



Concept Development and Experimentation for EU Conflict Prevention and Peace-building

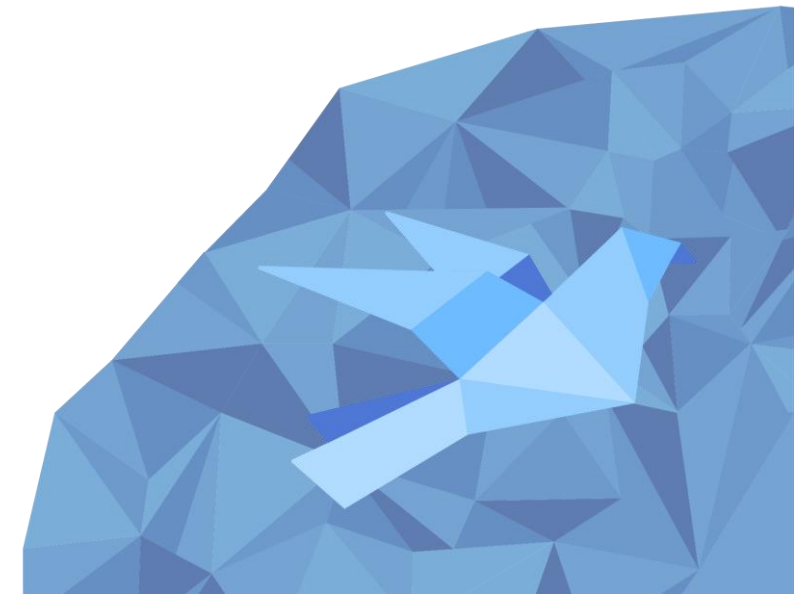
Dr. Nikolay Pavlov

Marie Curie Fellow and CDE4Peace project coordinator
SYNYO GmbH, Vienna, Austria

1 June 2022, Research and Innovation Symposium for European Security and Defence, International Fair Plovdiv, Bulgaria



This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 882055





Information on EU Funding

This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 882055 (CDE4Peace).

Disclaimer

This project presentation and all project results reflect only the author's view. The funding agency is not responsible for any use that may be made of the information it contains.

- 1) CDE4Peace project objectives
- 2) Research methodology
- 3) Project phases and timeline
- 4) The CD&E process in NATO
- 5) Potential application of CD&E in the EU's CSDP
- 6) CD&E in EU defence planning and capability development
- 7) CD&E in EU CSDP missions and operations
- 8) CD&E in EU strategic concept development
- 9) CD&E platform for simulation in EU peace-building
- 10) Key policy recommendations



EXPLORE the potential of CD&E for EU conflict prevention and peacebuilding;



REVIEW selected EU strategic and operational concepts;



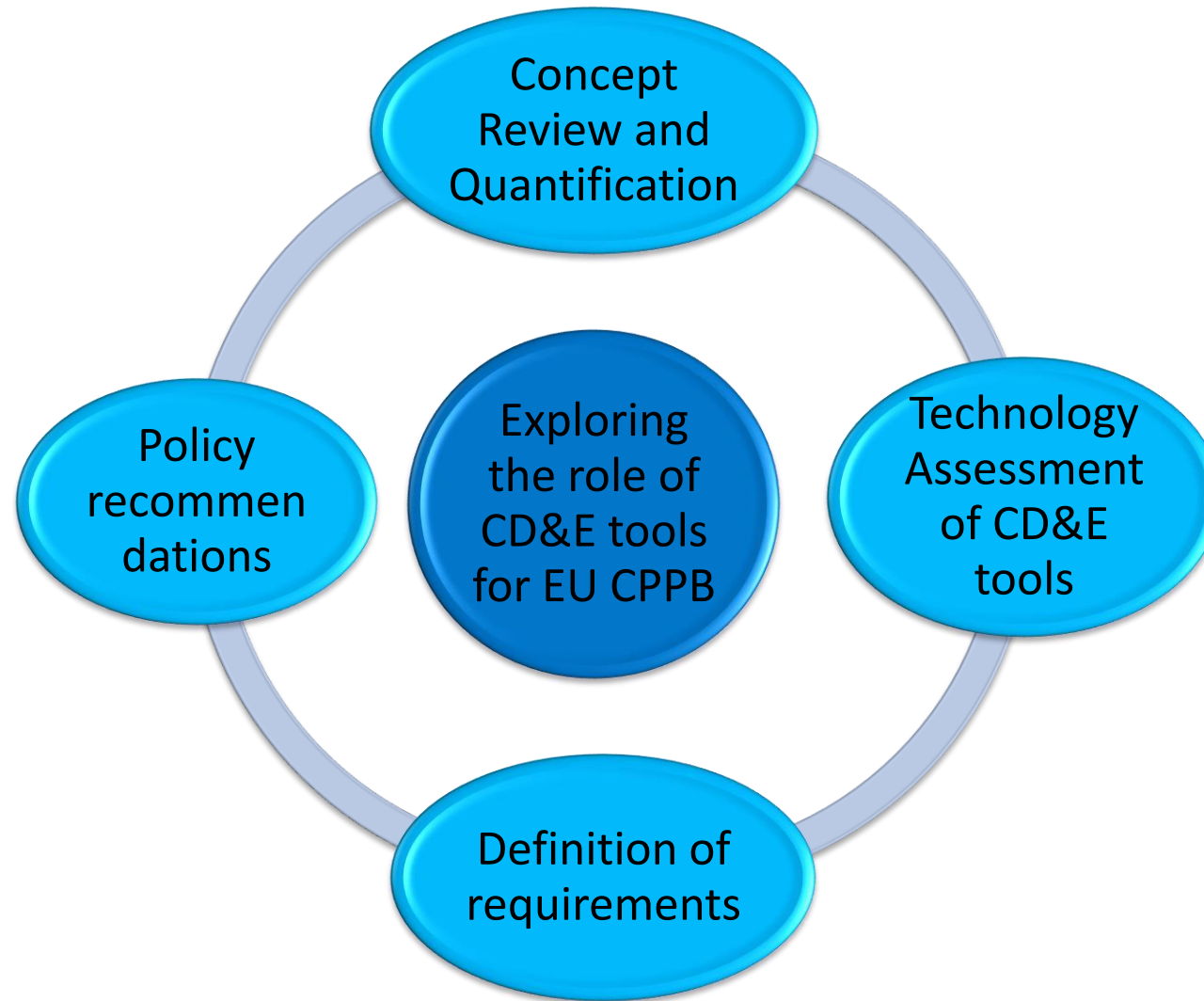
ASSESS the applicability and compatibility of CD&E with EU strategic and operational concepts;



INNOVATE – to define the requirements for an innovative CD&E tool tailored for the EU;



RECOMMEND – to define policy recommendations for implementing CD&E in the EU



CDE4Peace project timeline

Phase 1 - REVIEW						Phase 2 - ASSESS						Phase 3 - INNOVATE						Phase 4 - RECOMMEND					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24



Phase 1: REVIEW (M1 – M6)

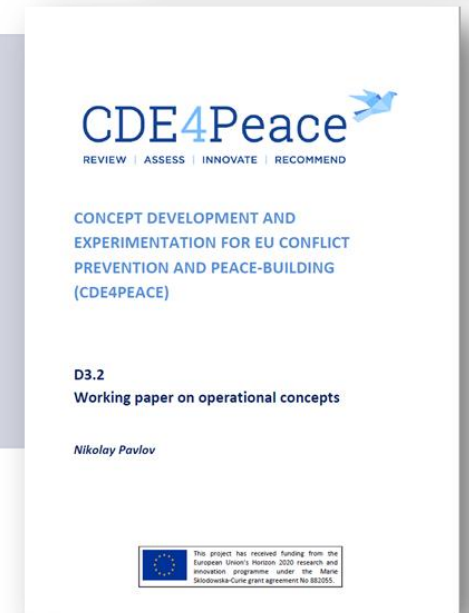
Desk review of strategic concepts

- Resilience and the integrated approach
- Conflict sensitivity
- ‘Whole-of society’ concept
- Strategic autonomy



Desk review of operational concepts

- EULEX Kosovo
- EUTM Mali
- EUBAM Libya





Executive, rule of law
civilian mission;
2008 – ongoing
Personnel ~ 2500 max.



Training military non-
executive mission;
2013 – 2020
Personnel ~ 570



Training civilian non-
executive mission;
2013 – ongoing
Personnel ~ 38

Technology assessment

- to identify available and emerging CD&E tools
- to evaluate their potential, applicability and compatibility with strategic and operational concepts

Technology Watch

- Focus on commercial-off-the-shelf CD&E tools
- a draft list of CD&E technology providers in the EU

Data collection

- Desktop data collection
- Fieldwork - 25 qualitative interviews and participation at industrial exhibitions

EU research and innovation products funded under the Horizon2020 programme

- The ‘Gaming for peace’ (GAP) online game.
- PeaceTraining.eu platform



Commercial-off-the-shelf (COTS) products on the European market which could be used for CD&E purposes

- 11 tools identified in the ‘technology watch’ process.
- The tools are not tailor-made for EU peace-building

CONCEPT DEVELOPMENT AND
EXPERIMENTATION FOR EU CONFLICT
PREVENTION AND PEACE-BUILDING
(CDE4PEACE)

D4.1
Catalogue of available and emerging CD&E tools
in the European Union

Nikolay Pavlov

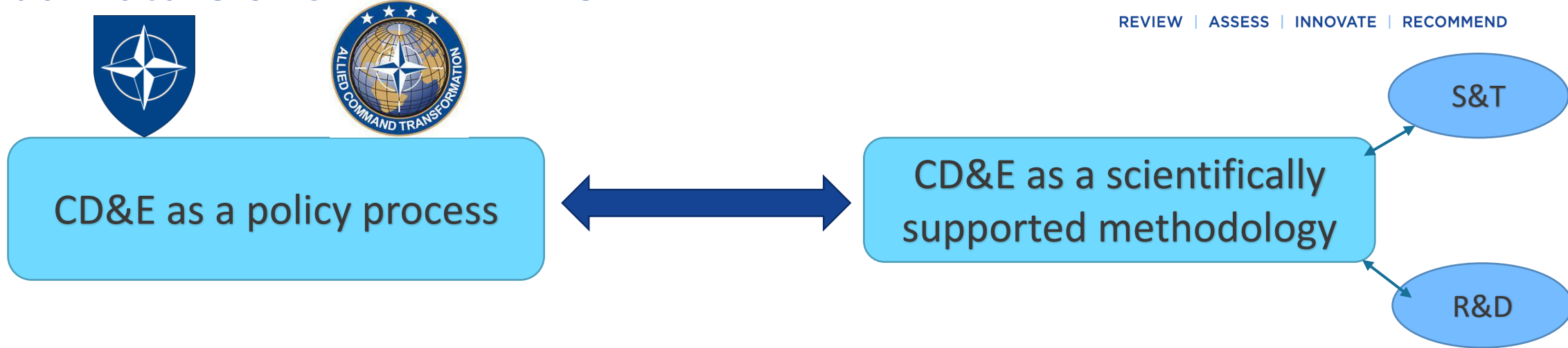
Phase
3

Defining the requirements for an innovative CD&E tool which is tailored for the specific area of EU conflict prevention and peace-building

Phase
4

Actionable policy recommendations for integrating the CD&E methodology in the EU policy decision-making cycle

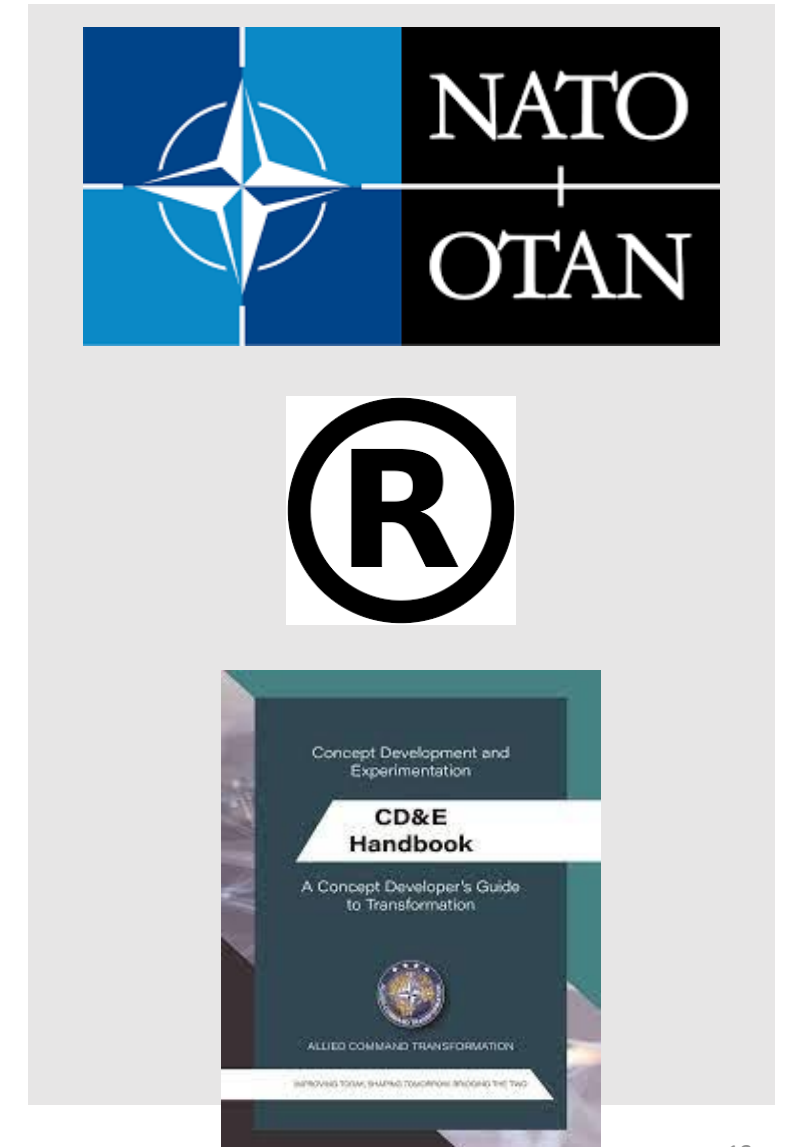
Analysis of the CD&E process in NATO: the dual nature of CD&E in NATO



“CD&E is a combination of methods and tools that drives NATO’s transformation by enabling the structured development of creative and innovative ideas into viable solutions.” (NATO CD&E Handbook, 2021)

The CD&E process and methodology in NATO

- ✓ The CD&E policy process is part of NATO's defence planning and capability development process
- ✓ The CD&E methodology is a broad project management framework, an umbrella term for multiple research methodologies and methods:
 - Exercises (exercise-based experiments);
 - Modelling and simulation (M&S) and wargaming;
 - Alternative analysis;
 - Operational analysis;
 - Concept testing, etc.



- 1) EU defence planning and capability development
- 2) EU CSDP missions and operations
- 3) Strategic concept development
- 4) Introducing experimentation tools in CSDP research

The role of CD&E in EU defence planning and capability development

- ✓ The EU presently lacks the highly sophisticated and formalised NATO defence planning process (NDPP).
- ✓ Coordinated Annual Review on Defence (CARD), the Capability Development Plan (CPD) and the Headline Goal Process – HLGP.
- ✓ The application of the CD&E process in the still not fully developed EU defence planning process seems to be of little value and premature.

More promising is applying the CD&E methodology in concrete EU capability development projects under the PESCO framework.



EU mission and operational concepts features:

- Mission / operational concepts are framed by a number of policy and operational documents (CMC, CONOPS, OPLAN).
- The mandates are pivotal in mission / operational concepts.

Applicable CD&E methods:

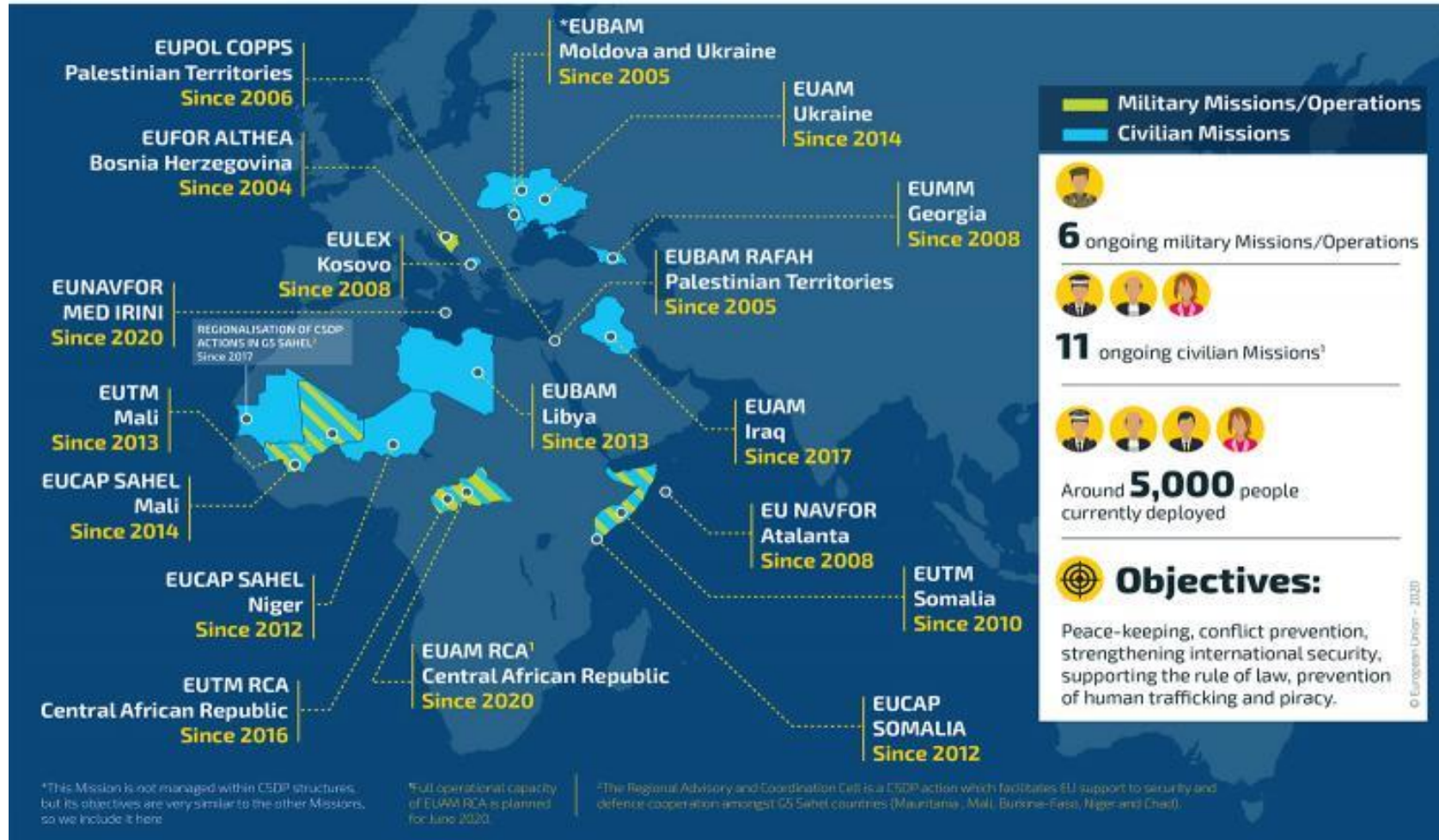
- Exercises (exercise-based experiments);
- Modelling and simulation (M&S) and wargaming;
- Alternative analysis;
- Operational analysis.

EU peace-building missions and operations

Credit: European External Action Service



EUROPEAN UNION CSDP MISSIONS AND OPERATIONS 2020



- Strategic CSDP concepts contain political assessments, objectives and guidance. These are typically outlined in strategic policy documents, such as the EU Global Strategy (2016).
- Strategic concepts constitute specific intellectual and social constructs which are designed to feed the CSDP policy process.

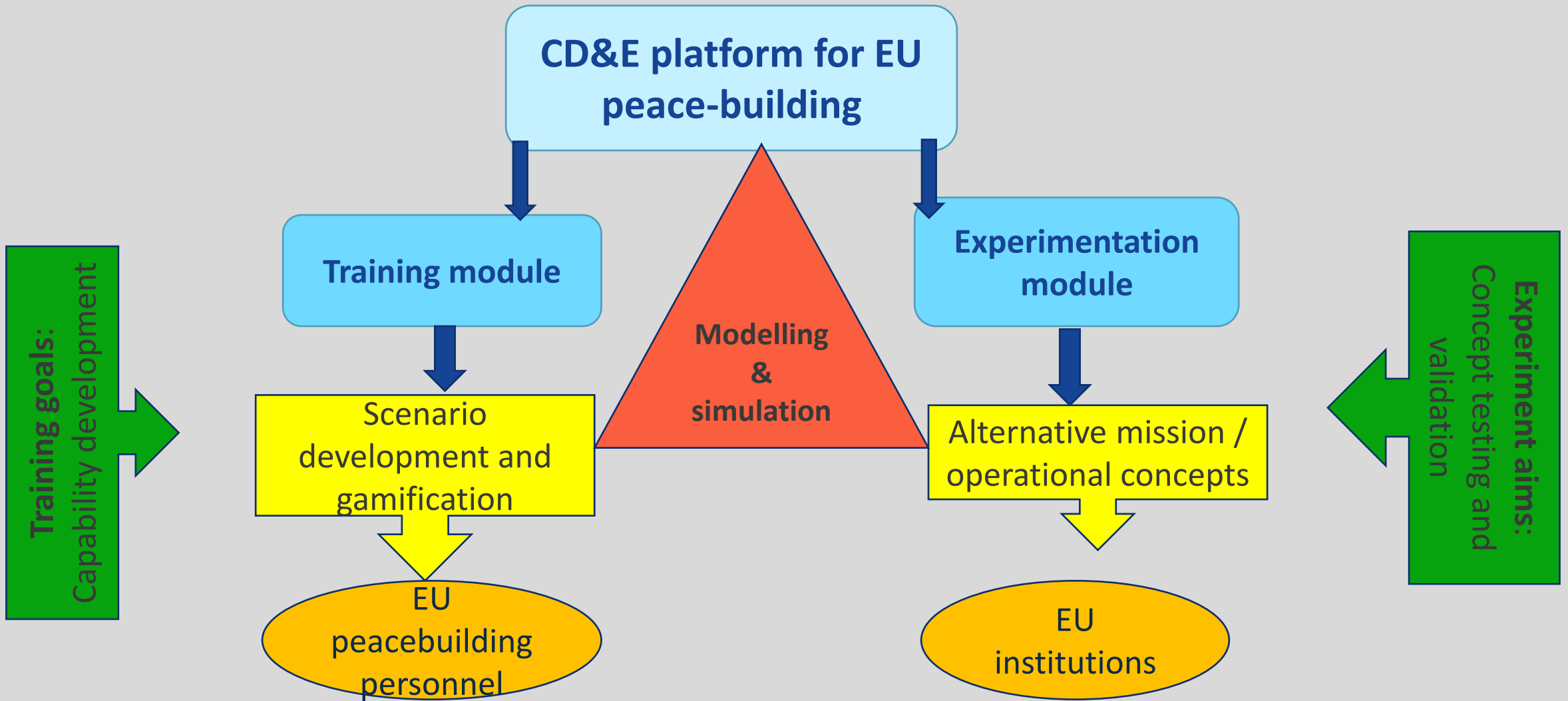
CD&E methods relevant for EU strategic concept development:

- Strategic-level exercises (live or simulation)
- Concept testing for strengthening EU strategic concepts

- ❑ The complexities of policy implementation warrant the introduction of experimental methods and tools in CSDP research.
- ❑ CD&E should be introduced into the EU's CSDP with realistic expectations. The benefits of applying CD&E to the EU's CSDP are more political than scientific. CD&E could support the EU policy process but cannot provide “scientifically proven” solutions as this goes beyond its powers.

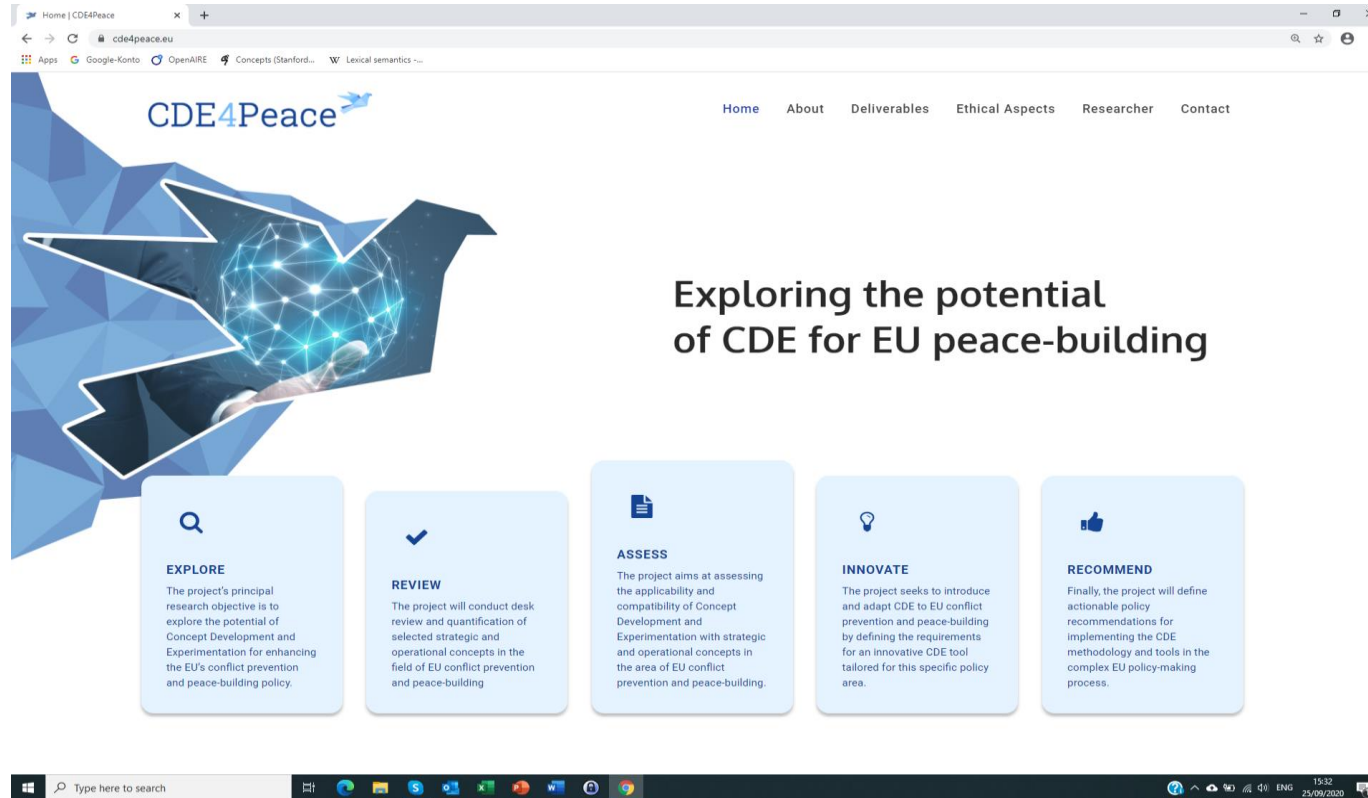


- ❑ Principal objectives of the CD&E platform : 1) to improve human performance through training; 2) to improve mission and operational planning and execution through experimentation.
- ❑ The main innovation: the CD&E platform goes beyond training in the area of experimentation of EU peace-building concepts.
- ❑ In the EU context peace-building training and experimentation are closely connected and hardly separable in institutional and organisational terms.
- ❑ The target audience: EU peace-building personnel from missions and operations on the ground as well as EU officers in Brussels-based EU institutions.
- ❑ The CD&E platform is comprised of two modules, a training module and an experimentation module built around M&S methods, techniques and tools.



Key policy recommendations

- ❑ The European Union must develop its own capabilities for Concept development and experimentation, aimed at achieving the EU's strategic autonomy;
- ❑ The EU's integrated civil-military CD&E should be institutionalised within the European Commission;
- ❑ The EU should integrate CD&E methods such as exercise-based experiments and concept testing into the EU's strategic concept development process;
- ❑ CD&E methods such as exercises, modelling & simulation (M&S), wargaming and alternative analysis should be used for testing and validating EU mission and operational concepts;
- ❑ The EU should operationalise CD&E as a policy tool in EU conflict prevention and peacebuilding with the help of an innovative CD&E platform.



Visit the project's web-site: <https://www.cde4peace.eu/>

E-mail: nikolay.pavlov@synyo.com

Follow the project on Twitter

 [@cde4peace](https://twitter.com/cde4peace)

