

Introduction to 'Emerging Military and Security Technologies' Project (ET)

- Technically not a program, so no-official boiler plate
- Started a conversation last year about what should be SIPRI's research strategy on Emerging Technology or technology and international security. Conversation needs to continue, particularly given the importance given to topic of emerging tech in the SIPRI strategy.
- If asked to define the work that we do: very much in line with the SIPRI research agenda and the cluster's strategy.
 - At the core, the Emerging Tech Project's mission is to monitor technological development and their implication for armament trends and international peace and security more globally.
 - Provide unbiased and balanced analysis — demystify, de-hype technological development the risk they posed —> Kind of similar approach to DUAT, but we focus more on the humanitarian and strategic implications of technology and how they can be dealt with by IHL, conventional arms control and other nuclear arms control and nuclear risk reduction.
 - Convene meetings about how these risks can be dealt with. Use our unique position that allows us to have people from tech sector, government including military, scholars from all over the world.
 - The work done in recent years has very much aligned with priorities flagged in the cluster strategy:
 - Connect old and new tech: Bio+ X, Carnegie project did exactly this.
 - Explore regulation and limitation of existing framework:
 - Example of past project:
 - Article 36 work (that we plan to continue with UNODA this year).
 - SIPRI/ICRC project: limits on autonomy in weapon systems: identifying elements of human control
 - Examples of incoming projects
 - IHL, Autonomous Systems and Human Control
 - Governing opportunities and risks of AI for peace and security (with component on responsible innovation as preventive arms control).
 - Develop capability on IHL: incoming project: already achieved with double recruitment of Netta Goussac, Associate Senior Researcher and Laura Bruun.
 - Develop technical expertise: Planned recruitment of Luke Richards that has some technical expertise on Cyber.

- Possibilities for collaboration with other team within cluster and beyond.
 - Nuclear team: Follow up to Carnegie Project with focus on Space. Only challenge is that we do not have Space expertise in-house >> Hard to fundraise
 - DUAT: AI and Export Control + collaboration as part of a work package on responsible innovation in German FFO funded project on Governing opportunities and risks of AI for peace and security
 - AMEX: The ET Project needs to have discussion with Lucie on diffusion of technology. Possible way to monitor diffusion of dual tech that could be weaponised? Impact of emerging tech on arms industry ...
 - Beyond cluster:
 - Laura's expertise on IHL; remote warfare and Middle East could lead to interesting project for cluster II.
 - Plan project with climate team in 2021. Looking at opportunities created by AI for forecasting climate change related risks.