



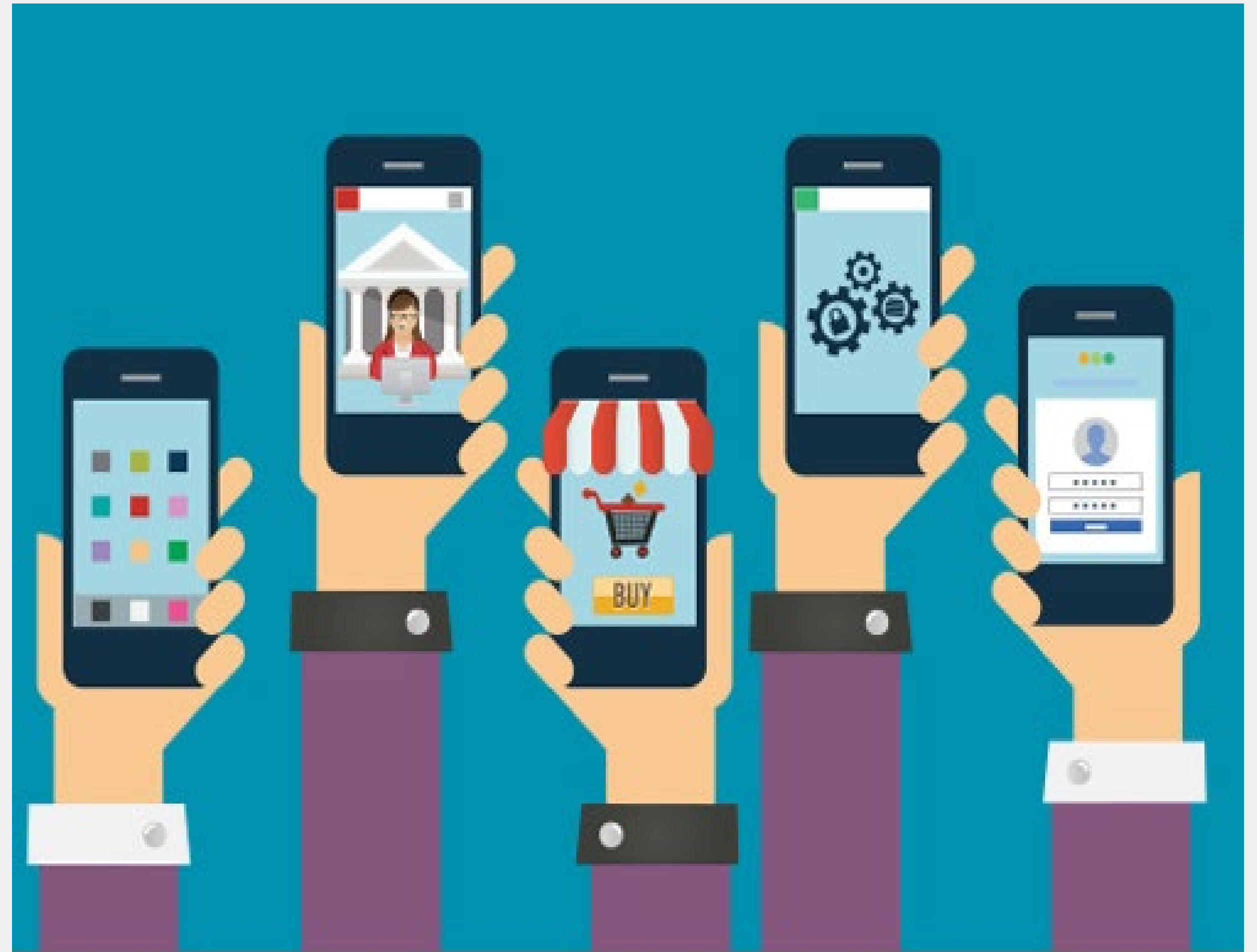
Norwegian Home Guard

*Major Johannes Hobaek
App-builder Mlab*

NORDEFECO ADL Conferance

Gol, Norway

May 14-16th 2019



Johannes Hobaek

Mob: 99097526
jhobak@mil.no



*Development Officer – The Norwegian Home Guard
Center of Competence & Excellence*

Education

- EMBA Project and programme mngt - SKEMA, Lille
- Bachelor Project mngt - Harstad University College
- Project mngt 30 ECTS - Metier/Oslo University College
- The Norwegian Military Academy
- Officer Candidate School

Certifications

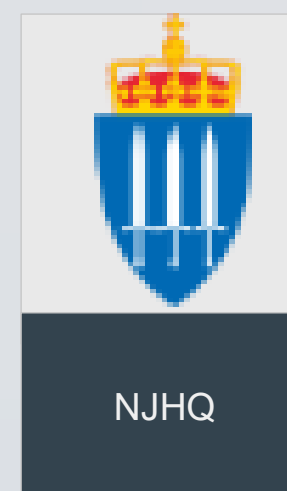
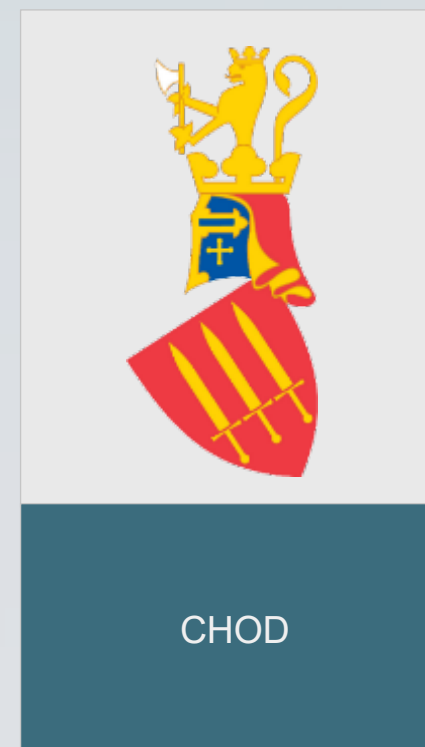
- Project Management Professional (PMP)
- PRINCE2 Foundation
- PRINCE2 Agile
- PRINSIX (Certified PM in the Armed Forces)

Project Experience

- Project App-builder Mlab
- P2595 Modern Hand Weapons
- P8308-2 Live Fire Range Equipment
- P5044 Vehicles for the Norwegian Home Guard
- EP 1475 Conceptual Testing of Portable Mobile Radios
- Multi vehicles for the Norwegian Home Guard
- P8306 Less Lethal Weapons
- P8308-1 Live Fire Range Equipment for the Norwegian national rifle championship
- P8916 Small Boats for the Norwegian Home Guard
- EP1238 Conceptual Testing of Small Boats
- Pre-Requisitioned Vessels Structure
- P8910 Multipurpose Vessels for the Naval Home Guard
- P8309 Land Combat Simulation Systems

- Procurement projects
- Experiment projects
- IT projects
- Other projects
- Mentoring/consulting

Norwegian Armed Forces





NORWEGIAN ARMED FORCES

Homeguard

The Norwegian Home Guard: 40.000 soldiers

- 11 HG-districts (Regiments)
- 12 Rapid Reaction Forces
- 208 HG-areas (Company +)
- The Home Guard School and Competence Centre at Dombås
- Home Guard Staff at Elverum





NORWEGIAN ARMED FORCES

Homeguard

Network



Main tasks

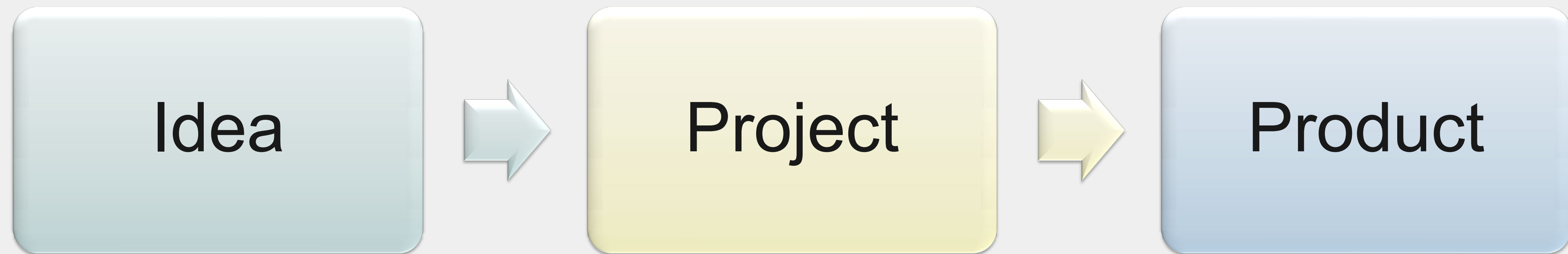
- Territorial responsibility
- Territorial operations
- Secure key military and civilian infrastructure and objects
- CIV-MIL coordination
- Support civilian authorities



The Home Guard soldier



App-builder Mlab





NORWEGIAN ARMED FORCES

Homeguard

Idea

Background

Idea

History

- Concept, Development and Experimentation projects 1168,1245 & 1316
- Cooperation between the Norwegian Defense Research Establishment (FFI) and the Norwegian Defense University College (NDUC)
- A need to easily create and distribute content to mobile platforms, yet with advanced functionality was identified
- FFI developed the idea into Mlab
- The experiment projects was terminated
- No benefit realization

Idea

Developing the project idea

- Dec 2017: Mlab, Demo and Info (60-75% complete)
- Feb 2018: Mlab Pitch for HG executives
- Apr 2018: Project idea developed
- Aug 2018: Project idea presented (Top Management support+resources)
- Sep 2018: Project initiated

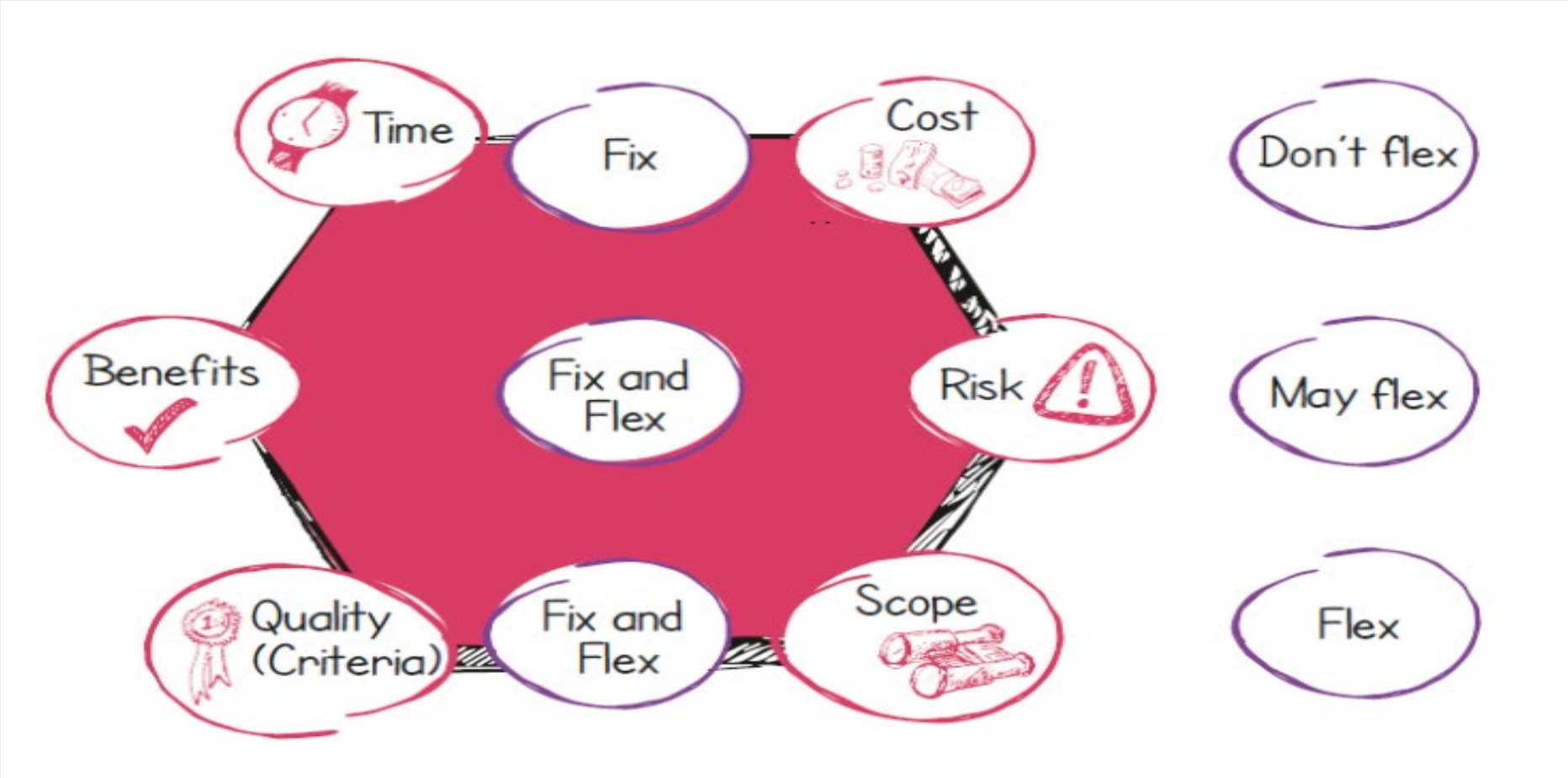
Project

Project Management and execution

- Timeline sept 2018 – feb 2019
- Cooperation between the Norwegian Defense Research Establishment (FFI) and the Norwegian Home Guard
- Home Guard = Funding and PM competence
- FFI = Funding and Technical competence
- Within 6 months project objectives were met
- Ahead of schedule, under budget and more deliverables than expected were delivered
- Two applications ready for use
- So far, much positive feedback
- The Army and others organizations share interest

Project

Project Management - Waterfall & Agile



To do (30)	Doing (3)	Done (0)

Project

Project Team



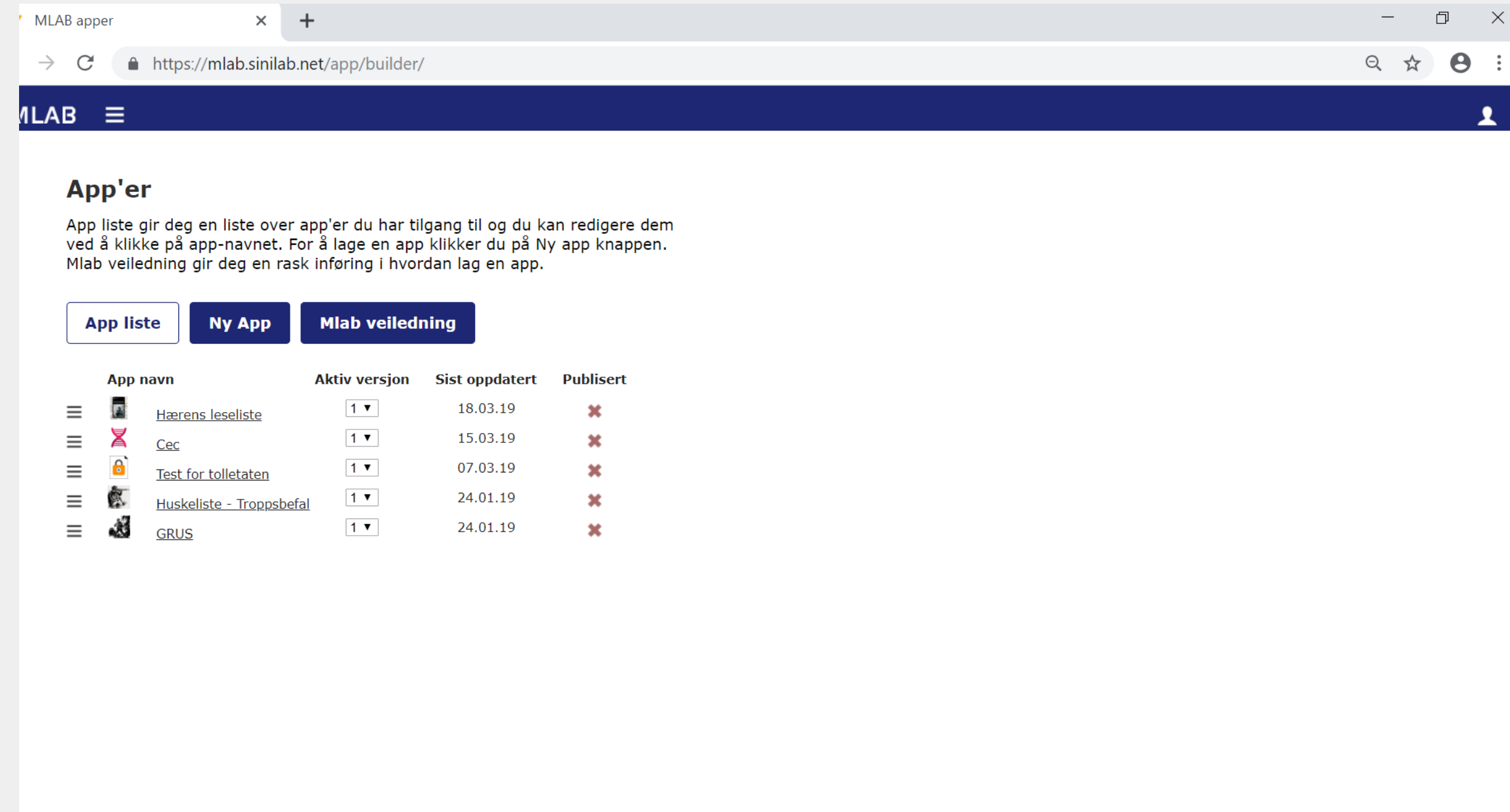
Arild Bergh / Cecilie Jackbo Gran / Konstantin Filipov

Product

- App-builder for non-programmers
- PC with internet and browser
- Easy to create and distribute content
- Apps are professional and advanced
- Consist of componentes/functions
- Framework, can expand and shared
- Ecosystem where app users, app builders and Mlab developers can cooperate
- Apps works without internet

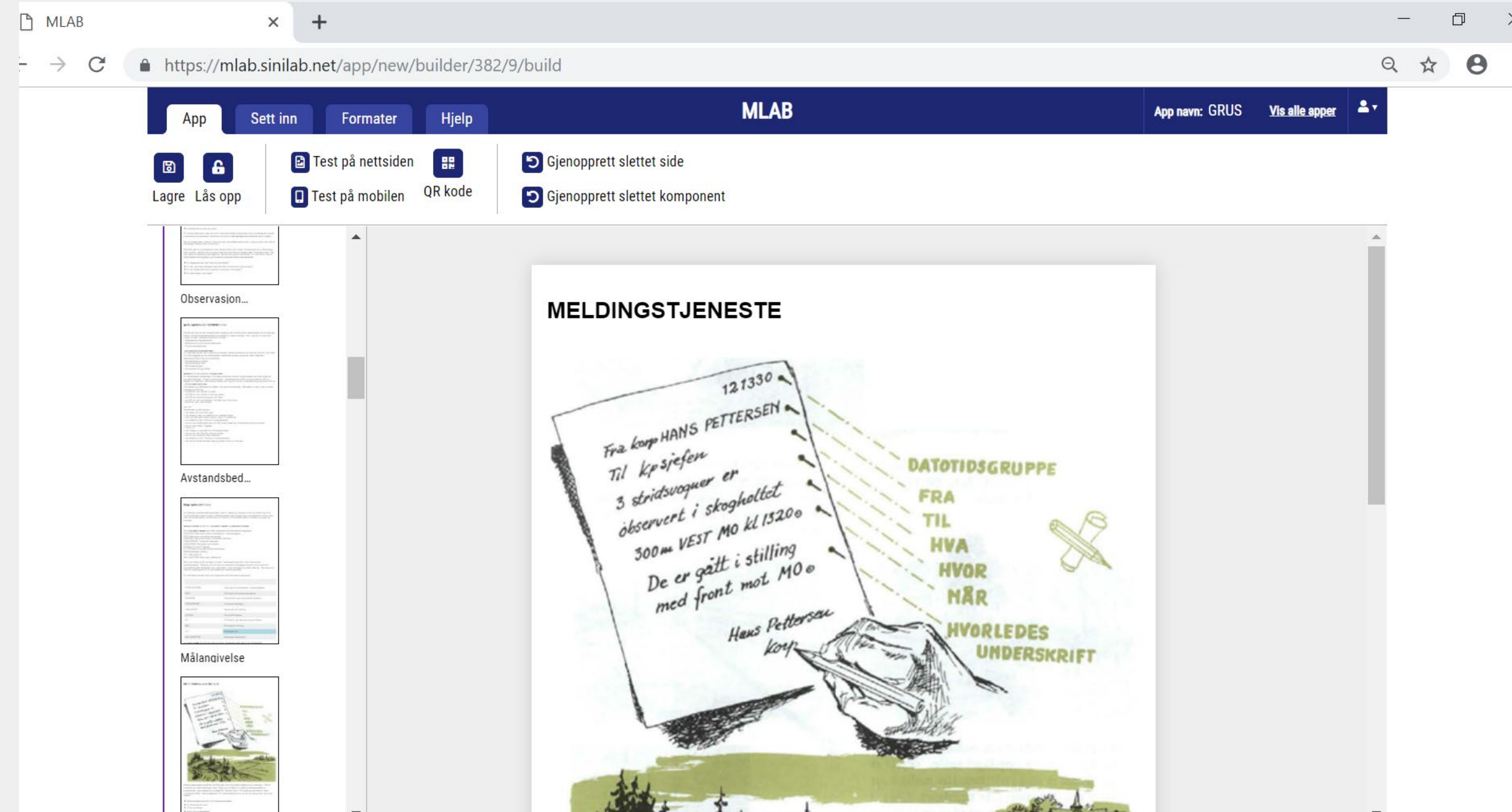
How it works:

- Log on to Mlab (username and password needed)
- New app, name and icon
- Add pages and content
- Demonstrate functions
- Compile the app
- Distribute the QR code
- Download, install and use



The screenshot shows the Mlab app builder dashboard. The browser address bar displays <https://mlab.sinilab.net/app/builder/>. The page title is "App'er". Below the title, there is a brief description: "App liste gir deg en liste over app'er du har tilgang til og du kan redigere dem ved å klikke på app-navnet. For å lage en app klikker du på Ny app knappen. Mlab veiledning gir deg en rask inforing i hvordan lag en app." There are three buttons: "App liste", "Ny App", and "Mlab veiledning". Below these buttons is a table listing existing apps.

App navn	Aktiv versjon	Sist oppdatert	Publisert
Hærens leseliste	1	18.03.19	×
Cec	1	15.03.19	×
Test for tolletaten	1	07.03.19	×
Huskeliste - Troppsbefal	1	24.01.19	×
GRUS	1	24.01.19	×



The screenshot shows the Mlab app builder editor interface. The browser address bar displays <https://mlab.sinilab.net/app/new/builder/382/9/build>. The page title is "MLAB". The interface includes a top navigation bar with "App", "Sett inn", "Formater", and "Hjelp". Below the navigation bar, there are several buttons: "Lagre", "Lås opp", "Test på nettsiden", "Test på mobilen", "QR kode", "Gjenopprett slettet side", and "Gjenopprett slettet komponent". The main content area shows a preview of the app's content, which includes a form titled "MELDINGSTJENESTE". The form contains a handwritten note with the following text: "121330", "Fra korp HANS PETERSEN", "Til korpsefen", "3 stridsvogner er", "observert i skogholdet", "300m VEST MO kl 1520", "De er gått i stilling", "med front mot MO", and "Hans Pettersen korp". To the right of the note, there is a section titled "DATOTIDSGRUPPE" with the text "FRA TIL HVA HVOR NÅR HVORLEDES UNDERSKRIFT".

How we use it:

- Basic battle techniques/Basic soldier skills
- Squad leader and platoon commander's handbook
- Army – Reading list for officers

HUSKELISTE

for lagførere og troppsjef



GRUS

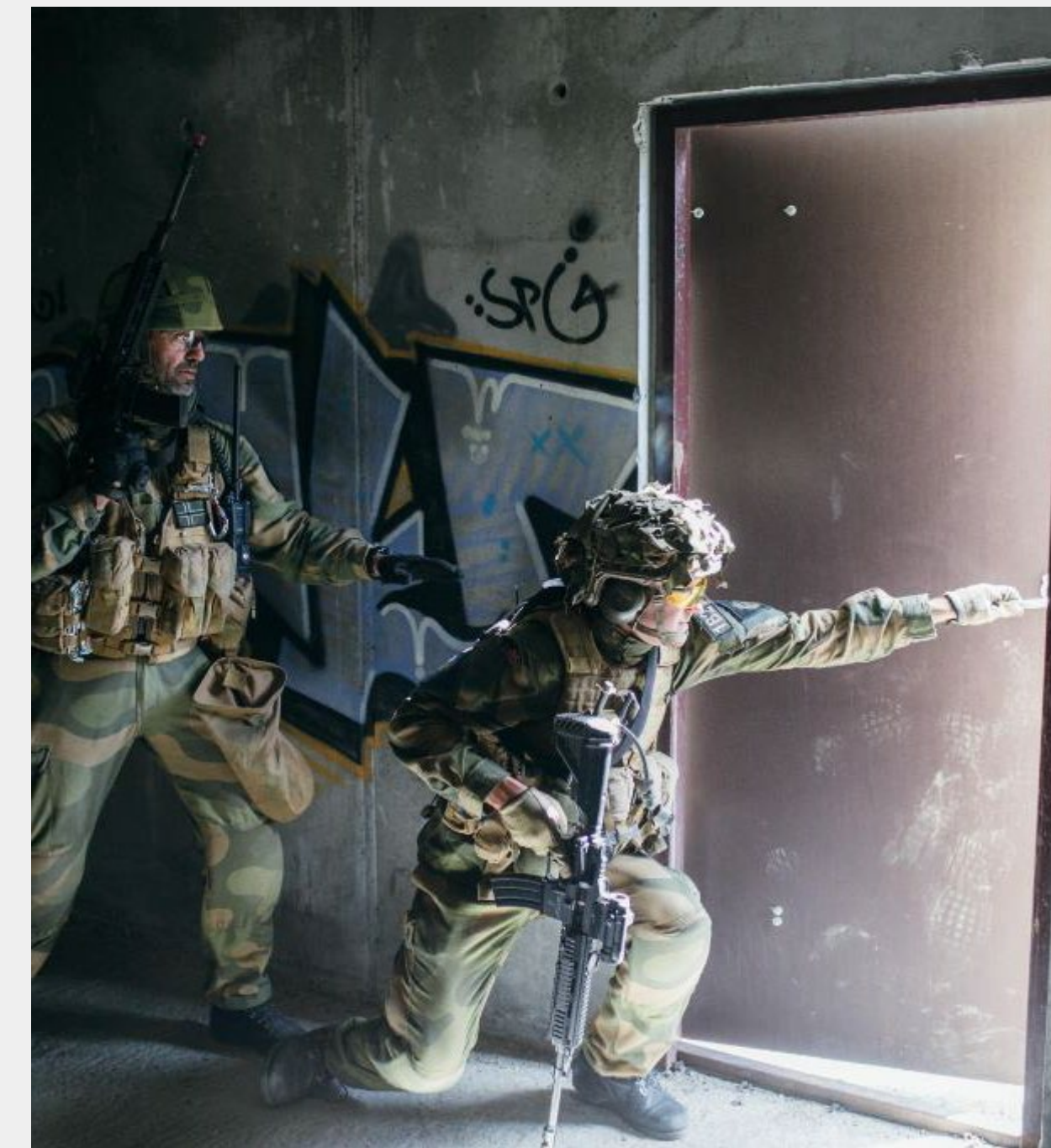
Grunnleggende soldatferdigheter
Heimevernet



- Procedures
- Techniques
- Checklists
- Templates
- Training programs
- Battle drills

Expected benefits:

- Make our own apps – not buy
- No limitations
- Share information and knowledge more efficient
- Work with more precision
- Reduce printing cost and free capacity to other use
- E-learning , demo videos etc.
- Standardize procedures and techniques
- Better collect information
- Improve execution of courses

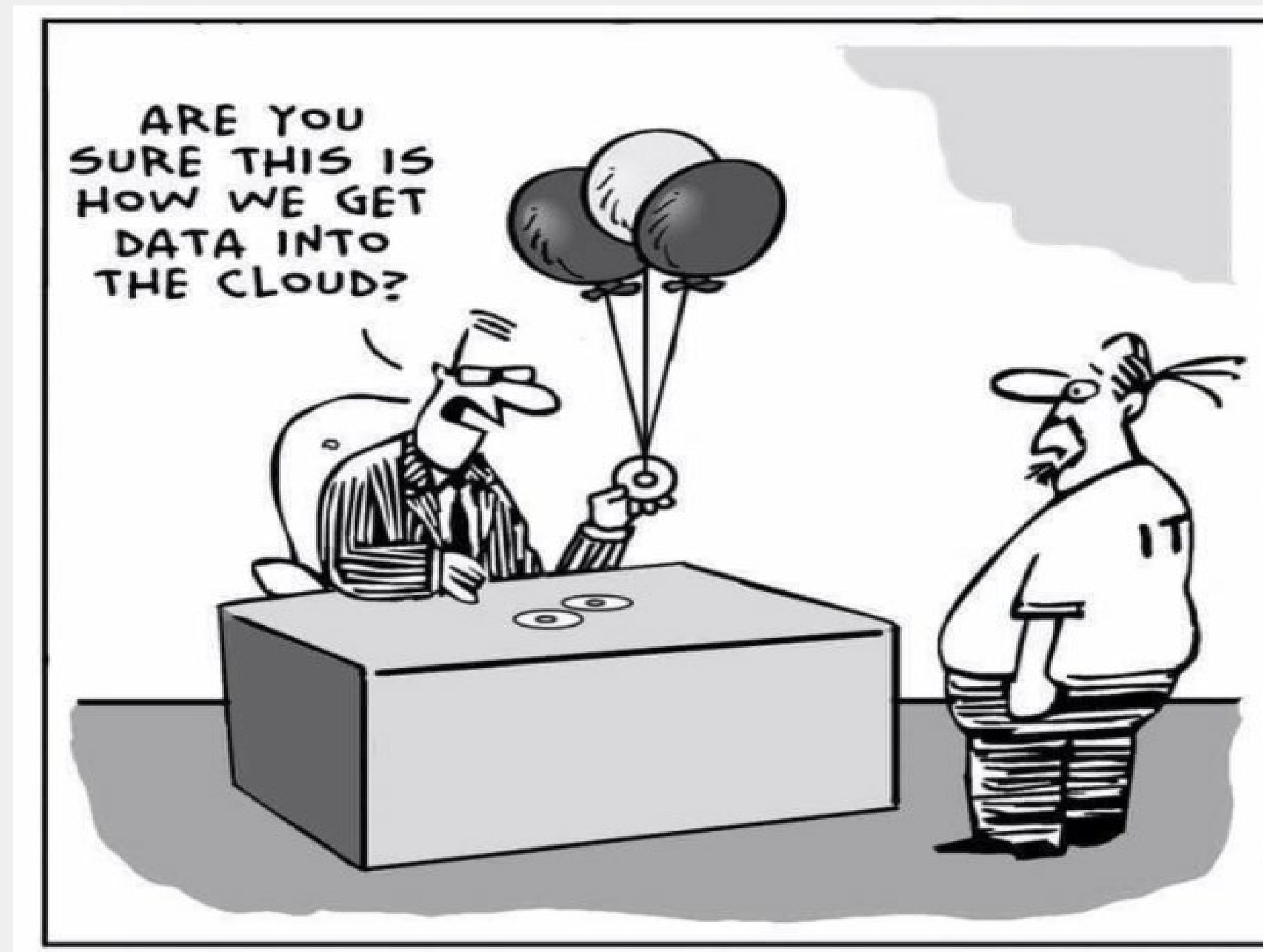


Future

- IOS/I-phone/I-pad
- Operate (Cyber or outsourcing)
- Share with other branches
- Further develop Mlab
- CIV-MIL cooperation (public sector)
- Initiate new experiment projects



Questions?



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