



IBM Global Business Services

# **A Case Study: Finnish Network Enabled Defence, Iterative Development and Innovation using COTS and SOA**

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# ***Finnish Network Enabled Defence (FiNED)***

## ***networks – information - people***

***Linking sensors,  
decision makers and  
weapon systems***

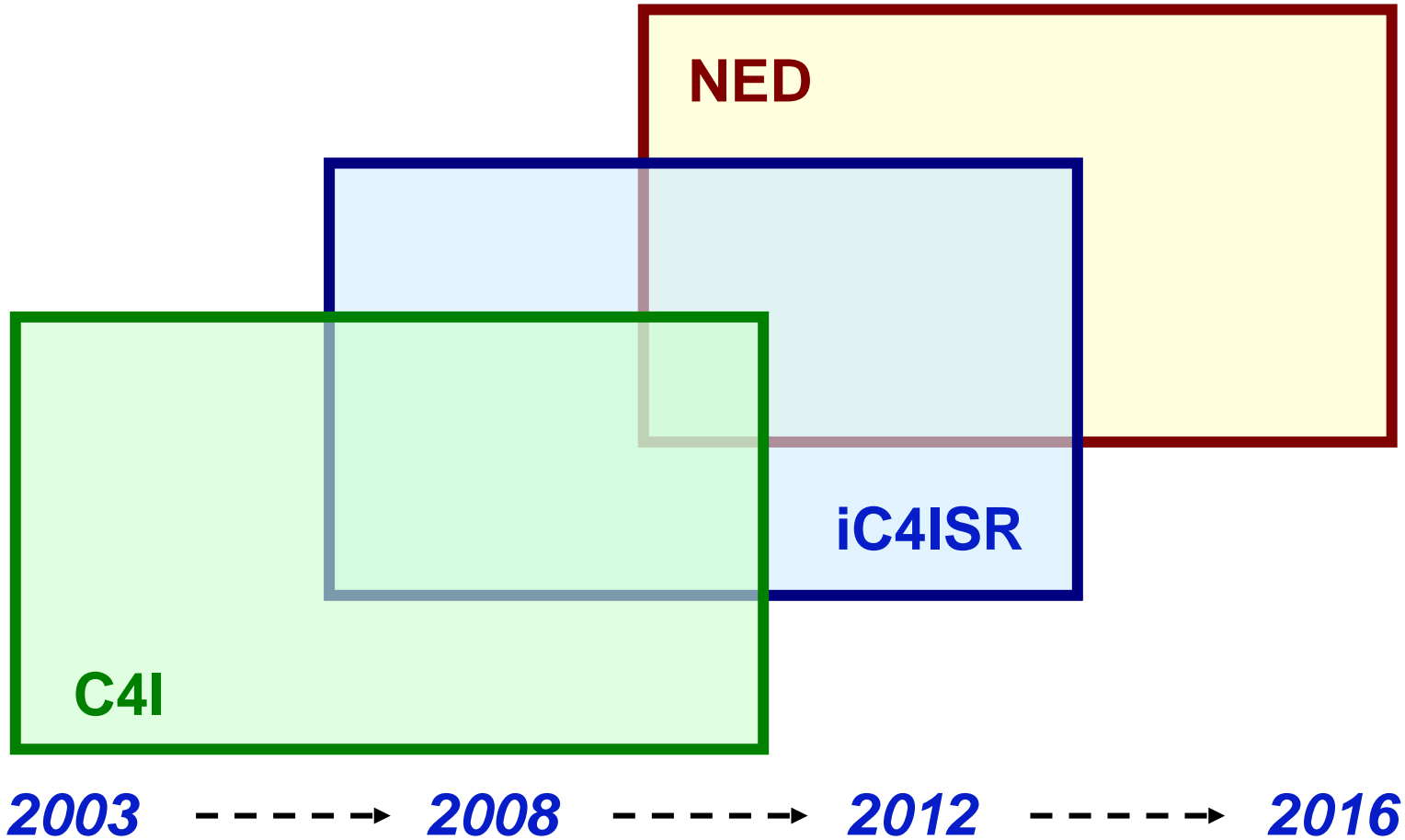


***Enabling multinational  
interagency collaboration***



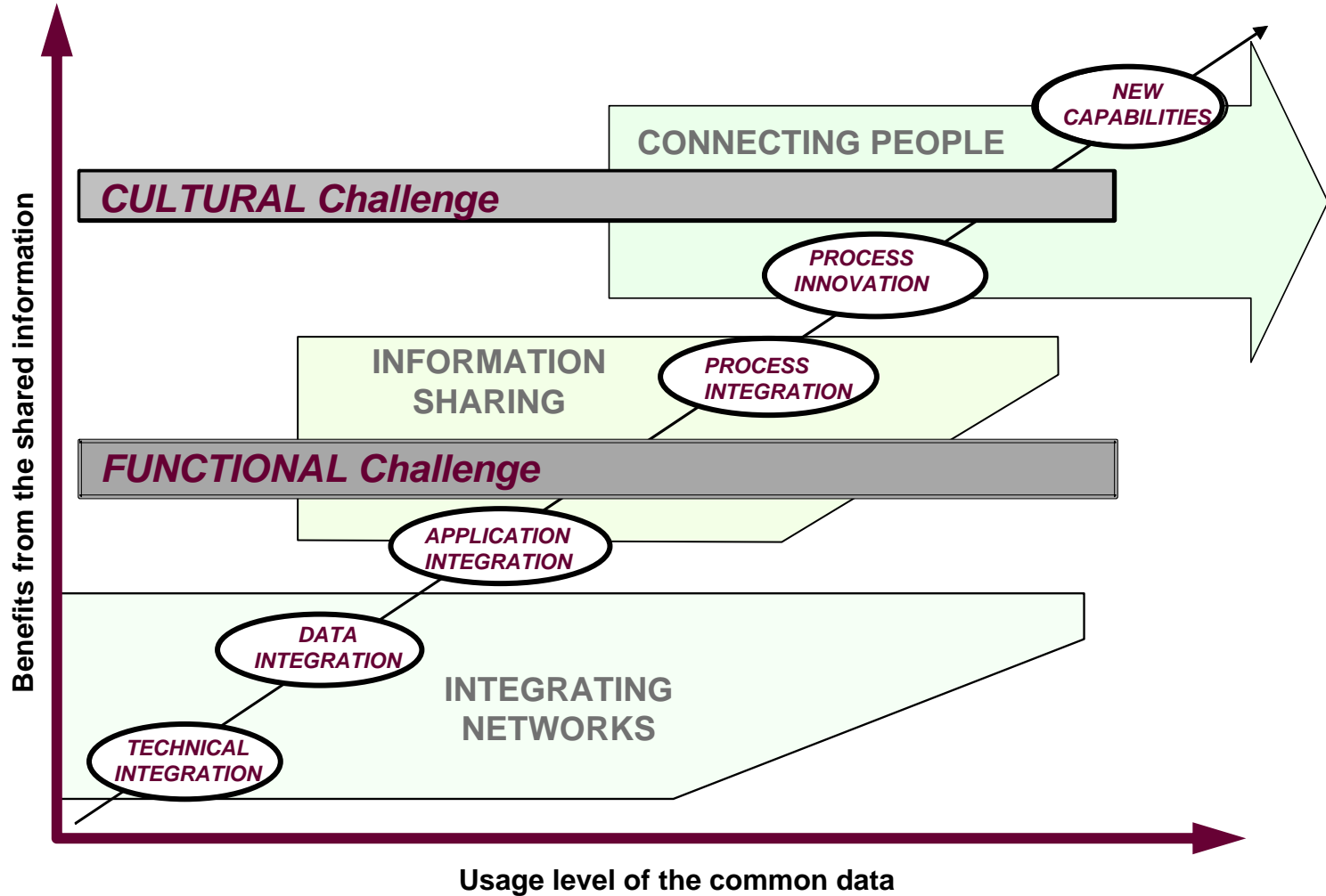
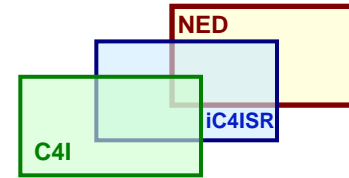
Courtesy of Finnish Defence Forces

# Overlapping main goals: C4I rationalisation -> iC4ISR -> NED



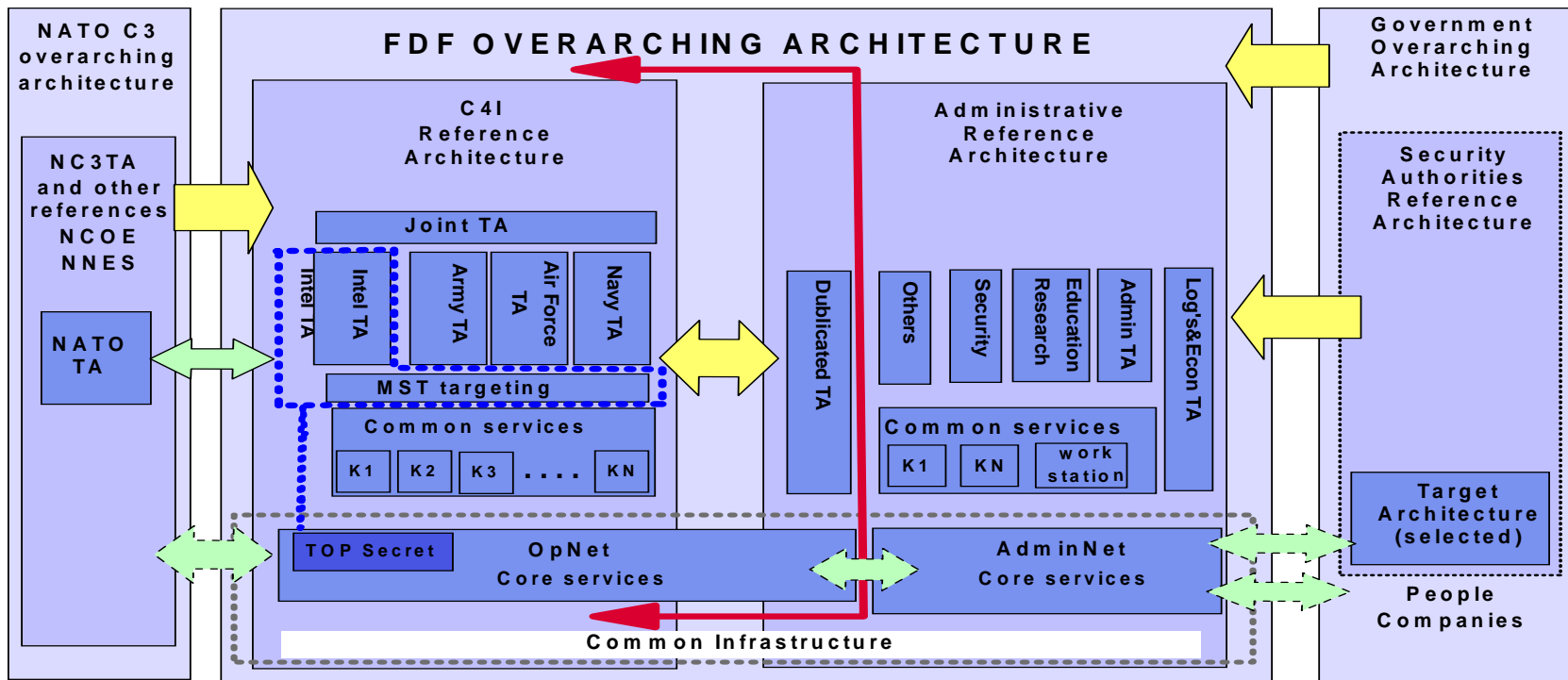
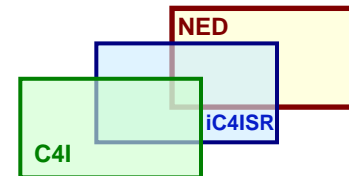
Courtesy of Finnish Defence Forces

# FiNED development plan



Courtesy of Finnish Defence Forces

# FDf Key Integration Points



## International operations

- NAF, NC3TA
- MIP, JC3IEDM
- CE, CWID, MNE

## National defence

- Fixed, deployable, mobile
- SOA services
- COTS technologies

## Interagency cooperation

- common services
- information sharing
- sourcing

Courtesy of Finnish Defence Forces

## The Power of Innovation: NCO Center of Excellence - Helsinki

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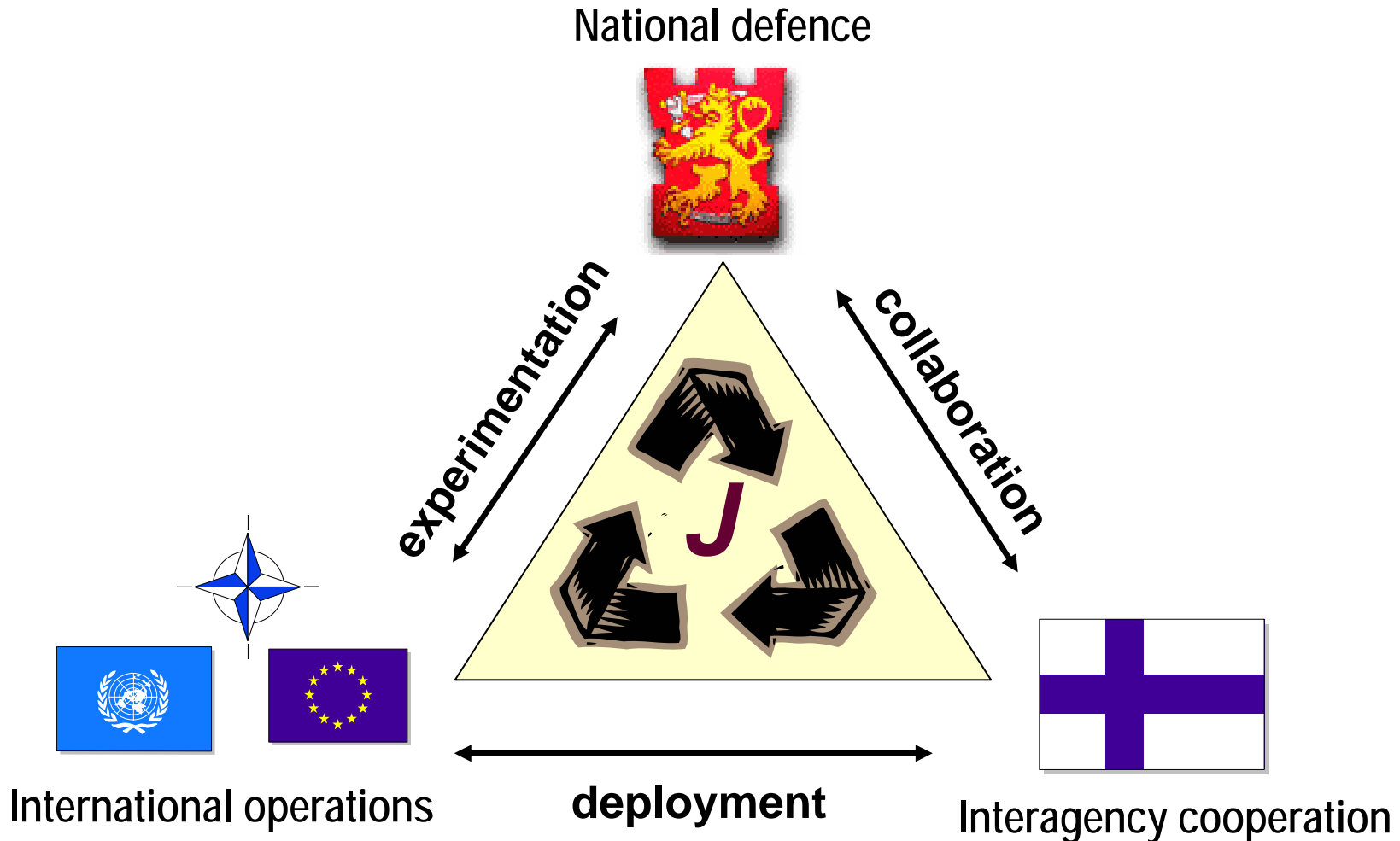
- Who: The Finnish Defense Forces and IBM
- When: Established January 2006
- What: A parallel, forward-looking innovation process outside of the core project.
- Focus: NCO solutions built on service oriented architecture.
  - Utilizing commercial off-the-shelf (COTS) products
  - Based on open standards
- Objective: Develop solutions to support FDF NCO capability development.
  - Leveraging the latest technology innovations
- Objective: Potential to productize NCO solutions created by FDF and IBM for application and usage in other defence organizations
  - Creating innovation exchange with other defence forces



Puolustusvoimat

Försvarsmakten | The Finnish Defence Forces

# FiNED - Combining Theory – Experimentation – Implementation



Courtesy of Finnish Defence Forces



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**Thank you**

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