

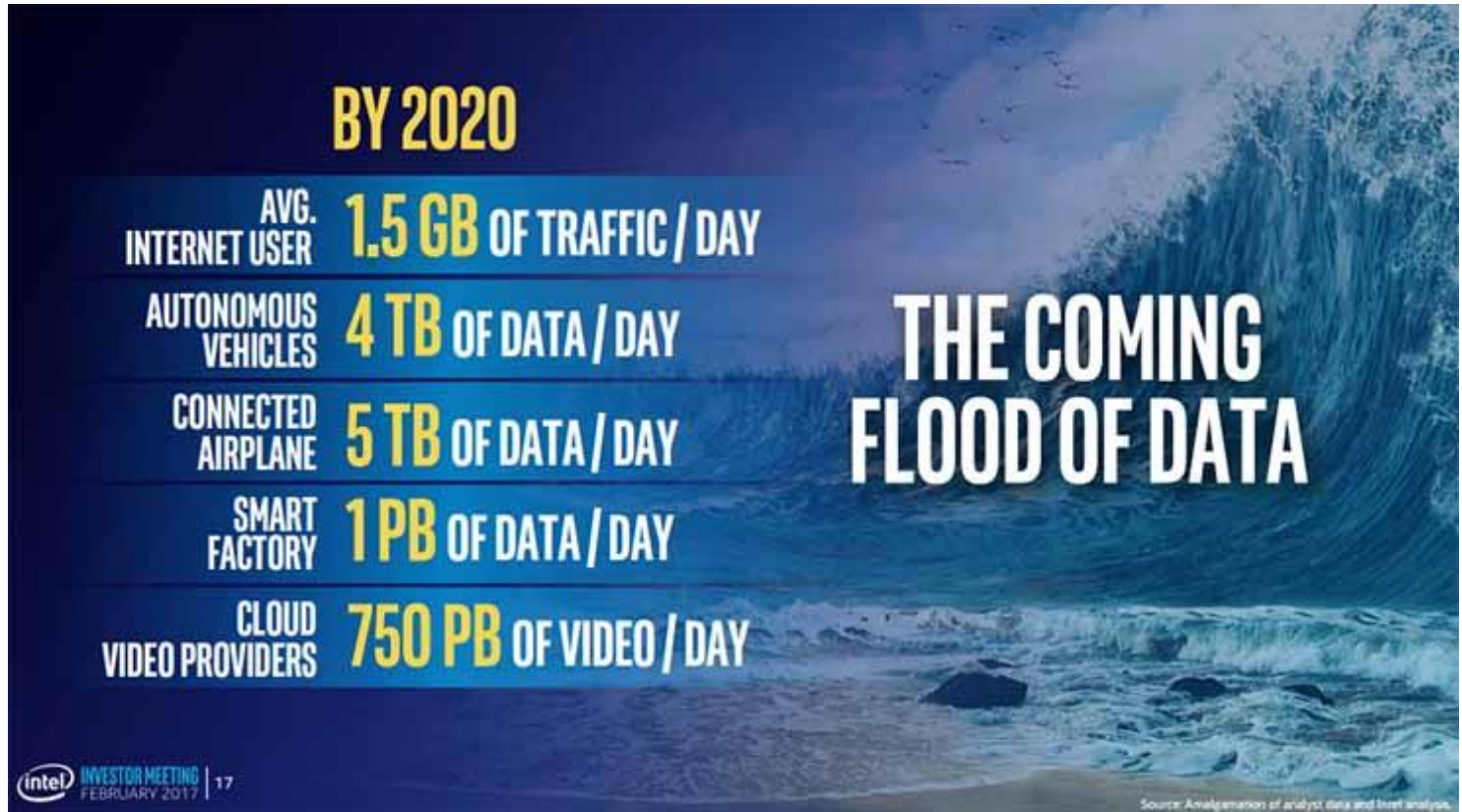


Arctic Connect

Arctic Economic Council

Top of the World Arctic Broadband Summit

Why do we need connectivity?



Connecting the Arctic

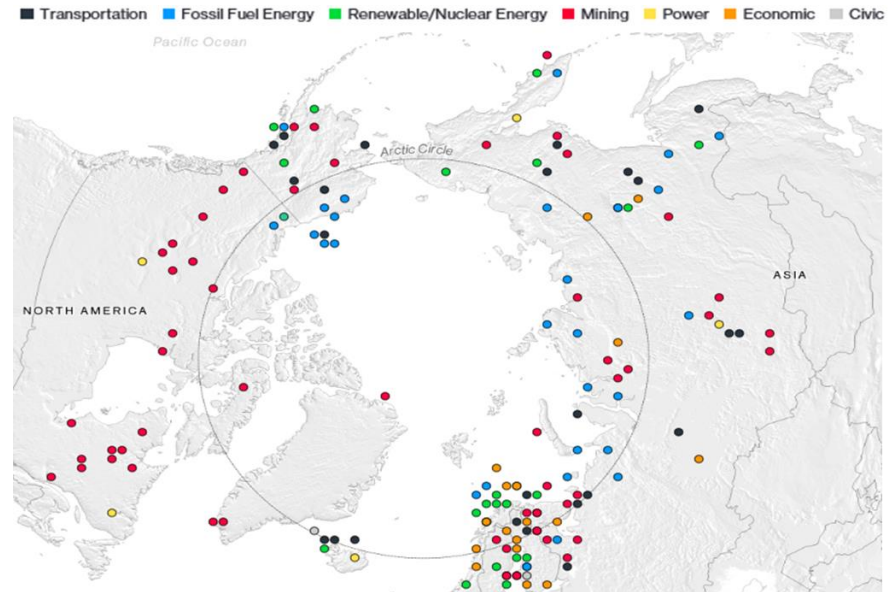
- 99% of the world internet traverses through submarine cables and only 0,5% through satellite
- Submarine cables are the new trading routes of the digital economy and boost the digital development
- The digital economy seeks new routes for, improved connectivity, resiliency and cost reduction



The new northern connection between Europe and Asia would bring 25-40% decrease in latency compared to the traditional southern route

Future development in the Arctic

- Arctic areas can be a game changer for global connectivity and therefore infrastructure investments and growth plans should be planned and developed with both private and public interests
- There are around 900 planned projects in the region requiring 1 trillion USD investments – need for infrastructure in the area is eminent
- Building datacenters in areas with renewable energy also provides growth potential with less environmental impact



From roads to new mines, these are some of the largest projects on each country's wish list, according to Guggenheim Partners

Key Arctic Drivers for Digitalization

1

Investments to the Arctic region

Datacenters

Datacenters need a high level of connectivity to provide capacity for the latest telecommunication services, and the Arctic environment offers optimal settings for it

Direct international investments

Direct investments from companies or start ups may also be attractive to implement in this area



2

Cities on the shore of the Arctic Ocean

Arctic regional development strategy 2020

The strategy consists of boosting arctic population and economy by interconnecting them and providing them with new technologies and infrastructures, giving them access to the global economy and modern information services



3

International business requiring high-speed connections



Arctic Connect - Overview

- Connects 3 continents and 85% of the population of the world
- 18.000 km total system length
- Ultimate capacity from 10 up to 44 Tbit/s per fiber pair
- 6-8 fiber pairs with branching units to connect various landing points along the route



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Arctic Connect - Timeline





Thank You!

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