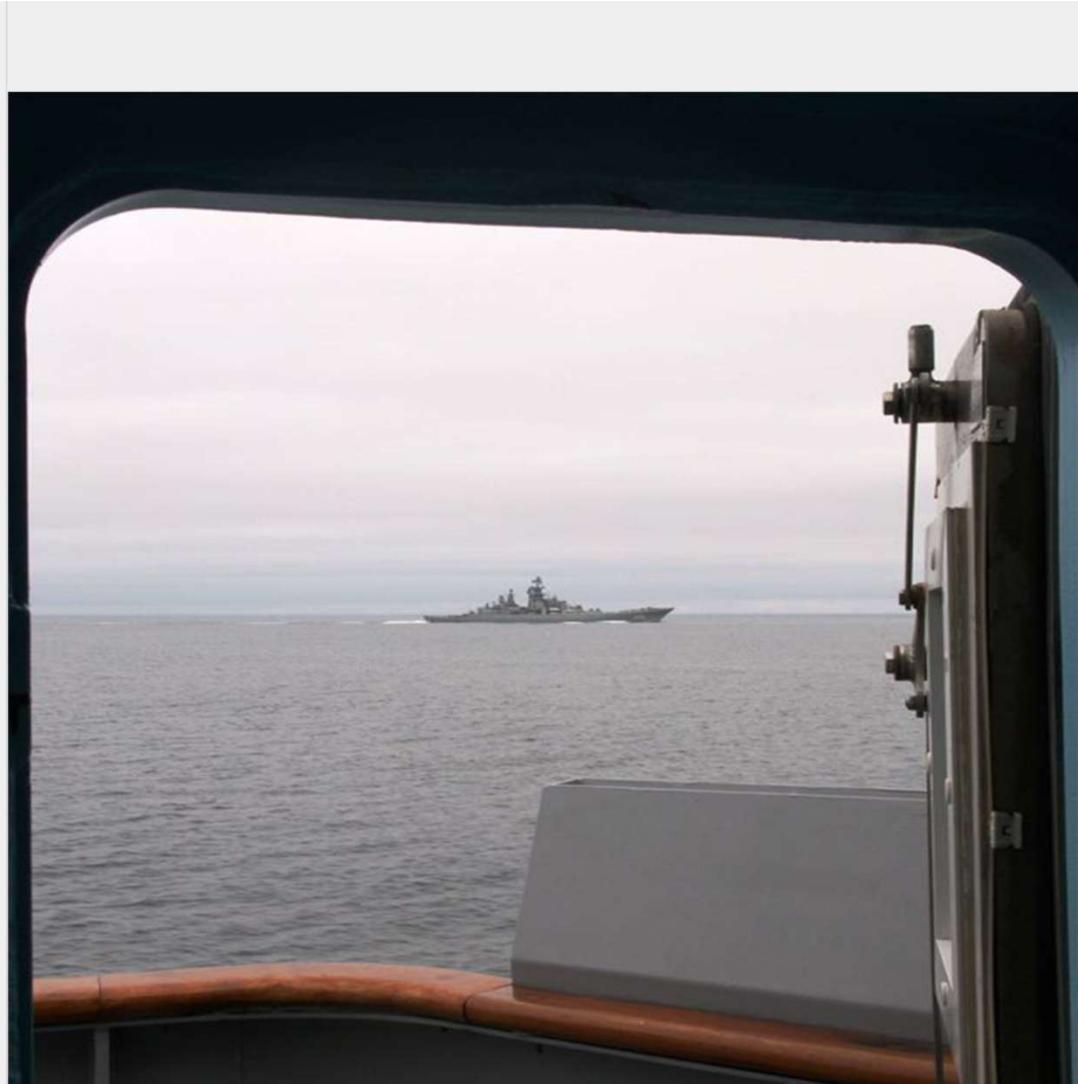
Input to the Nordic-Baltic meeting on water

2025-10-22

Lt Col Torgrim Aune
Inspector of Veterinary Services
Chief Veterinary Corps

NORWEGIAN ARMED FORCES

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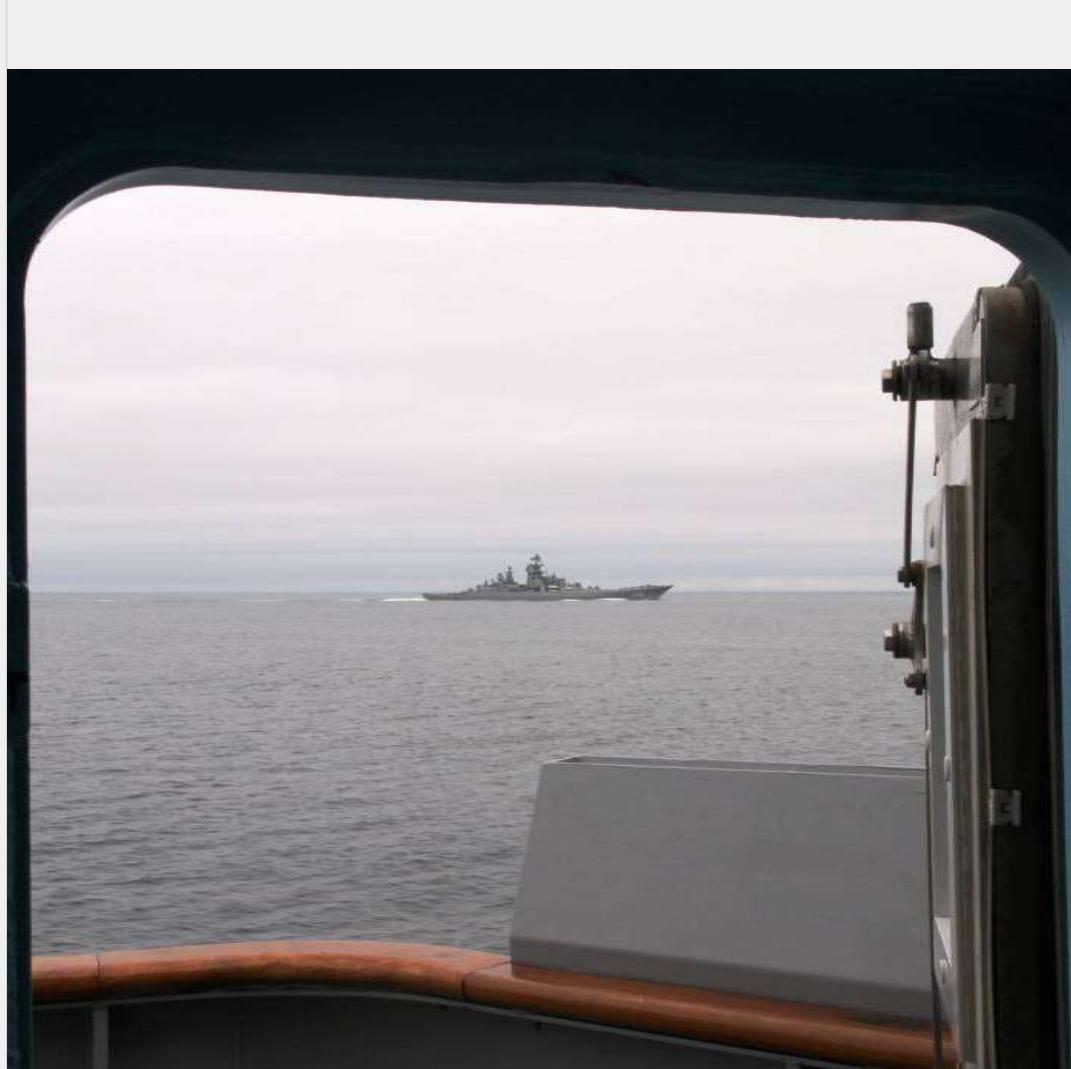


Scope

The purpose of this presentation is to contribute to the understanding of

- the military need of water
- what challenges we could expect
- possible Lines of Effort

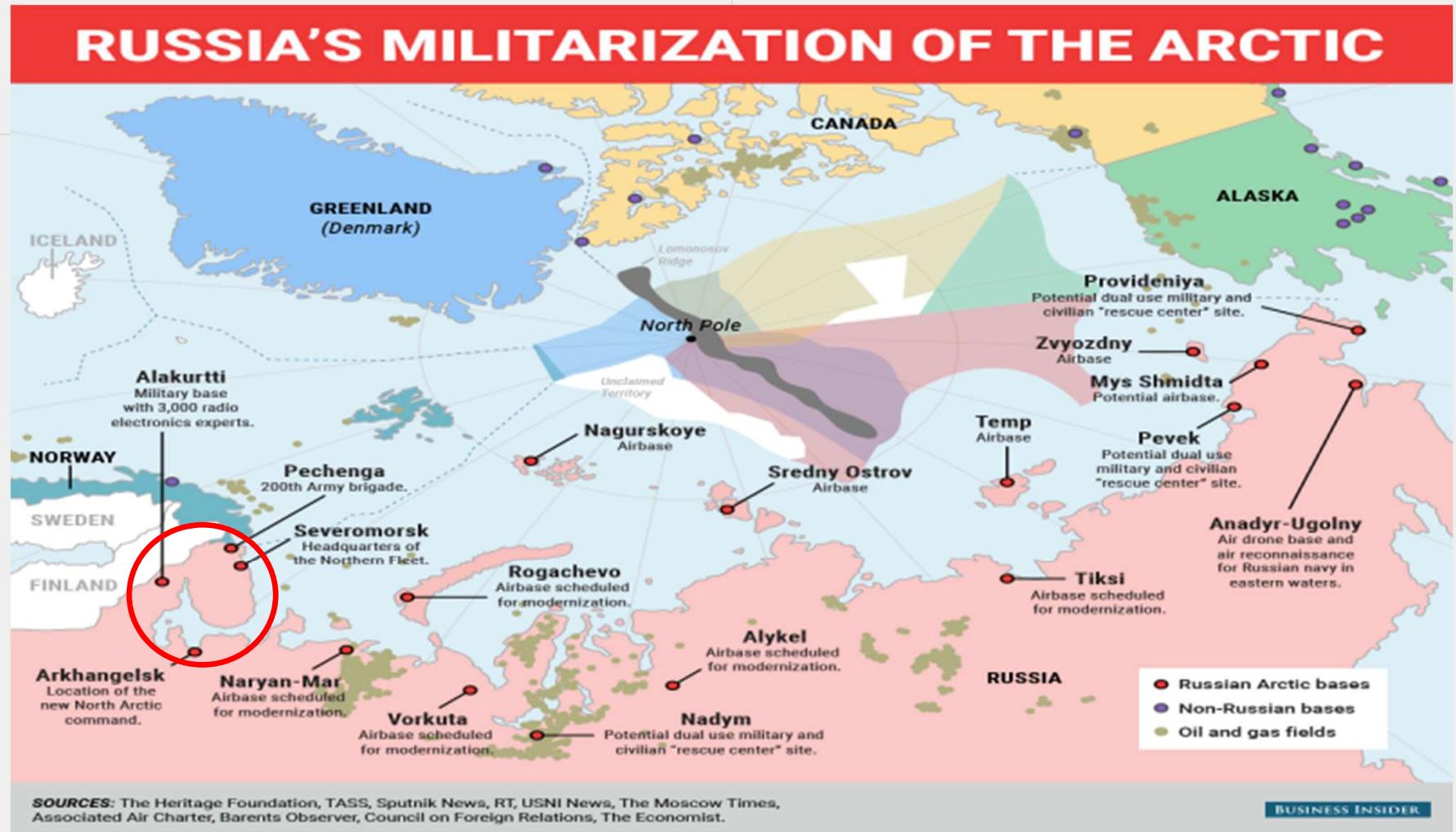
The presentation is unclassified, based on open sources



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Where are we?





Bastion Defense Concept

- The bastion remains – topography unchanged
- Forward defense is decisive
- Greenland – Iceland – UK (=GIUK) - the gate to the Atlantic Ocean
- 80 % of Norway is «behind» a naval front – a major challenge

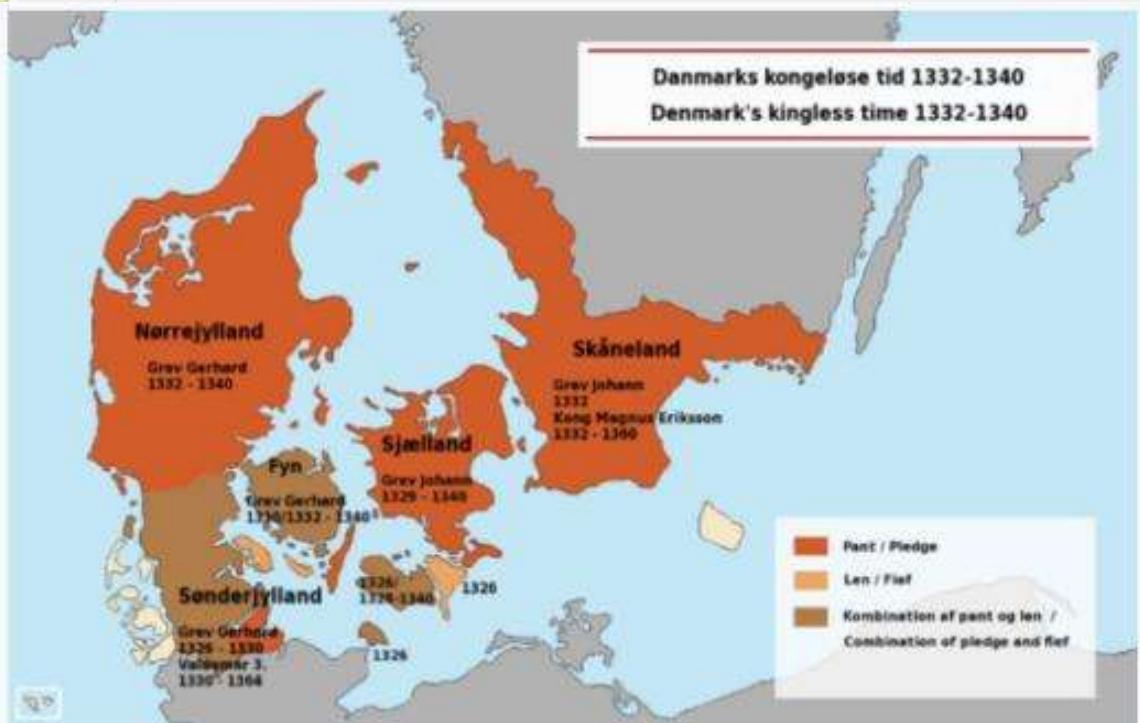


(U) DOLGORUKIY #3 Vladimir Monomakh (t.v.) og DOLGORUKIY #1 Yuriy Dolgorikiy (t.h.) i Gadzhievo, Sayda Guba, feb 2015





..and the Baltic Region..



The kingless time 1332–1340

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What is war?

War can be seen as an *act of force* to compel our enemy to do our will;
«war is the continuation of policy with other means». (Clausewitz)

«Force» is often «violence» - but not only.



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Are we in peace?

FOI leder nytt kunskapscentrum för livsmedelsberedskap

FOI har tillsammans med Sveriges lantbruksuniversitet (SLU), Statens veterinärmedicinska anstalt (SVA), Livsmedelsverket och Jordbruksverket beviljats totalt 60 miljoner kronor i forskningsmedel från Formas för att skapa Food Defence Research Centre, ett kunskapscentrum för livsmedelsberedskap.



– Vår forskning syftar till att bygga förmåga att upptäcka och hantera antagonistiska hot mot livsmedelstörnringen i alla led, från den enskilde lantbrukaren och livsmedelsrörelsen till kommuner och myndigheter, säger forskaren Camilla Eriksson vid FOI som leder det nya kunskapscentrumet.

Kunskapscentrum för livsmedelsberedskap kommer att organisera arbetet i fyra olika spår som fokuserar på varsin typ av krigföring: kemisk, biologisk, ekonomisk och informationskrigföring. Genom centrumet etableras ett nytt partnerskap mellan försvars-, jordbruks- och veterinärmedicinsk forskning samt mellan de myndigheter som ansvarar för olika delar av livsmedelsberedskapsen.

tagesschau

Sendung verpasst? 



EXKLUSIV Ermittlungen

Neuer Sabotageverdachtsfall bei der Marine

Stand: 21.02.2025 17:00 Uhr

Bundeswehr und Polizei ermitteln wegen eines weiteren möglichen Sabotagefalls - diesmal an der Fregatte "Hessen" in Wilhelmshaven. Das ergaben Recherchen von WDR, NDR und SZ. Laut diesen geht es um die Verunreinigung des Trinkwassersystems.

Von Manuel Bewarder NDR/WDR, Florian Flade, WDR und Antonius Kempmann, NDR

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How should we think?

When an actor gain access, but do little harm,

- are they incompetent?
- do they just want to create concern?
- or are they preparing?

Threat assessment is more complex than risk assessment

tagesschau Sendung verpasst? 



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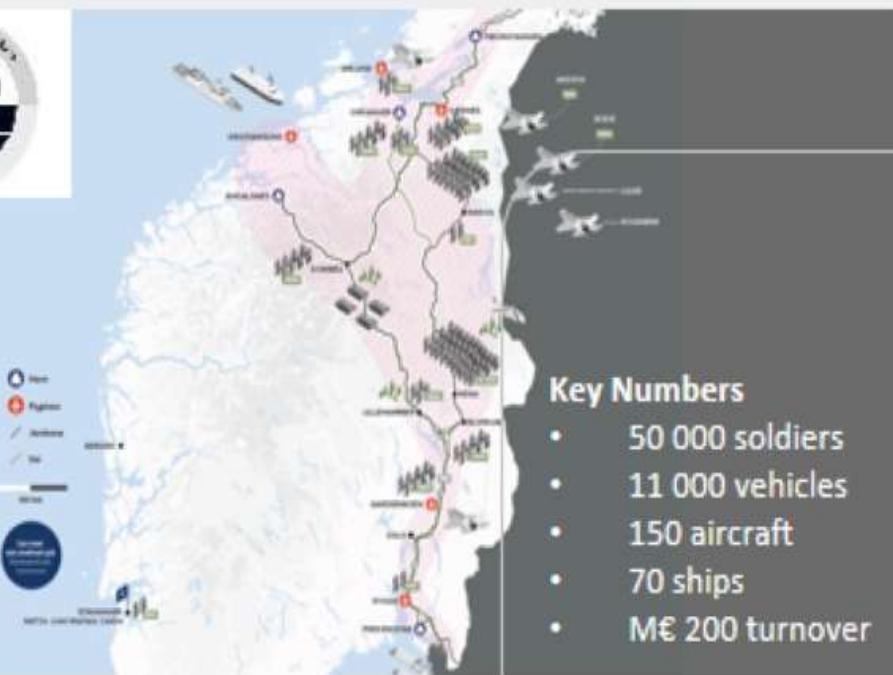
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Host Nation Support (HNS)



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SECTION 1

PURPOSE, SCOPE AND APPLICABILITY

1. The purpose of this Memorandum of Agreement (MOA) is to translate the NATO Heads of State and Government political intent into actionable provisions to provide specific Host-Nation Support (HNS) to NATO forces for deterrence and collective defence in implementing the Concept for Deterrence and Defence of the Euro-Atlantic Area Family of Plans (DDA FoP). The Host Nations (HNs) confirm their responsibility to HNS as the key

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enabler for reinforcement and sustainment activities in the context of the implementation of DDA FoP and the most important means to transit, receive, accommodate and sustain deployed forces, in accordance with NAC-approved plans for Collective Defence (CD).

2. The aim of this MOA is to define and establish the general principles, roles, responsibilities, terms and conditions that will apply to the provision of HNS for Deterrence and Defence and set up the legal framework for the respective subordinate Technical Arrangements (TAs) as per Section 7. These TAs will be supplemented by the Minimum Operational Requirements (MOR) necessary for the implementation of the NAC-approved DDA FoP.

3. The provisions of this MOA apply from peacetime to crisis and conflict in all SACEUR's AOR, which is defined in MC 0053/3 FINAL REV 1 CHANGE 2 FINAL, Terms of Reference for the Supreme Allied Commander Europe, and any future revisions and changes thereto, for rendering and delivering HNS for the implementation of DDA FoP. HNS to NATO military activities, other than implementation of DDA FoP, will continue to be governed by the bilateral standing HNS MOUs concluded between SHAPE/SACT and NATO nations.

4. This MOA encompasses HNs resources and obligations across the governmental bodies (civil and military) as well as the collaboration with commercial providers, which requires a well-aligned Whole-of-Government approach, as well as implications on societal resilience, given the implications on National Resilience throughout the seven Baseline Requirements and, particularly, on societal resilience. The HNs agree to their responsibility to include national civilian stakeholders in resourcing and implementing this MOA. Such stakeholders will not only include civil ministries and agencies, but also the private sector and civil society. HNs will also be prepared to de-conflict competing needs for civil/military/commercial resources, to be able to fulfil military requirements considering the provision of essential services to civilian population.

NORDEFCO

One interesting «Line of Effort»:
Food Defense in a Total Defence Perspective

Annual Civ-Mil meetings on Secret VTC

Spin off: access to classified communication
for civilian entities

Will move to NATO SECRET



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Lessons identified

Societies are constructed differently –
CivCiv and MilMil is likely easier than
CivMil

Cooperation with security entities is key

There are a lot of stakeholders – who owns
what? – C2 balanced with initiative

The same challenge can be seen as a
resource or security/force protection issue

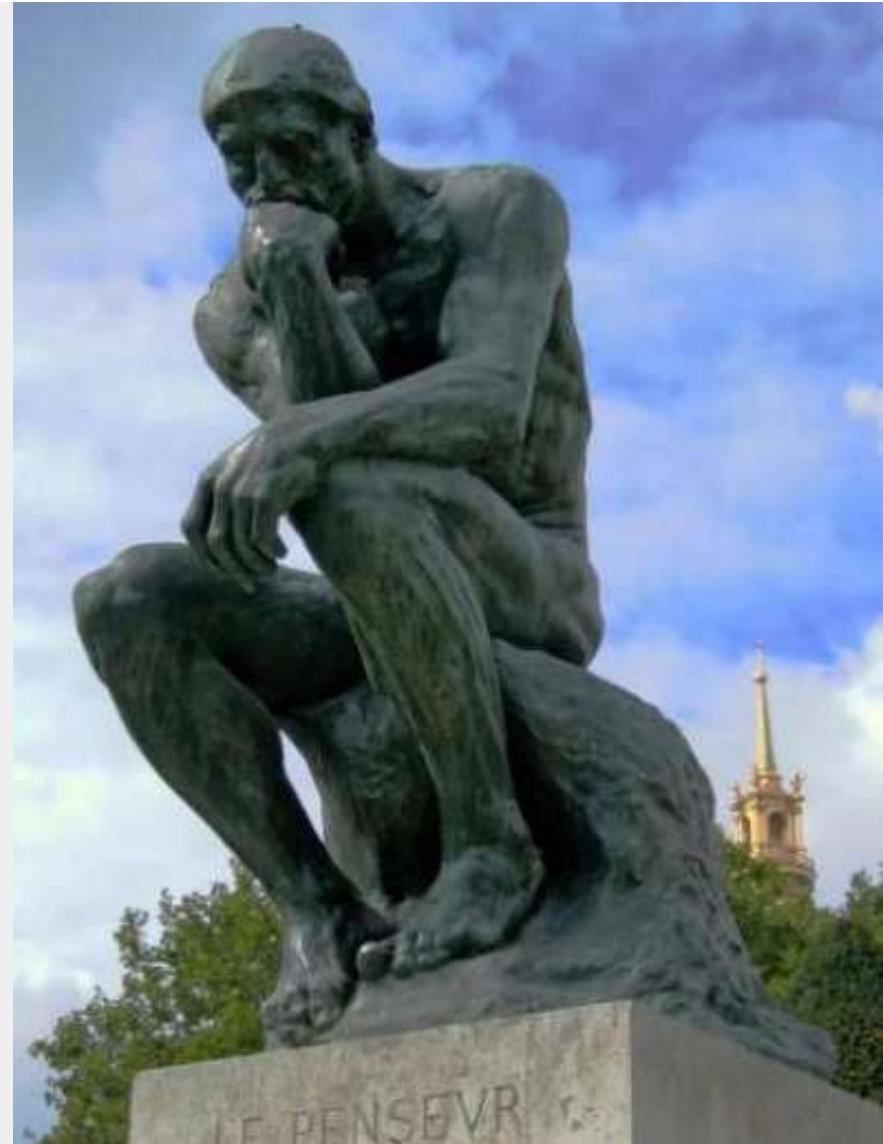


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Good questions to ask?

- How to deny access to information?
- How to deny access to systems?
- Can we operate without internet?
- How long can we go without electricity
- If we cannot treat the water, can we still pump?
- Regional cooperation on HR & spare parts? Chemicals?
- Alternative sources?
- What happens if the population locally increase ten fold?

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Communication!

Hybrid activity is a bit like covid-19;

- Could have been worse,
- But is not really okey..

How can we balance:

- Alarming the population enough
- But not scare them?

While telling the truth, and maintaining societal trust?

This will be a challenge for all, from the local community to the government, depending on the volume and distribution of friction.

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FORSVARET

Situasjonen fremover vil være dynamisk og krevende, endre seg hurtig – og være avhengig av lokale forhold. Forvent høyt sykefravær.

BIDRA TIL OPERATIV EVNE

HENSIKT
Hensikten med smittevern er å opprettholde tilgjengelighet på personell og ungå høyt og ukontrollert fravær av særlig personell i kritiske funksjoner, grunnet sykdom og isolasjon. Måletsetningen er at vi gjennom å opprettholde fokus på smittevern kan redusere risikoen for operativ evne. Sluttslstanden når gjennom ivaretakelse av operativ evne og avgsningsutbytte av CR22, frem til situasjonen normaliseres.

FOREBYGG >     

- Si JA til vaksine.
- Hold minimum 1 meter avstand.
- Bruk munnbind når 1 meter ikke er mulig.
- Begrens nærekontakter, pass på renhold og luft ofte ut.
- Oppretthold hygiene.

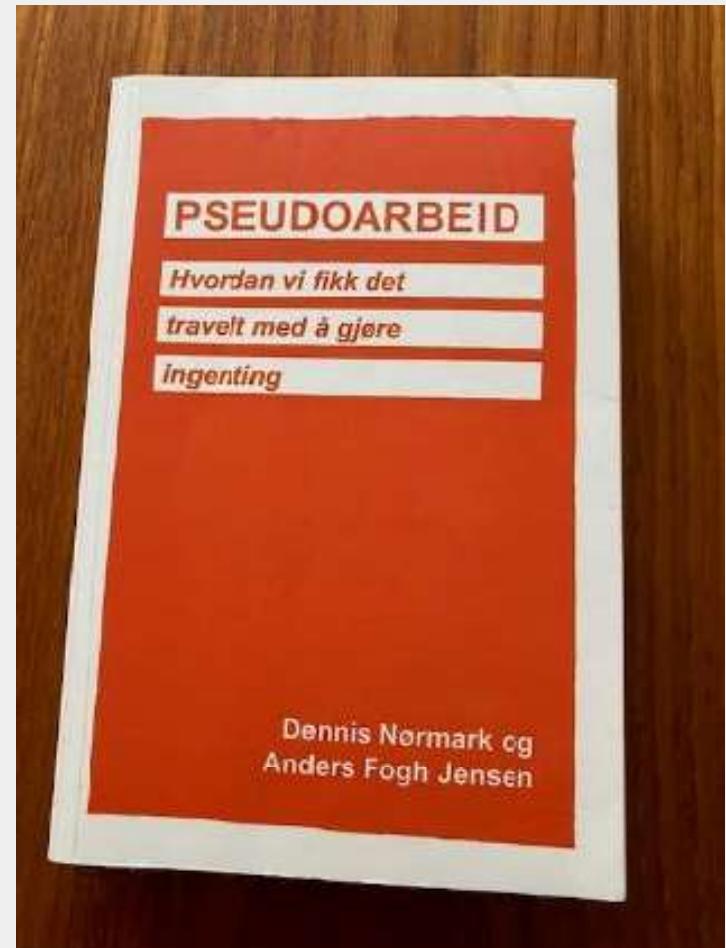
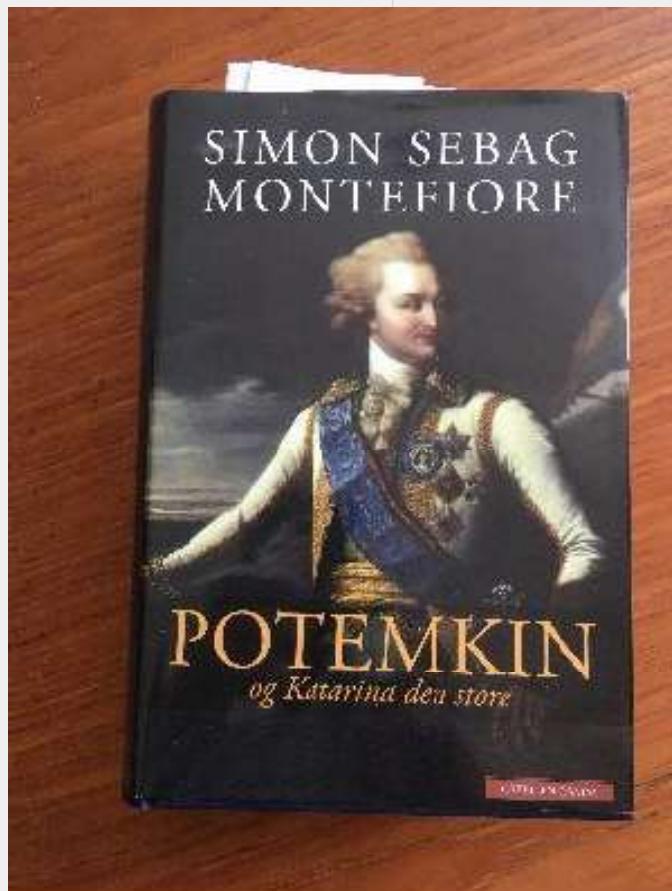
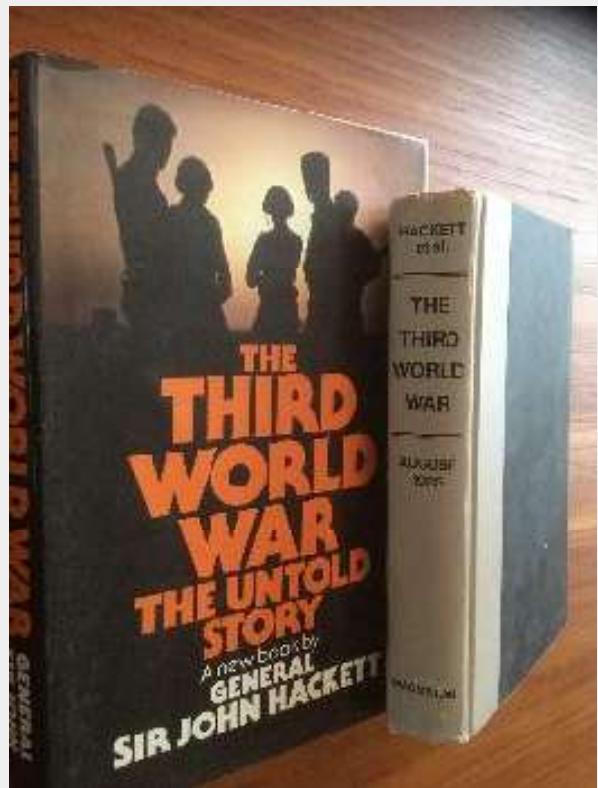
TILTAK VED SYKDOM >    

- Hold deg hjemme eller på utpekt plass når du er syk.
- Test deg ved nypostatte luftveisymptomer.
- Ta forbindelse med nærmeste sjeif for nærmere feringer for tilstedevarsel.
- Statt de som er isolert.

Torsdag 3. februar 2022

The purpose of hybrid activity is to make things difficult!

Suggested reading



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“In the midst
of chaos, there is also
opportunity.”

Sun Tzu



Questions?

Photo: the Russian Armed Forces