

# New Arctic Opportunities

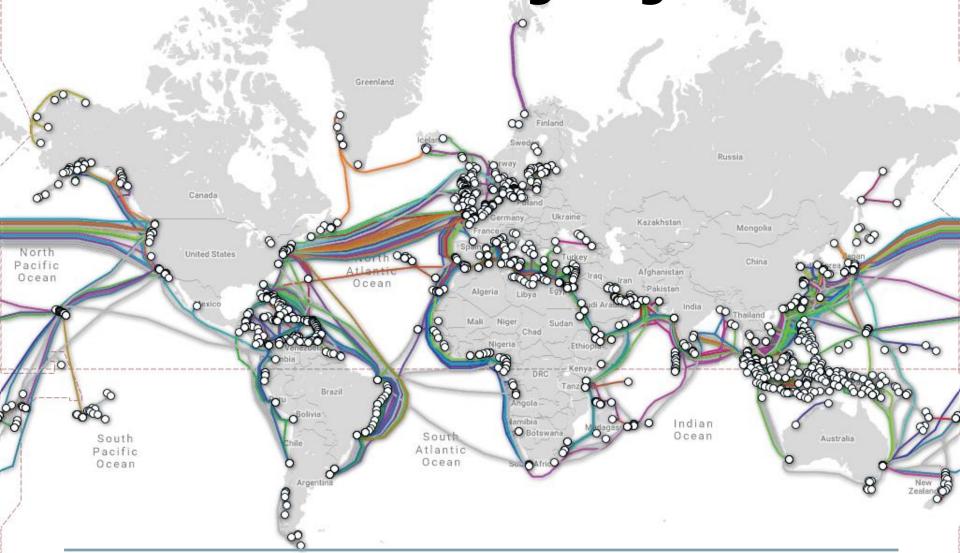
Heidar Gudjonsson 27.06.18



Arctic Ocean Arctic Ocean

## The arteries of the digital globe





### Arctic connects 90% of world economy



20% of natural resources

15% of land

0,05% of population

Economic growth 7-8% for the foreseeable future



#### The challenge ahead is building infrastructure

# Those living inside the circle need the resources which exist in the Arctic



More people
living inside
this circle than
outside

Two billion people will enter the middle class over the next decade, thereof 88% will be inside the circle

## The world is changing fast





#### **Urbanization**



#### Increase in wealth



#### Digitization and automation growing



#### 4th Industrial Revolution

#### **Data Centers**



Data Centers are growing enormously, doubling in capacity every 2-3 year (Cisco/IBM)

Carbon footprint overtook the aviation industry in 2013

Data Centers now amount over 7% of energy demand (World Economic Forum)

#### **Data Centers need**







The Arctic is a fantastic area to build out data centers

## Despacito



Despacito has been played 5,2 billion times on Youtube.com

Energy production is 2/3 carbon fuels globally

Global average PUE in 2016 was 1,71

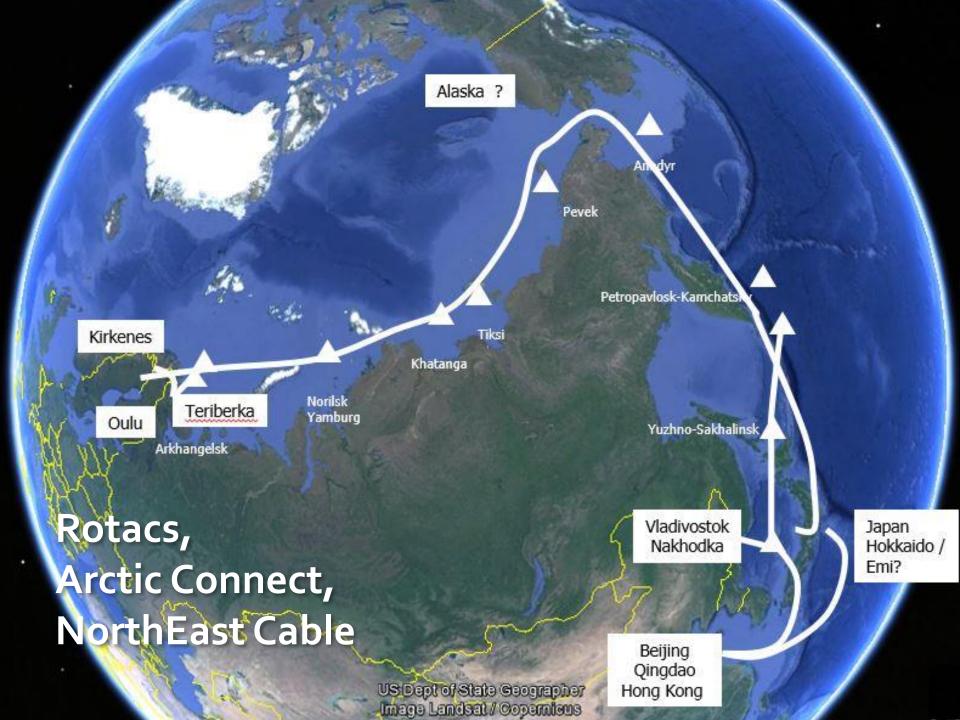
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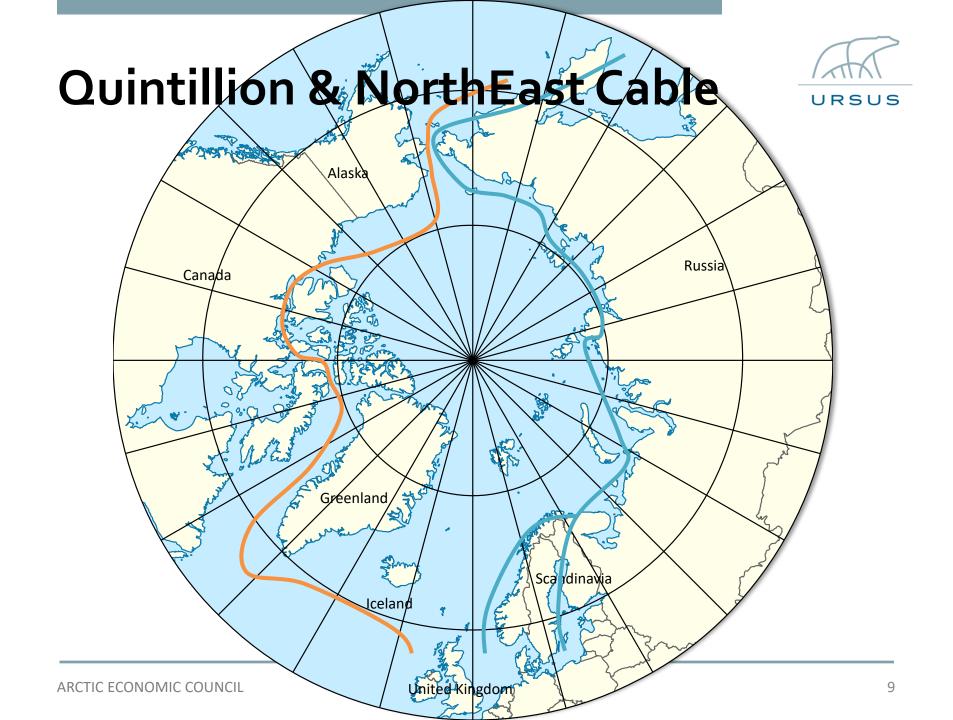


Each play generates 0,175kwh

Despacito has a bigger carbon footprint than **100 thousand taxis** over a whole year







#### **Data Centers**





#### Connecting the Arctic opens up new possibilities

- Direct connection from Asia to Europe
- Access to clean power sources at very competitive prices
- Increased data and communications security



#### This is a Win-Win situation

- Local communities get better connectivity
- Untapped clean power sources get utilized
- Economic diversification
- Carbon footprint is reduced



https://arcticeconomiccouncil.com/wp-content/uploads/2017/02/AEC-Report\_Final-LR-1.pdf

