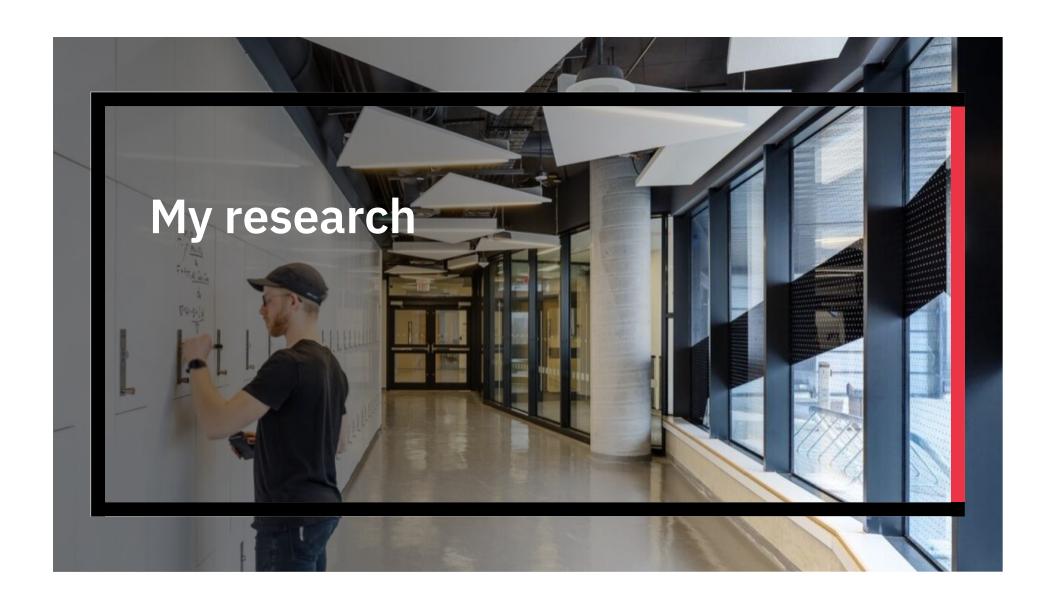


CONTENTS

- > My research
- > Dealing with new research risk requirements in grant applications
- > Thoughts and suggestions





My research

- ▶ 19 years at Geomatics Engineering in Dept. of Earth and Space Science and Engineering, Lassonde School of Engineering
- Director: Global Navigation Satellite Systems Laboratory
- ➤ Interim Director: Mobility Innovation Centre (MOVE) ORU
- ➤ I work with GPS and other positioning and navigation systems, primarily improving measurement processing algorithms and applying to user applications
- Current research includes improving automotive and smartphone capabilities

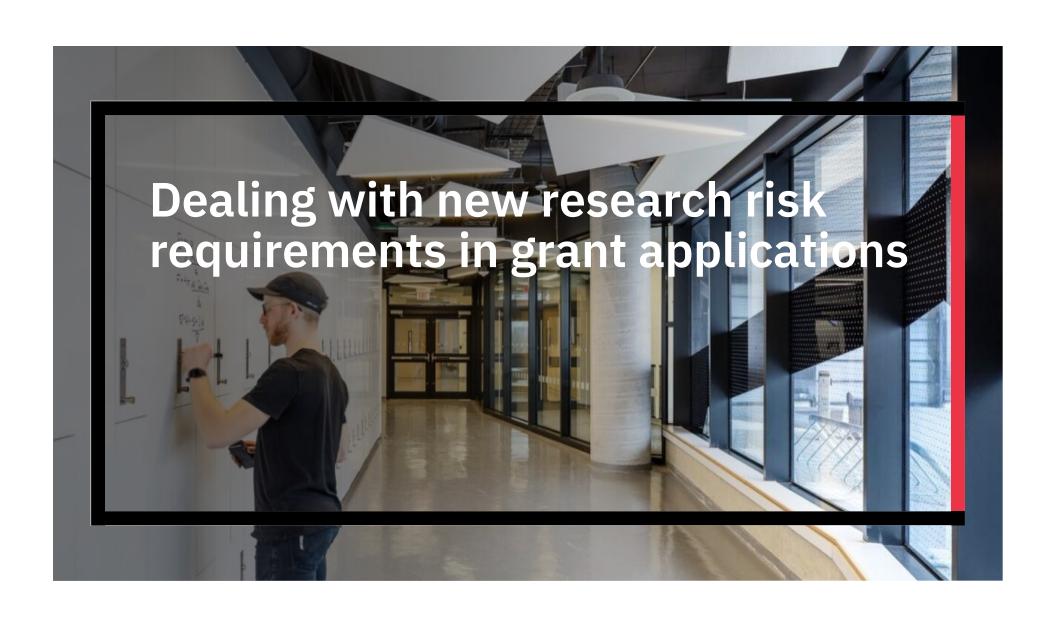




My / the "problem"

- > My research is the "problem"
- > Simply put:
 - While I don't work on military applications,
 - These technologies are all military developments and
 - Therefore, are all subject to risk assessment
- > Perhaps the case for your research, especially under "dual-use" definitions





More work!

- Yes Know your research: Determine if research falls under a risk category (As risk is defined so broadly, its highly likely)
- Yes Know your partner organization: Determine details about potential partners ownership and affiliations

(Sometime difficult to find information, but some warning signs are obvious)

- Risk identification: What is this?!(Follow instructions; ask for help)
- Risk mitigation plan: Even more so, what is this?!?! (Follow instructions; ask for help)



A specific problem

After doing her review, Rebecca's office sends Globe & Mail article:

Canadian-made parts found in Iranian attack drones used by Russia in Ukraine

STEVEN CHASE > SENIOR PARLIAMENTARY REPORTER

PUBLISHED DECEMBER 4, 2022 UPDATED DECEMBER 5, 2022

What is Research to do with such information?!?!



Does research require risk assessment?

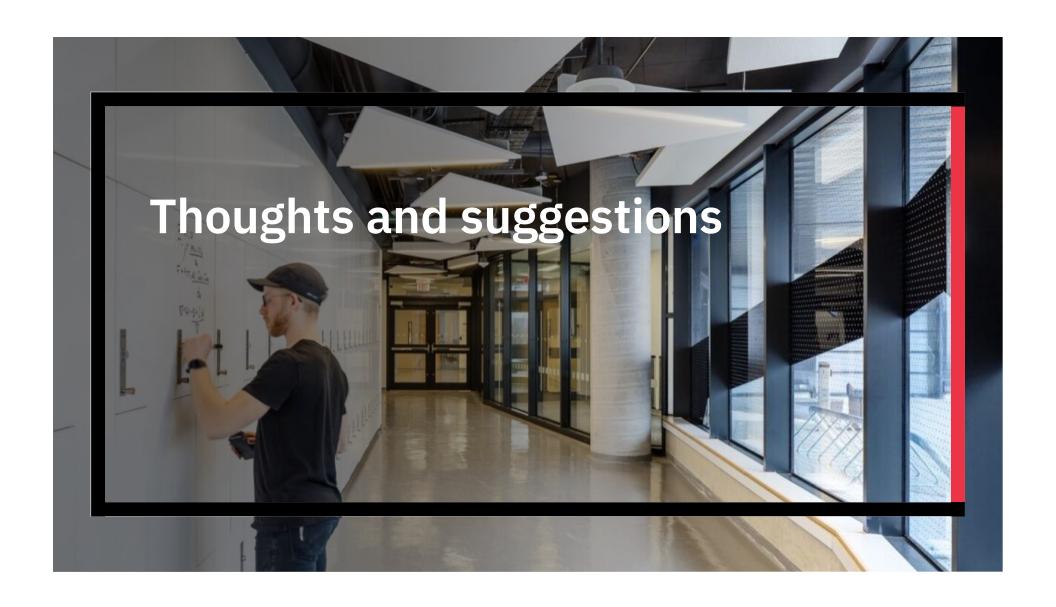
- > Again, probably yes
- > Broad definitions provided
- > Best to respond conservatively
- > As with all grant applications, best to answer all questions directly



What is a risk mitigation plan?

- > As with all grant applications, best to answer all questions directly
- > Describing any other relevant review processes for which project has been subject to
- > Raising research security awareness and building capacity across your research team
- > Ensuring that partner organization(s)' objectives align with objectives of partnership
- > Ensuring sound cybersecurity and data management practices
- ➤ Agreement on intended use of research findings





Make use of available resources

- > On-line instructions and tools
- > Rebecca's office
- > Faculty research office



On-line courses

- Worth stating in risk mitigation plan that Researcher will be / has taken research risk and mitigation webinars
- > e.g., Public Safety webinars on safeguarding science, dual-use technologies, international students, exporting, etc.
- > e.g., Tri-Agency webinars on sensitive research and affiliations



Ask for permission now and not forgiveness later

> Bad:

- More time needed to prepare grant (at least two additional forms)
- Additional documentation depends on type of grant but typically additional material
- More work for Researcher (research, communications, writing, reviews, edits, etc.)

> But ...

- Not taking these new requirements seriously could result in grants being sent back
- Best to do the extra work, rather than complain / ignore / minimize it
- Same situation for various other grant requirements

