



EVELINA PERSSON

# Exercise analysis and evaluation in the Nordics

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**“BIG DATA” becomes  
“WIDE DATA!”**

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# Weaponizing clients data analysis

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Our overall ambition is to allow the HQs to leverage readiness “dollars”



Our aim is to provide data to clearly identify and visualize

- ✓ Training events where we are achieving readiness and where we are not, and to make adjustments as required
- ✓ Analysis of data over time to predict readiness trends
- ✓ Unit progress vs training objectives in real time to inform and support decision making to dynamically re-task the scenario as required
- ✓ Gaps in readiness where we may be accepting risks
- ✓ Ability to achieve higher levels of readiness in less time with fewer resources

We want to provide decision support in near real time, to be visualised in (customizable) dashboards and reports

# How do you use your data?

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## Describe the purpose of collecting and visualize data

- ✓ Find the main focus
- ✓ Find the main users by making a stakeholder analysis
- ✓ Identify variables which will be important in the decision making



## Identify functional and non functional demand

- ✓ Functional demand – what would the user like to use in the system (map, table etc) and layout.
- ✓ Non functional demand – Usability, design and time required to understand and learn from the system.



## Delivery demand

- ✓ Time schedule for the dashboard/dashboards
- ✓ How many dashboards will be created
- ✓ Think "next practise"

# Target the right users

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## STRATEGIC

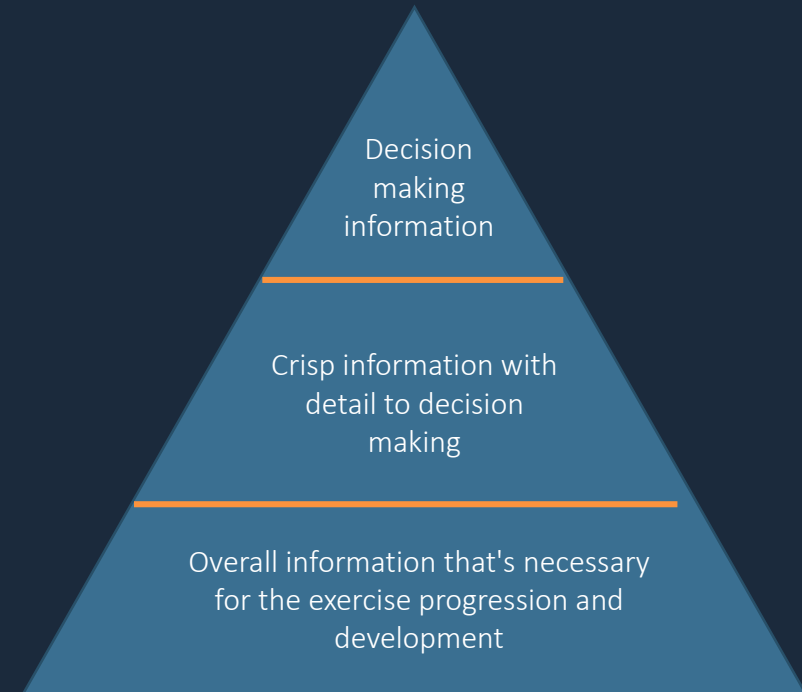
- ✓ Small user groups like senior military leadership and exercise directors.

## OPERATIONAL

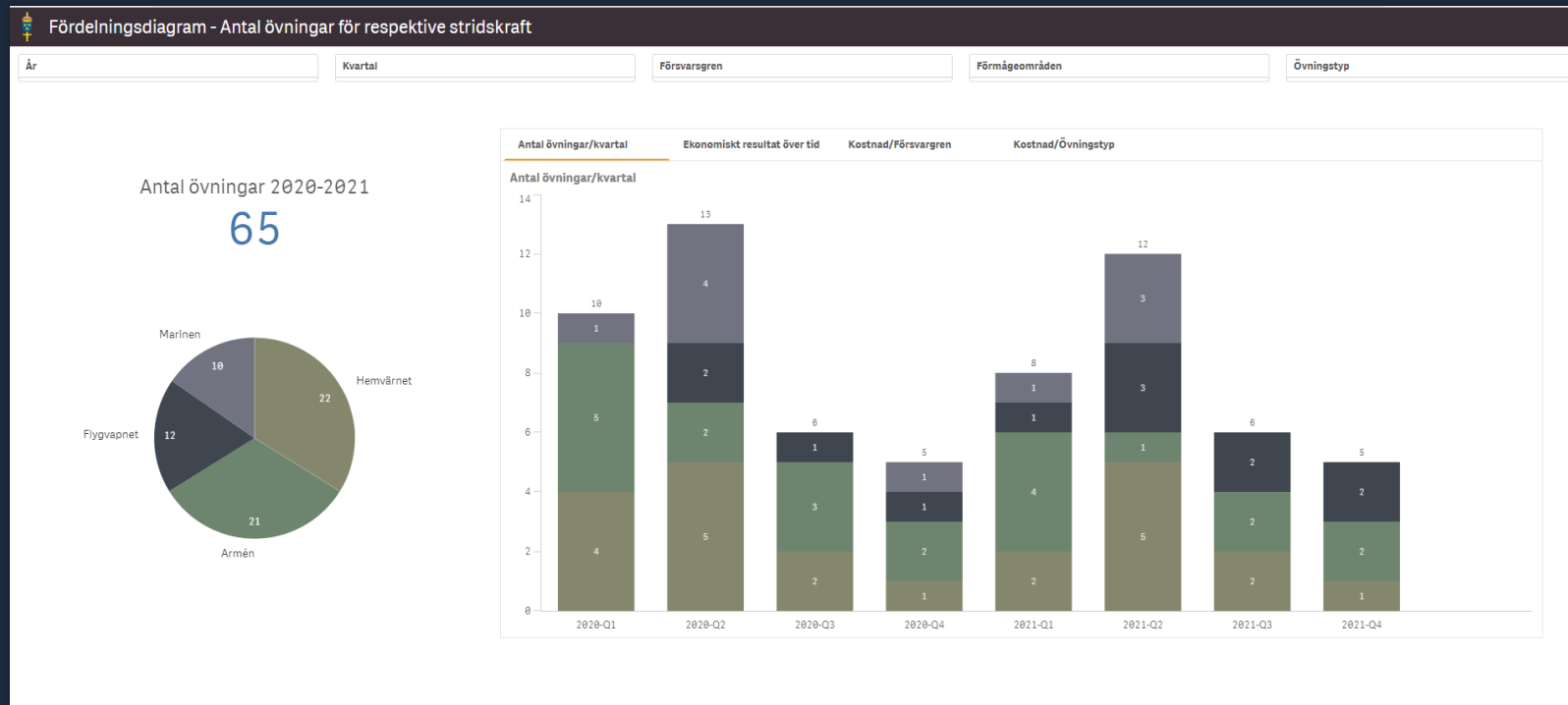
- ✓ Middle size user groups like core planning teams, observers/trainers/mentors etc.

## TACTICAL

- ✓ Wide user groups like training audience.



# Yesterday – Historical exercise data



HISTORICAL DATA

NEW DATA

FUTURE DATA

# Today – Real time exercise data

### CHECKLIST MANAGER

Task	Användare	Comment	Startdatum	Slutdatum	Status
Establish the Core Planning Team(CPT)	OPR	The CPT should determine the optimal requirements for syndicates to be conducted during the IPC including essential subject matter expert representation from participating	2019-10-11	2019-11-04	In progress
Establish the Exercise Planning Group 1 (EPG 1)	OPR	Ensure adequate facilities for plenary and syndicate working areas	2019-06-30	2019-07-05	Done
Establish the Exercise Planning Group 2 (EPG 2)					
Establish the Exercise Planning Group 3 (EPG 3)					
Initial Explan established					
Scenario Module 1 finalized					
Scenario Module 2 finalized					
Scenario Module 3 finalized					
Send out program to MEL/MIL WS					
Refined Explan					

NUMBER OF TASKS: 10


TO BE STARTED: 1


IN PROGRESS: 6

PASSED DEADLINE: 1

FINISHED: 2

**Plan**





### OTTM - EXERCISE DETAIL

Entity:

Observation day:

Objective:

Grade:

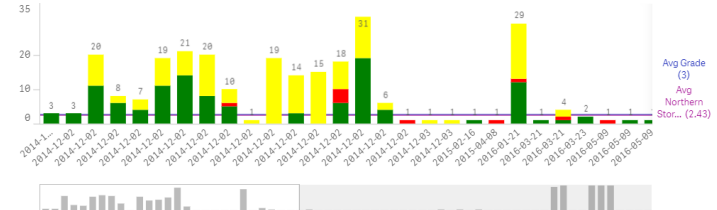
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No. of observations: **515**

Interoperable: **345**


Partly Interoperable: **150**

Not Interoperable: **20**



**Observation update**

Entity	Date	Grade	Objectives	Description
311. Combat Support Company	2016-05-09	Not Interoperable	Integrate Intelligence Information	They are still working in Silos
313. Rifle Company	2019-05-16	Not Interoperable	Integrate Intelligence Information	The SO2 shouldn't sleep during work hours
311. Combat Support Company	2016-05-09	Interoperable	Communicate Tactical Information Securely	The minister is communicating securely
312. Rifle Company	2017-02-09	Partly Interoperable	Operate with Helicopters	The Coy has increased its capability significantly during the last training event, but still need to drill procedures in order for the entire company to be fully interoperable with NATO procedures.
312. Rifle Company	2017-02-08	Not Interoperable	Operate with Helicopters	The company had a hard time in communicating with the Pilots, but are keen to learn and improve their abilities
31. Infantry Battalion HQ	2019-06-25	Not Interoperable	Communicate Tactical Information Securely	The COM have problems in writing sufficient tactical orders and send them out
312. Rifle Company	2018-04-12	Partly Interoperable	Develop Tactical Intelligence	sjadsjsdjasjd
312. Rifle Company	2017-02-08	Partly Interoperable	Operate with Helicopters	Significantly improved ability to operate with helicopters after quick training by OTTM aif.



- HISTORICAL DATA
- NEW DATA
- FUTURE DATA







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