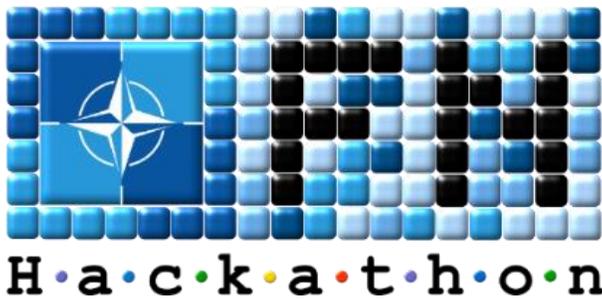


THE 2019 TIDE HACKATHON

Data Science @ Work



The TIDE Hackathon encourages innovation as part of a Continuum of events to improve interoperability between NATO, Nations and Partner Nations. Other events include the **TIDE Sprint** ‘think-tank’ event and the **Coalition Warrior Interoperability Exercise (CWIX)**. Along with the TIDE Hackathon they enable ‘day zero interoperable forces’ whilst supporting nations as they design interoperability into deployable C2 and IT capabilities.

What is the TIDE Hackathon?

Combine the words ‘**hacking**’ and ‘**marathon**’ and you have a ‘**hackathon**’, used in the sense of an exploratory activity. It’s a competition that will have winners and prizes. TIDE Hackathons allow teams of computer programmers, architects and subject matter experts to **collaborate intensively**, in a high intensity work environment for a short period, on challenges with a specific focus. The goal of the TIDE Hackathon is to **rapidly create innovative solutions by the end of the event**.

Why do we have a TIDE Hackathon?

- Because **some problems need a ‘kick-start’**, they may be too difficult, or would take too long to solve in a conventional way – we must be receptive to need new ideas, this is a core element of the hackathon.
- Because we recognize the importance of ‘**fresh minds and fresh approaches**’; what they can contribute and their enthusiasm for solving problems – hackathon participants recognize that **the obvious solution isn’t always the best solution**.
- Because we recognize the benefits of enthusiasm and collaboration at this level as a real ‘force multiplier’ – at the hackathon **things get done more quickly!**
- Because looking at problems differently sometimes **reveals unusual or innovative solutions** the hackathon champions novel solutions that we wouldn’t have thought of, or methods we would never have tried!



What we will do?

The theme of the 2019 TIDE Hackathon is Data Science. Use cases were agreed at the Fall 2018 TIDE Sprint and developed into modelling, coding and visualization challenges. Participating teams will **compete to develop solutions**. Winning solutions could be demonstrated at the Spring 2019 TIDE Sprint or at CWIX 2019. Solutions could include:

- Innovative architectural models, views and methods for understanding and presenting information to military commanders
- Novel software/hardware based solutions



Final solutions will be available to participants, NATO and partners nations. TIDE Hackathon material will be available on Tidepedia for further collaboration and development. The best solutions will be further developed by NATO for its business needs.

Who do we want?

Our target audience for the 2019 TIDE Hackathon are **energetic, enthusiastic and motivated individuals** and teams from:

- NATO, Nations' and Partner Nations' Military **Academic Institutions**
- **Universities** from NATO and partner nations with links to MODs
- National Defense **Research Establishments**
- **Industry** with links to national defense research and development/ startups / SMEs

Why do people participate?

- They enjoy **pushing the boundaries** and working on innovative solutions
- They want to experience and make the most of working in a **multinational environment**
- They want to **contribute and learn** from each other, and from experts with military and industry backgrounds
- They want to learn about NATO and its current challenges

They could win! If they do NATO will invite them to demonstrate their solution at the Spring 2019 TIDE Sprint in Split (Croatia) and maybe at CWIX 2019 in Bydgoszcz (Poland)

For more information about the 2019 TIDE Hackathon, please contact the TIDE Hackathon team at: hackathon@act.nato.int or visit our website.

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