



NATO's Defence Innovation Accelerator for the North Atlantic (DIANA)

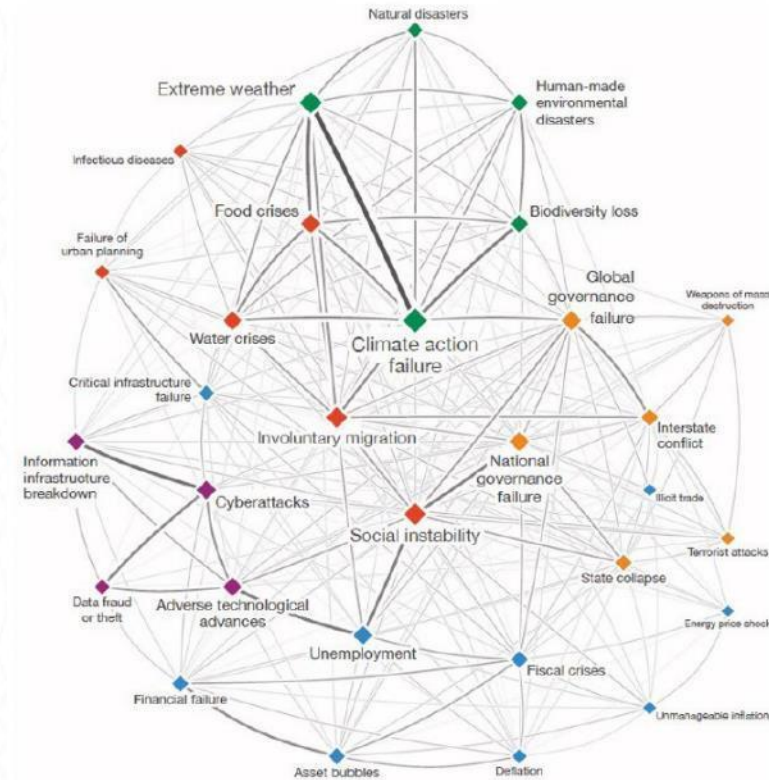
Event: NATO DIANA Information Webinar

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August 2023

Holistic Defence: The Problem Space

- Insecurity is driven by complex, inter-related global challenges, e.g. environmental changes, scarcity of resources, economic instability, hostile threats from state and non-state actors
- Understanding and tackling these challenges requires world-leading science and technology



Defence & Security and Innovators: The Gap

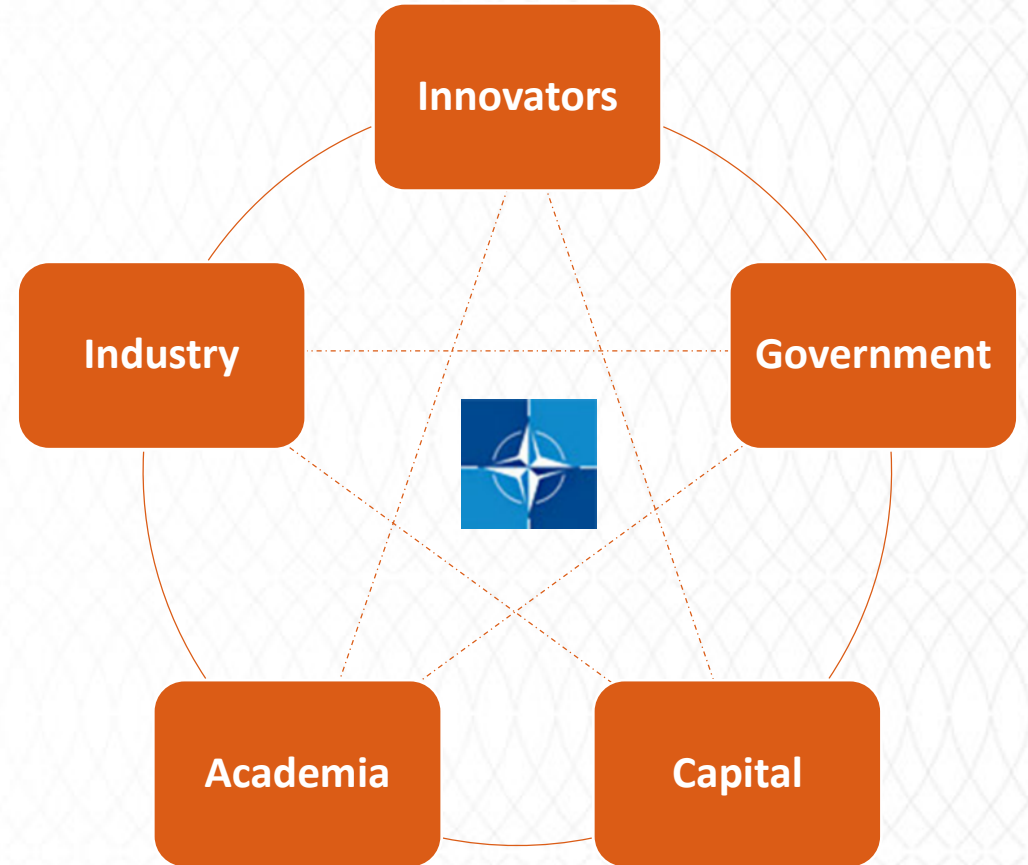
- Defence is viewed as inaccessible and complex
- Innovators are unsure of where to start and who can help
- Government rules and regulations are viewed as cumbersome
- Difficulties in accessing end-user customers to better understand their problems and receive feedback

Result: innovators ignore or are frustrated by the defence and security market, losing interest as commercial revenue streams take off

Role for NATO

To address the complex inter-related challenges, there's a need for a resilient **Allied innovation ecosystem** that:

- Develops and adopts new technologies at the pace of relevance
- Fosters stronger innovation partnerships between government, industry and academia (triple-helix)
- Grows the network of innovation centres Alliance-wide
- Reduces the barriers to financing to create a sustainable innovation base



Adapted from Dr Phil Budden & Prof Fiona Murray:
MIT's Stakeholder Framework for Building & Accelerating
Innovation Ecosystems

“ Uniting disruptors to shape a peaceful future ”

“

DIANA is instructed to accelerate civil-military emerging and disruptive technological solutions – particularly dual-use ones – to critical transatlantic defense and security challenges, leveraging existing elements from NATO nations and NATO bodies and guided by relevant NATO Strategies and Frameworks.

— NATO DIANA Mission Statement

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NATO Innovation Fund

The NIF complements DIANA



NATO Secretary General Jens Stoltenberg at the Signing Ceremony of the NATO Innovation Fund Letter of Commitment (30 June 2022)

- Will invest EUR 1 billion in early-stage start-ups developing emerging and disruptive technologies
- 15-year timeframe
- Provides option for further investment in companies that have been through the DIANA accelerator programme

Emerging and Disruptive Technologies

- 9 technology priorities
- DIANA focuses on TRLs 4-7
- The technologies are 'dual-use' in nature – can address societal challenges as well as defence needs



Core Features of DIANA

Technical Challenges

- Competitive calls for proposals addressing critical Alliance needs

Accelerator Programme

- Award of non-dilutive grant; strengthen business viability of companies; product-market fit in defence and security

Innovation Network

- Access to state of the art testing facilities at DIANA's Alliance-wide network of affiliated accelerator sites and test centres; access to operational end-users

Rapid Adoption Service

- Pathways for follow-on contracts and capability development

Allied Capital Community





- Access to trusted investors and sources of capital

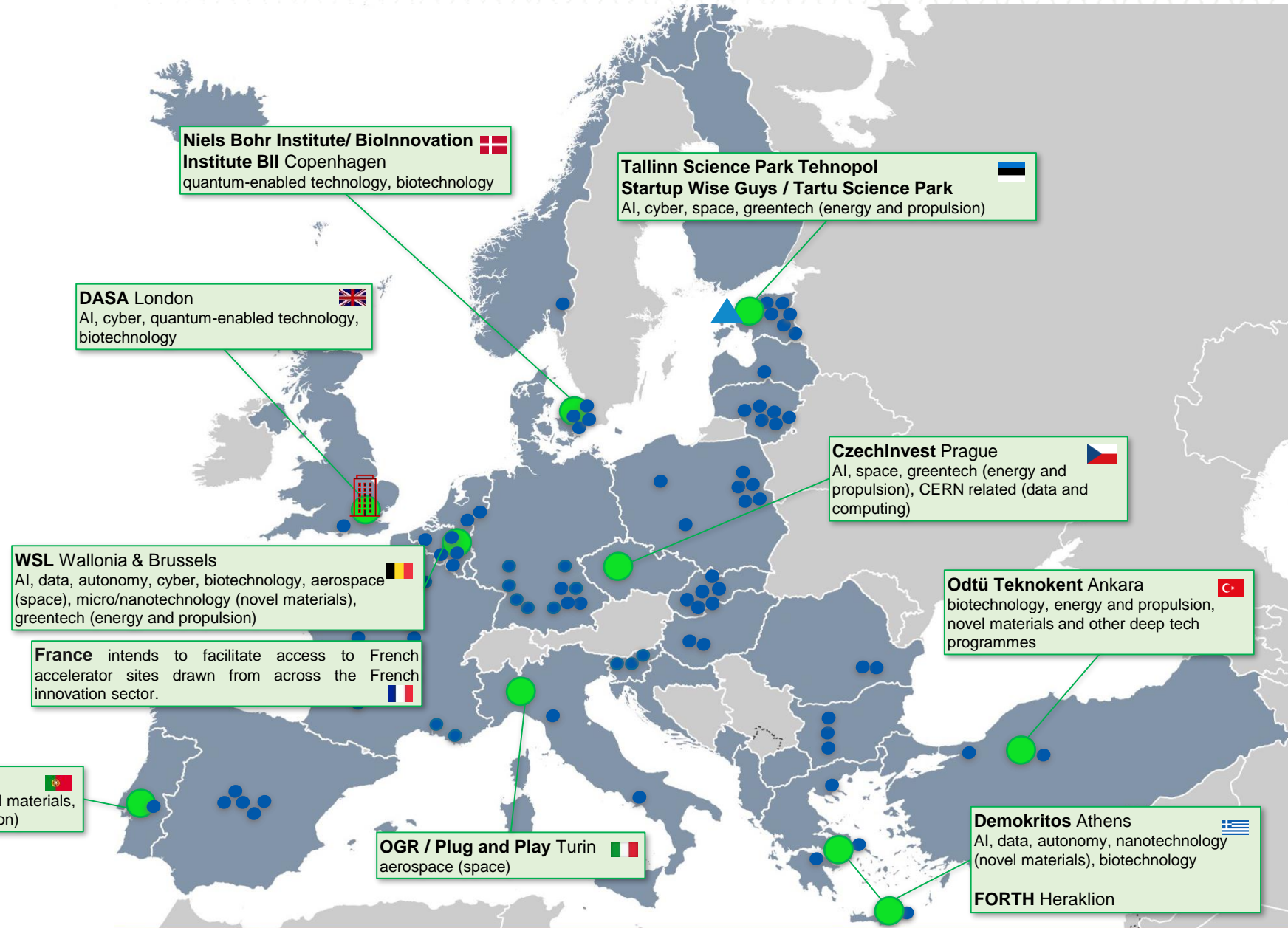
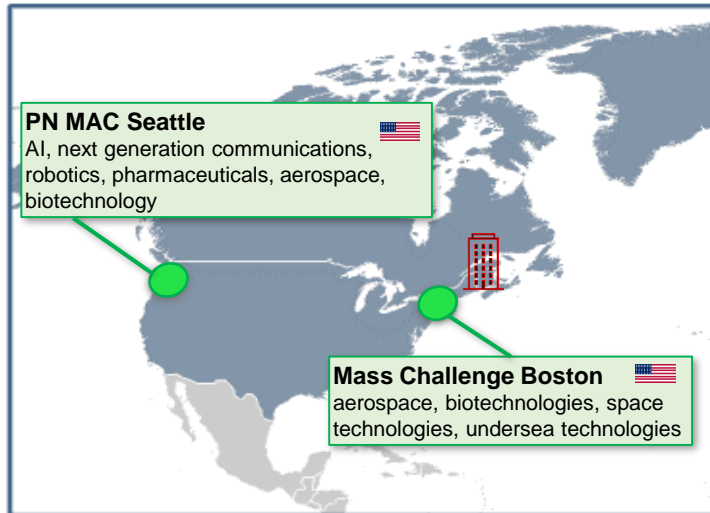
Challenge and Accelerator Programmes



DIANA Network: Accelerator sites (June 2023)





Key

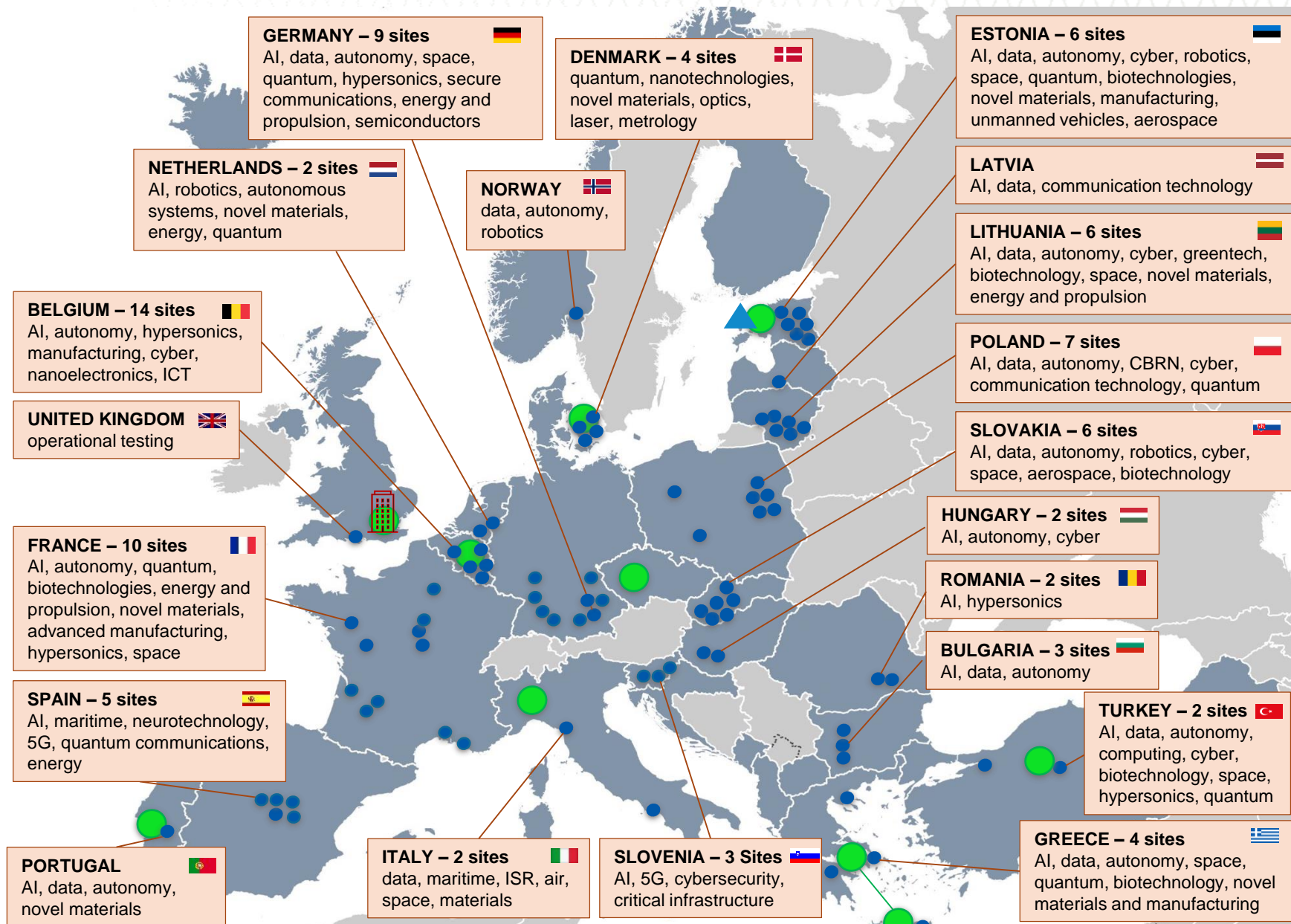
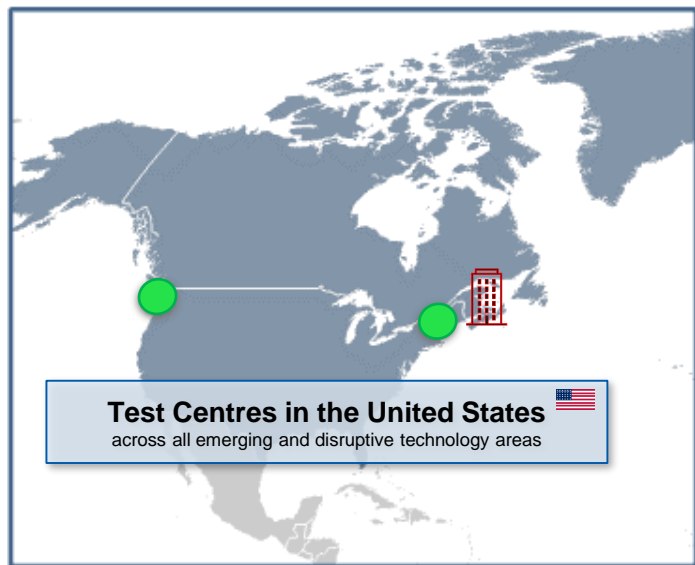
-  Regional Offices
-  Regional Hub
-  Test Centres
-  Accelerators



DIANA Network: Test Centres (June 2023)

Key

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-  Regional Hub
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2023 Challenge Topics



Sensing & Surveillance:

Sensing the Coastal
Undersea Environment



Energy Resilience:

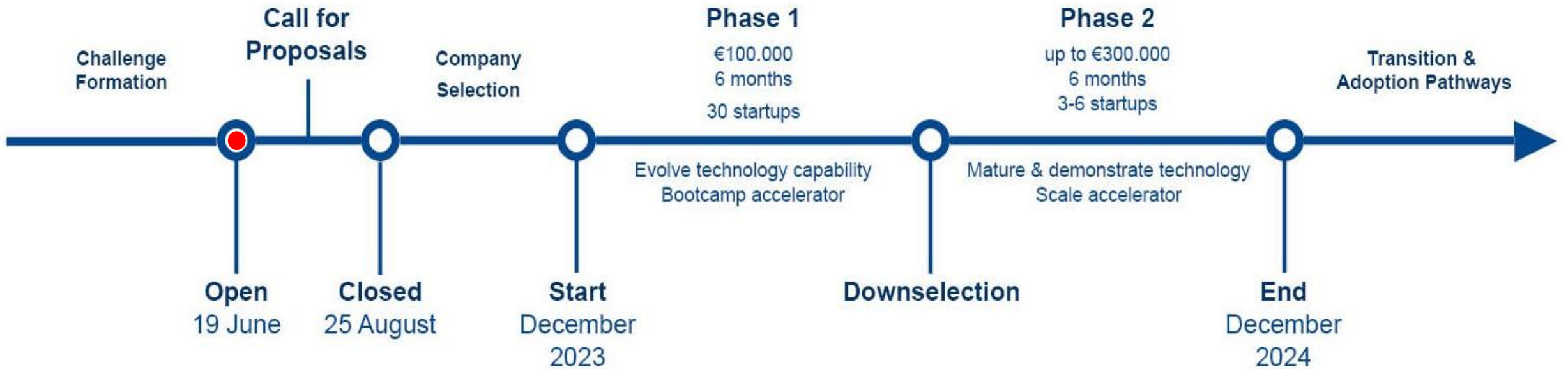
Harnessing Microgrid
Technologies for
Disaster and Conflict
Recovery



Secure Information Sharing:

Truly Reliable and
Unquestionably Secure
Technology

Challenge Programme Timeline



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