Finnish Space Strategy 2013-2020

• Prepared by the Finnish Space Committee
• Covers all public sector activities from satellites and space systems to applications.
The impact model behind the Finnish strategy

Capabilities in science and technology

Products of space and application industry

Impact on public and private services for the benefits to society
The Finnish space strategy: two applications together with scientific and industrial foundations

- Raising the level of scientific research
- Increasing the competitiveness of space industry
- Space applications for the Arctic region
- Services based on Open Data
Space-based applications respond to the growing demands in the Arctic area

- The goal is to create public and commercial services.

- We strengthen research of the Arctic region (e.g. climate change and environmental safety) to help the utilization of the Arctic resources (e.g. natural resources, transportation in the Arctic, including the Arctic Ocean).
Open geographic information boosts the competitiveness of location based services

- **Satellite positioning** will enable intelligent transportation systems and create export of equipment and services.
- **Open geospatial data** released by government agencies and data collected by Earth Observation satellites will create new applications and boost the competitiveness of services in positioning, remote sensing and geographic information.
Arctic Conditions - Foster our know-how

Extreme winter temperatures: – 30°C – 0°C
Around 120 days

Darkness: above the Arctic Circle, the sun does not rise for a month during the winter

Freezing Baltic Sea and lakes: The Sea around Finland freezes every year

Remoteness: The harsh weather and sparse population poses challenges for infrastructure

Fragile environment: The environment is particularly fragile and vulnerable
Arctic Knowledge—Turned into solutions

We have developed winter-proof maritime and harbor infrastructure

We have become one of the world’s leading experts in arctic conditions
• shipbuilding
• shipping
• winter navigation

We have developed solutions for all-year maritime logistics and offshore applications

We have created expertise in the monitoring and control of sea transport, weather and ice information services