



French OA Simulation Models

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French OA community

Army :

- BARO : (5 OFF, MD in applied maths + 2 civilians) attached to Army Staff in 2016
- Elements in NATO (ATC etc)

Navy

- ROSIM : 2 OFF, MD in applied maths + 3 civilians
- Mainly simulations of weapon systems

Air Force

- None left

Procurement

- CATOD : c. 30 civilians & officers
- Joint capability analysis, support to procurement

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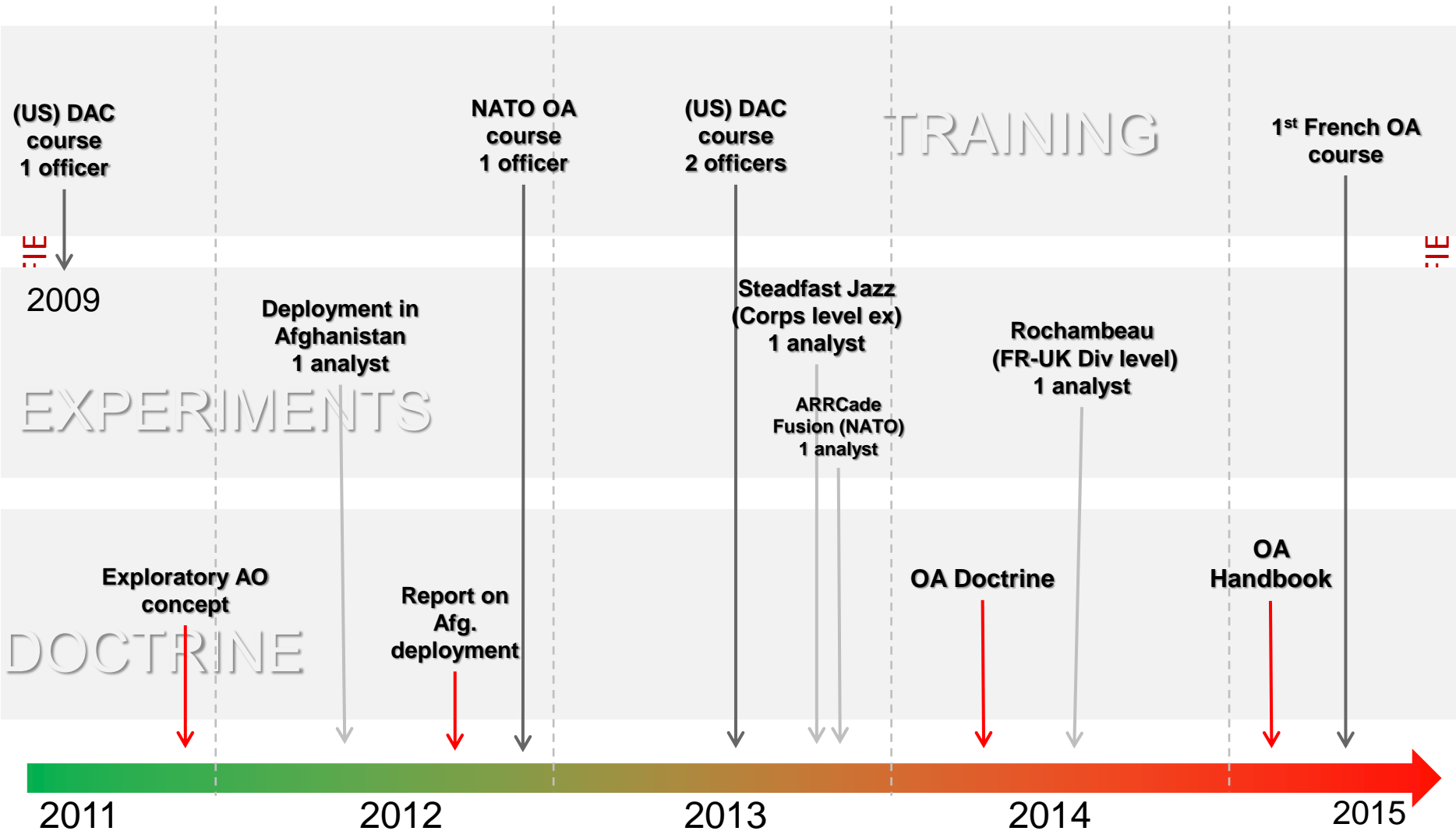
OA in the French Army

- An OR capability has existed with the French Army since the beginning of the 1960's and included simulation.
- Over the years, more dedicated to address organizational issues than to operational ones
- As soon as 1996, due to stabilization operation context in Bosnia and cooperation with American forces, the idea of OA was introduced in the French Army.
- Eventually, OA was not considered as relevant (1998).
- A similar operational context in 2009 led to the same idea, emphasized by the increasing C2 of forces and headquarters
- Simulation systems left ORA area of concern.

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FR OA Capability Milestones



Support the decision in the French Army

- Specificity of the French Chain of Command and Decision process
- Specificity of the French commitment in operation
- Need of a better ressources management
 - Re-organization
 - Human ressources
 - Budgetary issues
 - Forces layout
 - Maintenance
 - Infrastructures

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SIMULATION ASPECTS

- Existing MoU for M&S exchange led by DGA
- High involvement of IT industrial partners (THALES, SAGEM, MBDA, DCNS,...)
- Many think tanks and Research Agencies (CNRS, CEA)
- Few semi-automated systems for campaign planning and assessment
- Most simulation systems are dedicated to training from the ground to headquarters
- Doctrine is far from simulations tools but projects are in progress to reach a better consistency
- But most efforts in organizational areas: HR, budget, capacity building. -> Benchmarking.

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SMART cooperation?

- Benchmarking and shared experience
 - AORS
 - NATO Fora
 - Civilian community
- Better description offers many advantages
 - Standardization and easier sharing
 - Possible re-use for other subjects
 - Possible improvement in the future
- But more work for a reduced manpower and an hypothetical benefit
- Do we need to develop M&S tools in a volatile world?
 - Of course but...

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