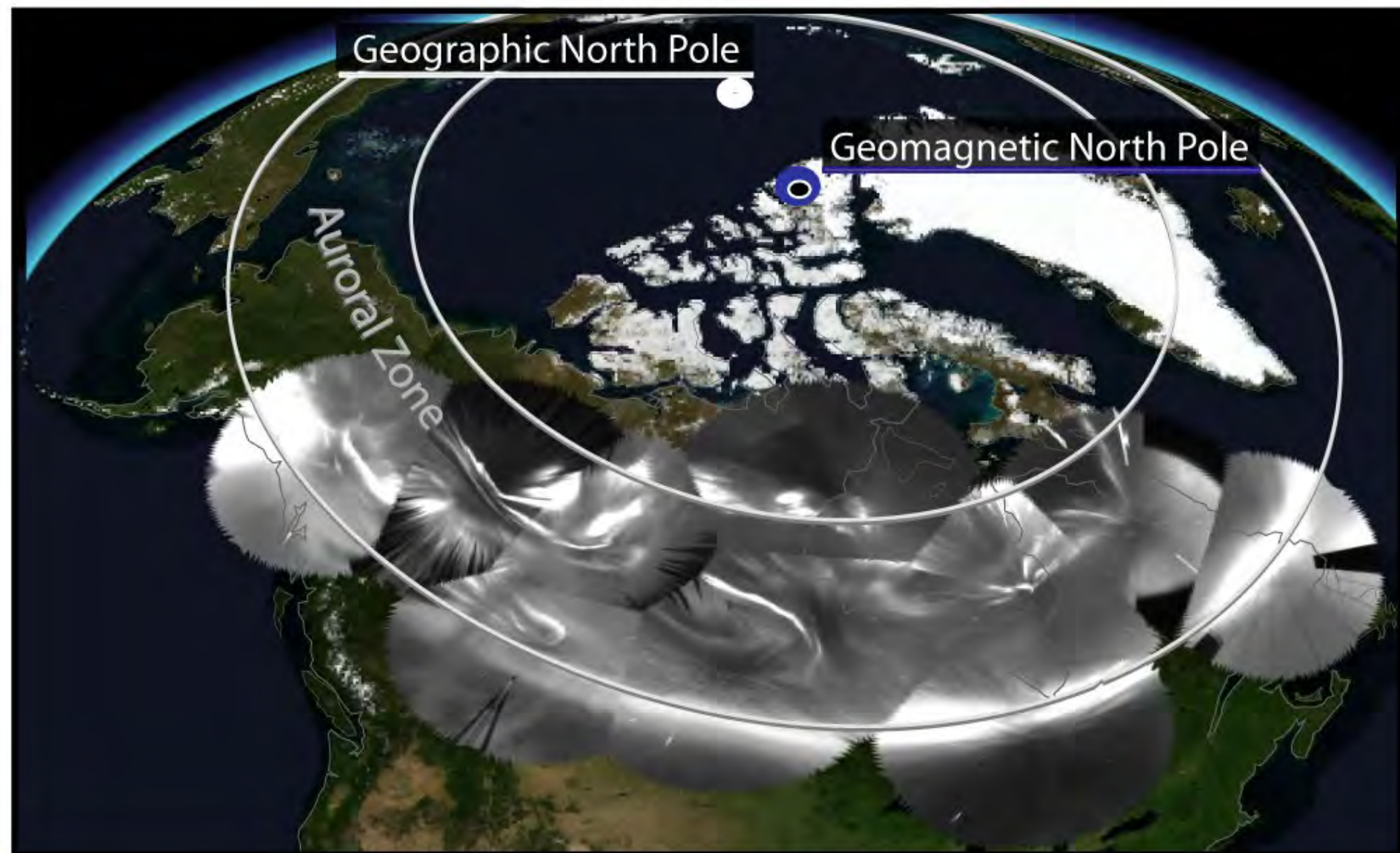


Ground-based capabilities that could enhance GDC and DYNAMIC science

Eric Donovan (on behalf of Emma Spanswick)

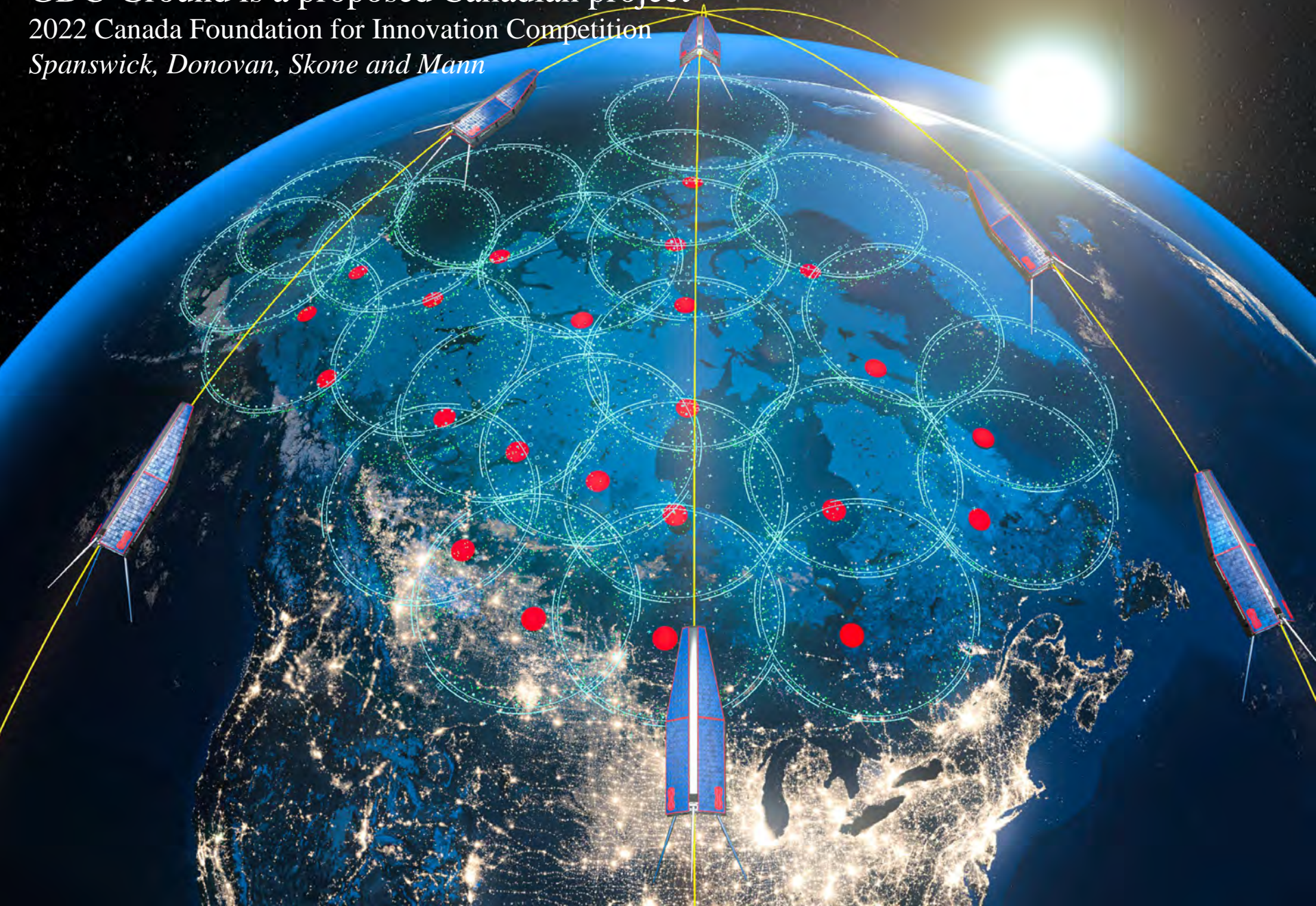
Thanks to THEMIS-ASI, we no longer need to argue the value of ground-based imaging (or ground-based data) for MIT or ITM science.



GDC-Ground is a proposed Canadian project

2022 Canada Foundation for Innovation Competition

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134 sensors across 27 sites

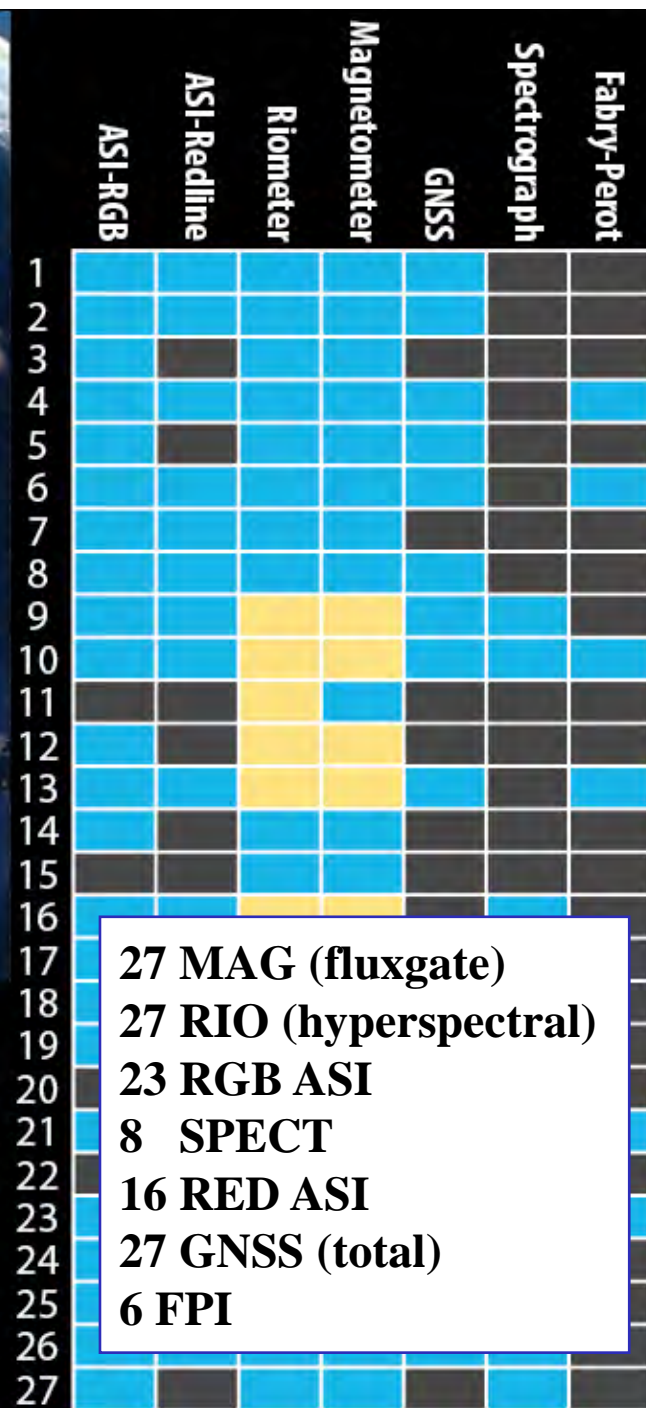


1. Eureka, NU
2. Resolute Bay, NU
3. Clyde River, NU
4. Iqaluit, NU
5. Kuujuaq, QC
6. Labrador City, NL
7. Sanikiluaq, NU
8. Kapuskasing, ON
9. Pinawa, MB

10. Gillam, MB
11. Churchill, MB
12. Rankin Inlet, NU
13. Taloyoak, NU
14. Cambridge Bay, NU
15. Contwoyto, NU
16. Rabbit Lake, SK
17. Lucky Lake, SK
18. Athabasca, AB

19. Fort Smith, NWT
20. Prince George, BC
21. Fort Simpson, MWT
22. Normal Wells, NWT
23. Sachs Harbour, NWT
24. Inuvik, YK
25. Whitehorse, NWT
26. Poker Flat, AK
27. Toolik, AK

■ New Sensor
■ Existing



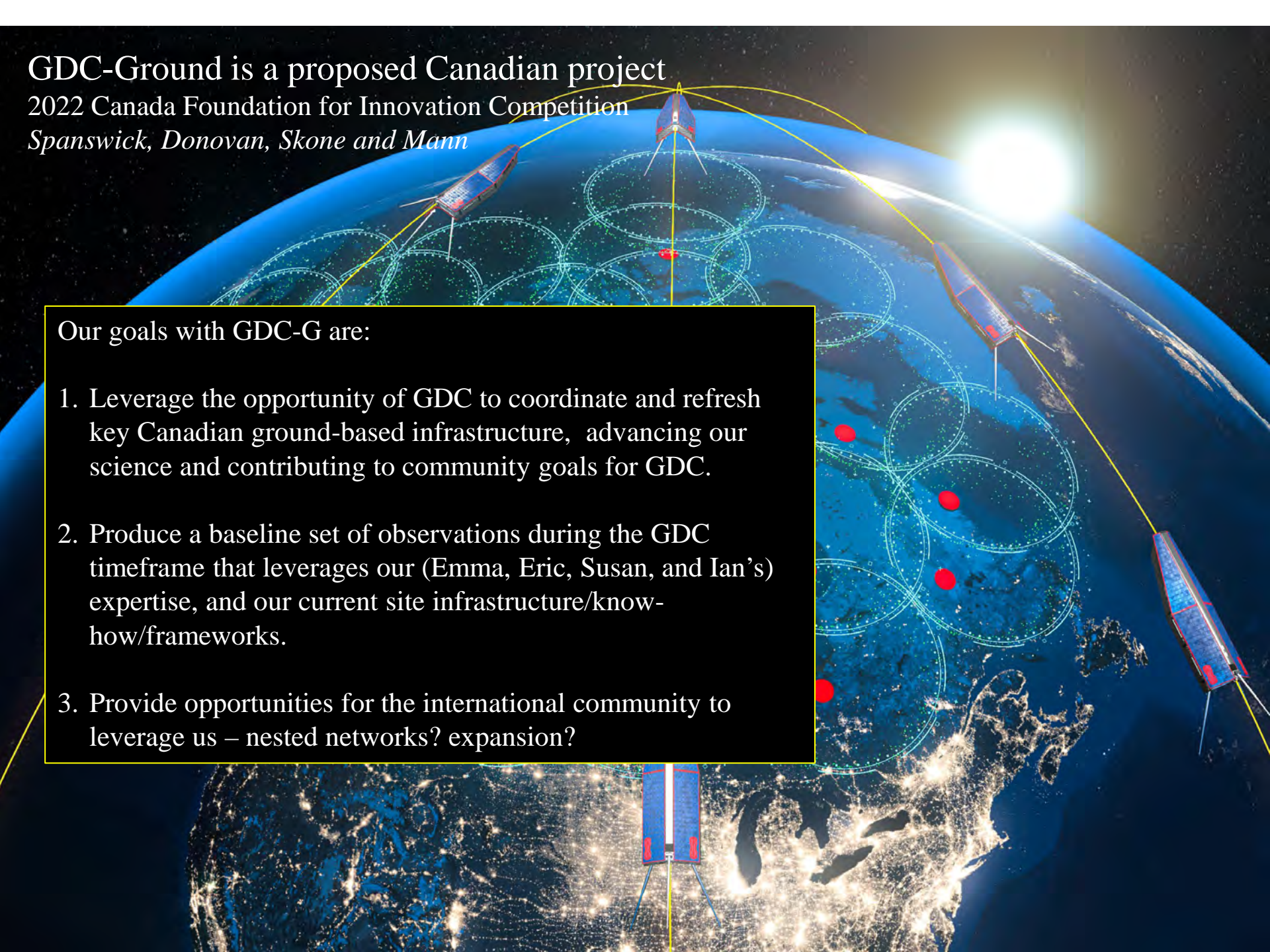
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Our goals with GDC-G are:

1. Leverage the opportunity of GDC to coordinate and refresh key Canadian ground-based infrastructure, advancing our science and contributing to community goals for GDC.
2. Produce a baseline set of observations during the GDC timeframe that leverages our (Emma, Eric, Susan, and Ian's) expertise, and our current site infrastructure/know-how/frameworks.
3. Provide opportunities for the international community to leverage us – nested networks? expansion?



Ground-based capabilities that could enhance GDC and DYNAMIC science

GDC-G will provide uniform coverage over nearly all of Canada and targets new ways of engaging with the ground-based data: lower barrier of usage, higher level data-products, coordinated tooling and access, pipelines to existing community frameworks (SPEDAS, etc.).

