

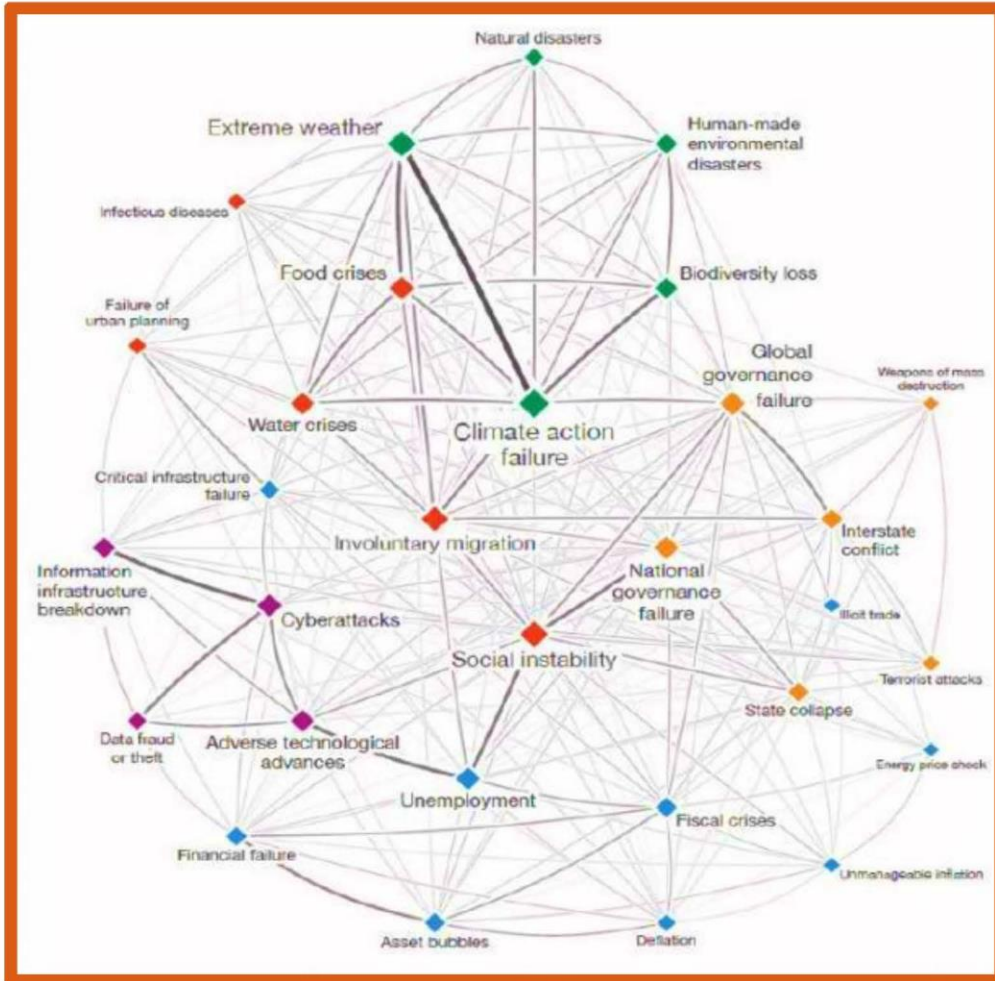


The Defence Innovation Accelerator for the North Atlantic

| **HEATHER DESSERUD**, Communications Director

DEFENCE & SECURITY

THE GAP



Insecurity is driven by **complex**, inter-related, inter-connected **global challenges** (e.g., environmental change, pandemic, resource scarcity, economic instability, hostile threats from state and non-state actors)

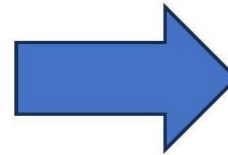
Understanding and tackling these challenges requires world-leading science and technology

DEFENCE & SECURITY

THE GAP

There are obstacles in engaging innovators to solve defence challenges:

- 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



- Innovators ignore or are frustrated by the defence and security market
- Start-up companies lose interest as commercial revenue streams take off
- Defence loses access to the talent of innovation community
- Innovators lose valuable market opportunities within defence

PURPOSE

OF DIANA



DIANA is the **Defence Innovation Accelerator for the North Atlantic**, a NATO organisation with a mission to locate and accelerate **dual-use innovation** across the Alliance.

DIANA provides technology developers with the resources, networks and expertise to address critical defence and security challenges, to create a more **peaceful and resilient** future.



BUILDING BLOCKS OF DIANA

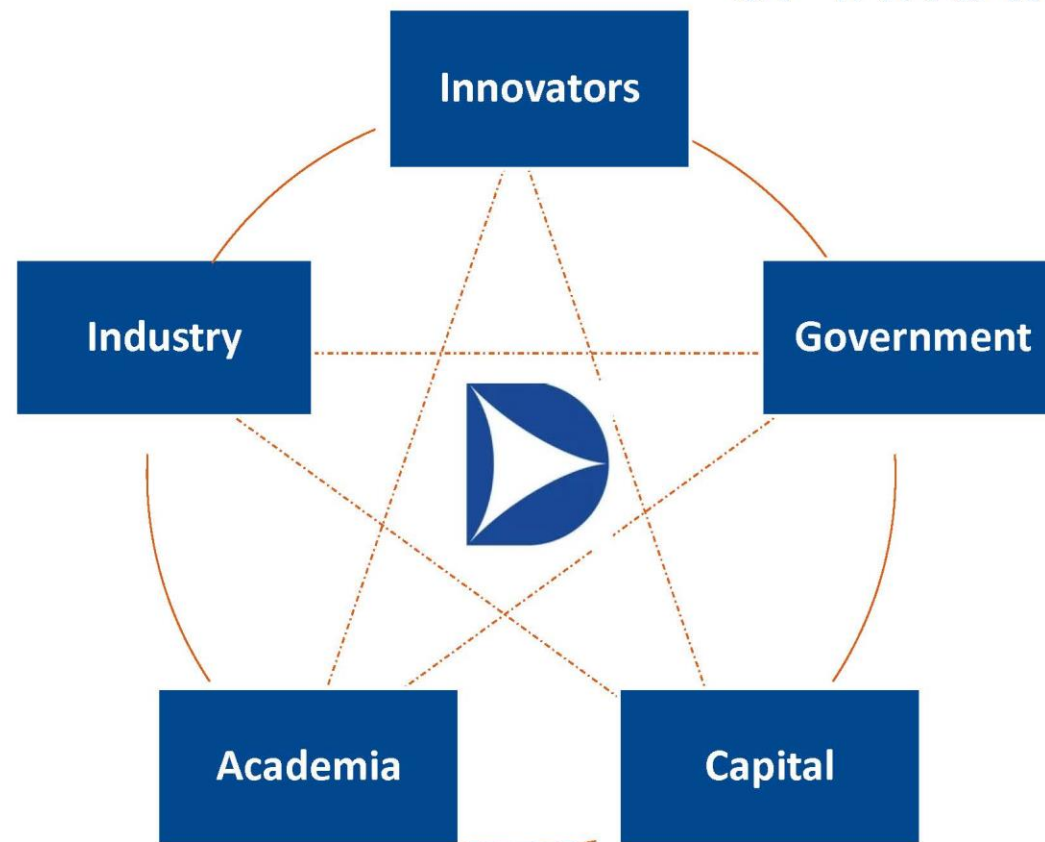


“I’m starting a startup that helps other startups start up.”

360° VIEW OF INNOVATION

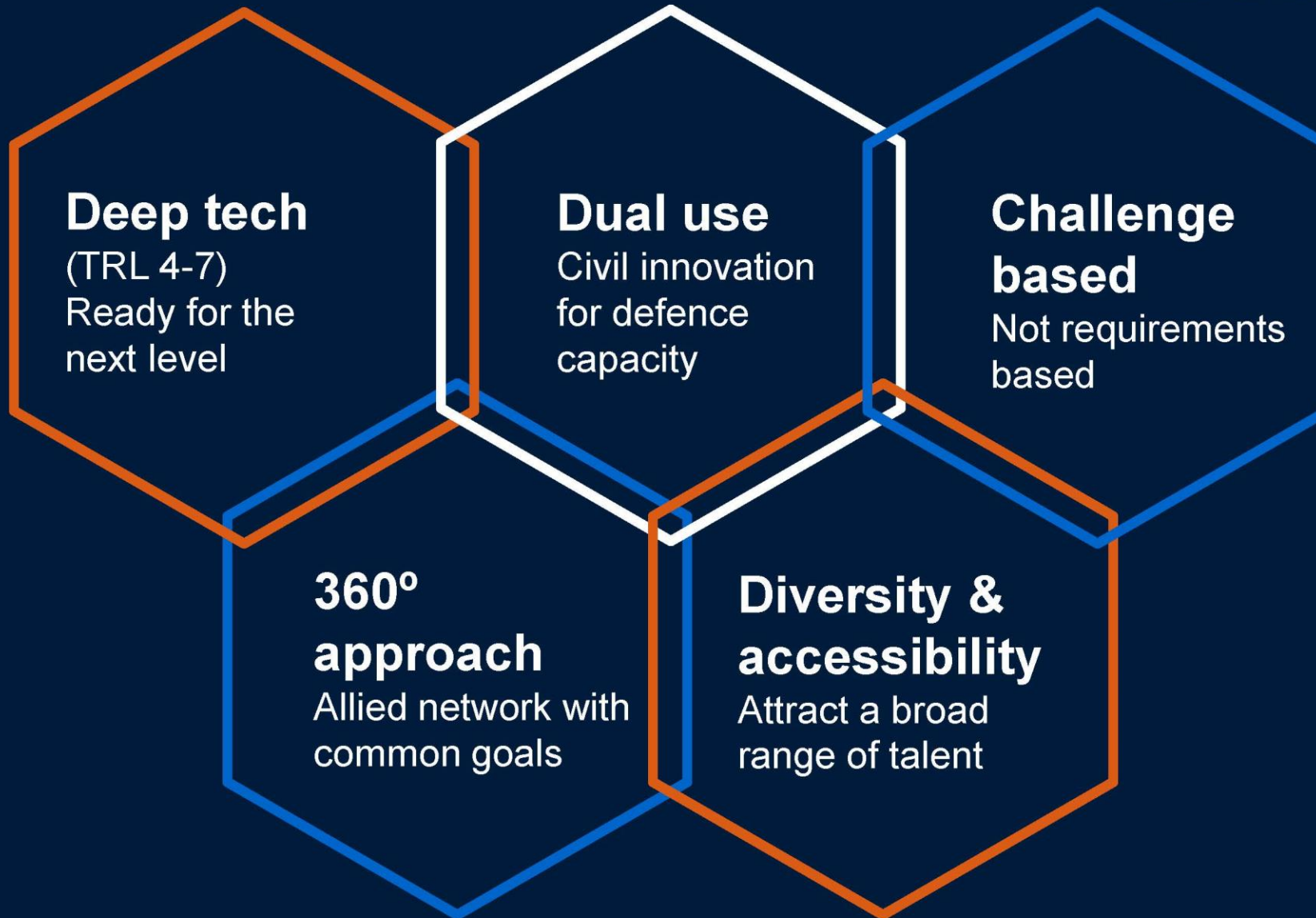
DIANA is building a resilient **Allied innovation ecosystem** that:

- 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

BUILDING BLOCKS OF DIANA



Supporting the development of a resilient and well-funded Allied defence innovation ecosystem.

PARTNERING FOR INNOVATION



VALIDATING THE NEED

DIANA'S PILOT YEAR



1300

applications across
three challenges



30 → 44

innovative
companies



100 000

funding, plus
guidance and more

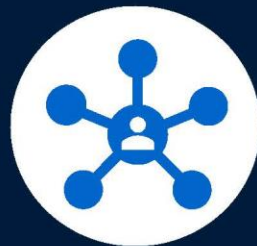


200+

sites across
Alliance



44 innovator
agreements



1700

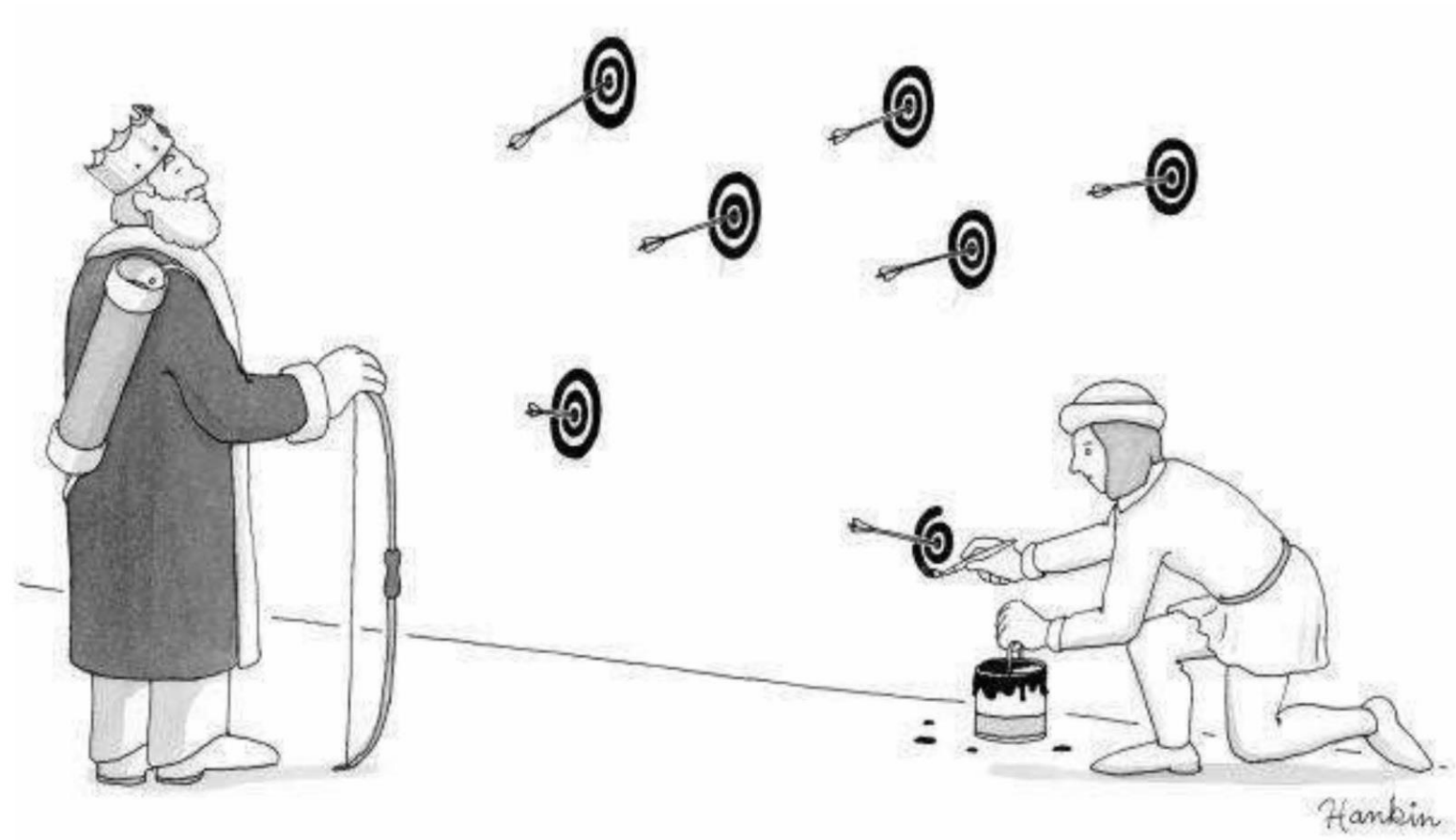
mentor & expert
applications

DIANA provides the guidance, support and networks to enable innovators to address defence and security challenges across the Alliance.

PRIORITIES



PRIORITIES TO CHALLENGES



CHALLENGES

DIANA'S PILOT YEAR



Sensing & Surveillance

Sensing the coastal undersea environment



Energy Resilience

Harnessing microgrid technologies for disaster and conflict recovery



Secure Information Sharing

Developing reliable and secure technologies

DIANA'S NETWORK

ACCELERATORS

Explore the interactive map at diana.nato.int



DIANA'S NETWORK

TEST CENTRES

Explore the interactive map at diana.nato.int



2023 NATO DIANA Cohort

The program currently accelerates 44 companies from across NATO nations, developing dual use, deep tech solutions tackling three critical challenge areas

















1

Energy Resilience

-  AquaGen
-  GaltTec
-  Goldilock
-  IceWind
-  IONATE
-  Kitepower
-  McGuire Aero Propulsion
-  Ore Energy
-  Spacelis
-  Texavie
-  WPE R&D
-  Zelestium Technologies
-  Zepher Flight Labs

2

Secure Information Sharing

-  Anzen Technology Systems
-  Astrolight
-  AVoptics
-  Dronetag
-  Ephos
-  G2-Zero
-  GIM Robotics
-  Hushmesh
-  LevelQuantum
-  Neuromorphica
-  Quadsat
-  Qubitrium
-  Revobeam
-  Secqai
-  VanWyn
-  VistaReader

3

Sensing and Surveillance

-  Aquark Technologies
-  aRoboticsCompany
-  Dolphin Labs
-  dotOcean
-  Elwave
-  Grayscale AI
-  Lobster Robotics
-  Marine Thinking
-  OWL
-  Phantom Photonics
-  Ping DSP
-  SEADAR
-  Skarv Technologies
-  Sotiria Technology
-  Water Linked

Learning from best practices and from the challenges and feedback we encounter on the way.

WHAT COMES NEXT?

PRIORITIES FOR FUTURE

CHALLENGES

5 challenges to be released in July 2024

VENTURE NETWORK

Creating the new venture network in (likely) summer 2024

ORGANIZATIONAL STAND-UP

Growing the organisation and its programming

RAPID ADOPTION

Bringing innovative technologies into the hands of allies

CHALLENGE FORMULATION

1. Energy			
2. Information			
3. Sensing			
4. Health			
5. Infrastructure			
6. Logistics			
7. Space			
	Domain Cross-cutting Themes	Resilience Cross-cutting Themes	Sustainability Cross-cutting Themes

Challenge 2024 Goal: *Align **Responsible Technology Development** and use of EDTs with Alliance's shared values with respect to norms and international law. Raise awareness of the Alliance's approach to responsible innovation and its Principles of Responsible Use with a focus on **Advancing Sustainability** for Defence & Security.*

Combined personnel levels,
including NATO International
Civilians and Military positions.

DIANA STAFF

FUTURE PERSONNEL PLANS

DIANA Headquarters: London



50-70 (planned)

Current: 30-40

European Regional Hub:
Tallinn



10-15 (planned)

Current: 1-2

North American Regional
Office: Halifax



15-20 (planned)

Current: 0



"I know we didn't accomplish anything, but that's what meetings are for."

ENGAGEMENT OPPORTUNITIES

DIANA **serves as a “broker”** to connect organisations (e.g. Gov, NATO bodies, industry) to a growing, vibrant network of innovators, investors, test centres, accelerators, stakeholders and end-users and **facilitates collaborations** via:

- **DIANA Networking Forums:** Innovator Workshops, Defense Days, Outreach Days
- **Challenge Programme:** Horizon scanning, strategic directions, proposal evaluation
- **Accelerator Delivery Programme:** Technical mentoring, TEVV grant advising
- **Commercial Team:** Venture capital connections, growth advice
- **Rapid Adoption Services:** Identifying national adoption opportunities

- **Other:** Joining the DIANA team

ENGAGEMENT OPPORTUNITIES

Key Contacts:

Accelerator programme: accelerator@diana.nato.int

Challenges: challenges@diana.nato.int

Employment opportunities: recruitment@diana.nato.int

Events and invitations: events@diana.nato.int

Press: press@diana.nato.int



Thank you

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