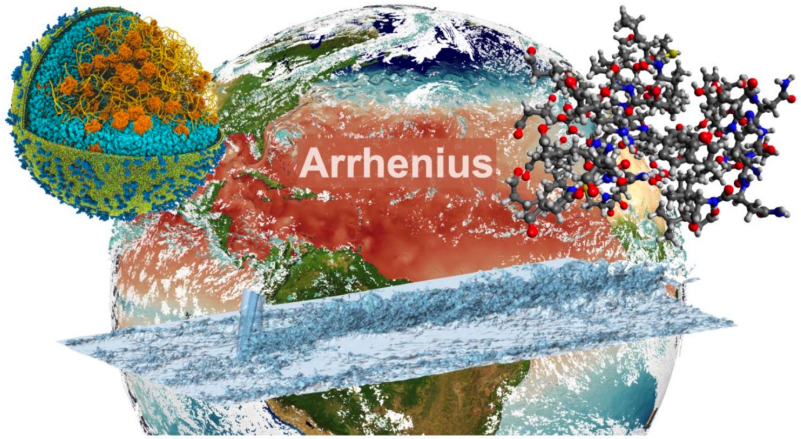
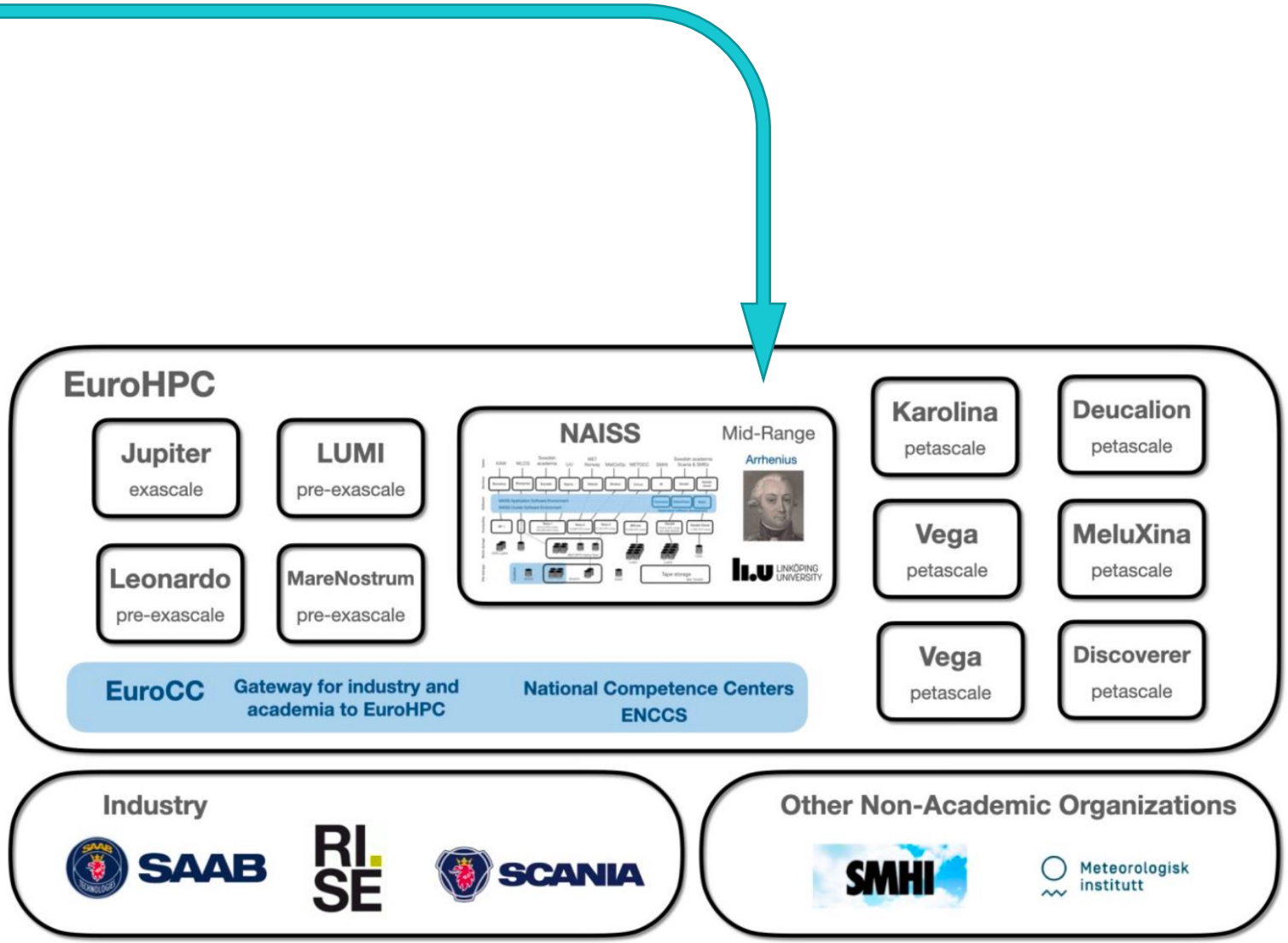
Arrhenius / NAISS
LINKÖPING
UNIVERSITY

APPLICATION FORM
Call REF: EUROHPC-2022-CEI-MR-01

Application Ref: ***ARRHENIUS***



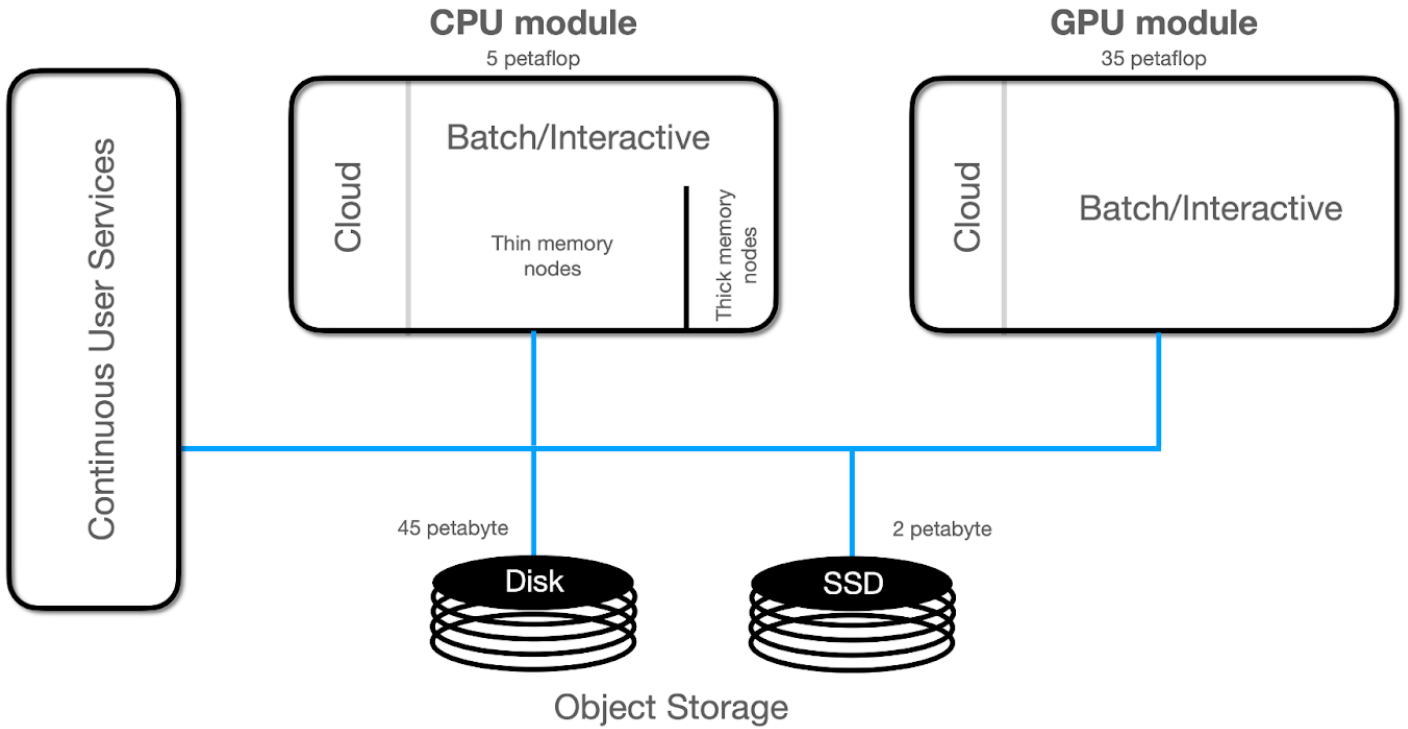


EuroHPC Mid-range System (>15PF)

- A EuroHPC mid-range system for academic research and industry
- Total budget 750 MSEK
- CPU-module 5PF
- GPU-module 35PF

- Dynamic Service Model Partitions:
  - Batch services
  - Interactive services
  - Cloud services
  - Sensitive and confidential data services

- Continuous user services:
  - remote desktops
  - application programming interfaces
  - workflow orchestration
  - graphical user interfaces
  - model design and job launch tests

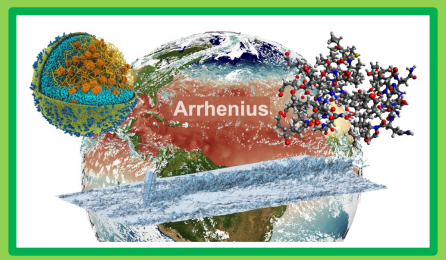


EuroHPC Joint Undertaking

LINKÖPING UNIVERSITY

Academic users

NAISS



Industrial users

ENCCS
EuroCC National Competence Centre Sweden

RI.SE

Public sector users

Swedish Research Council

VINNOVA
Sweden's Innovation Agency

Arrhenius is needed

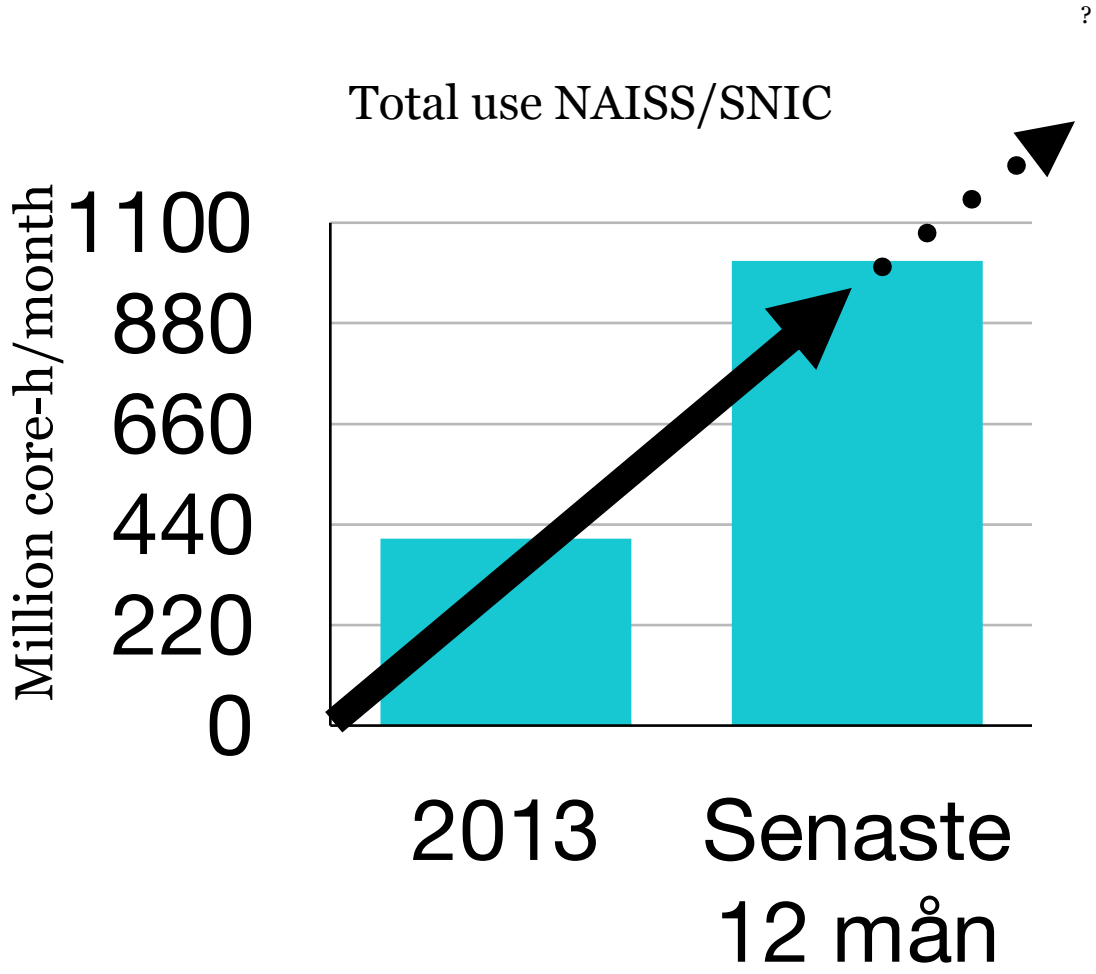
For a long time, use could increase even with unchanged financial investments. This is changing now!

Significant price increase for, among other things, GPU power.

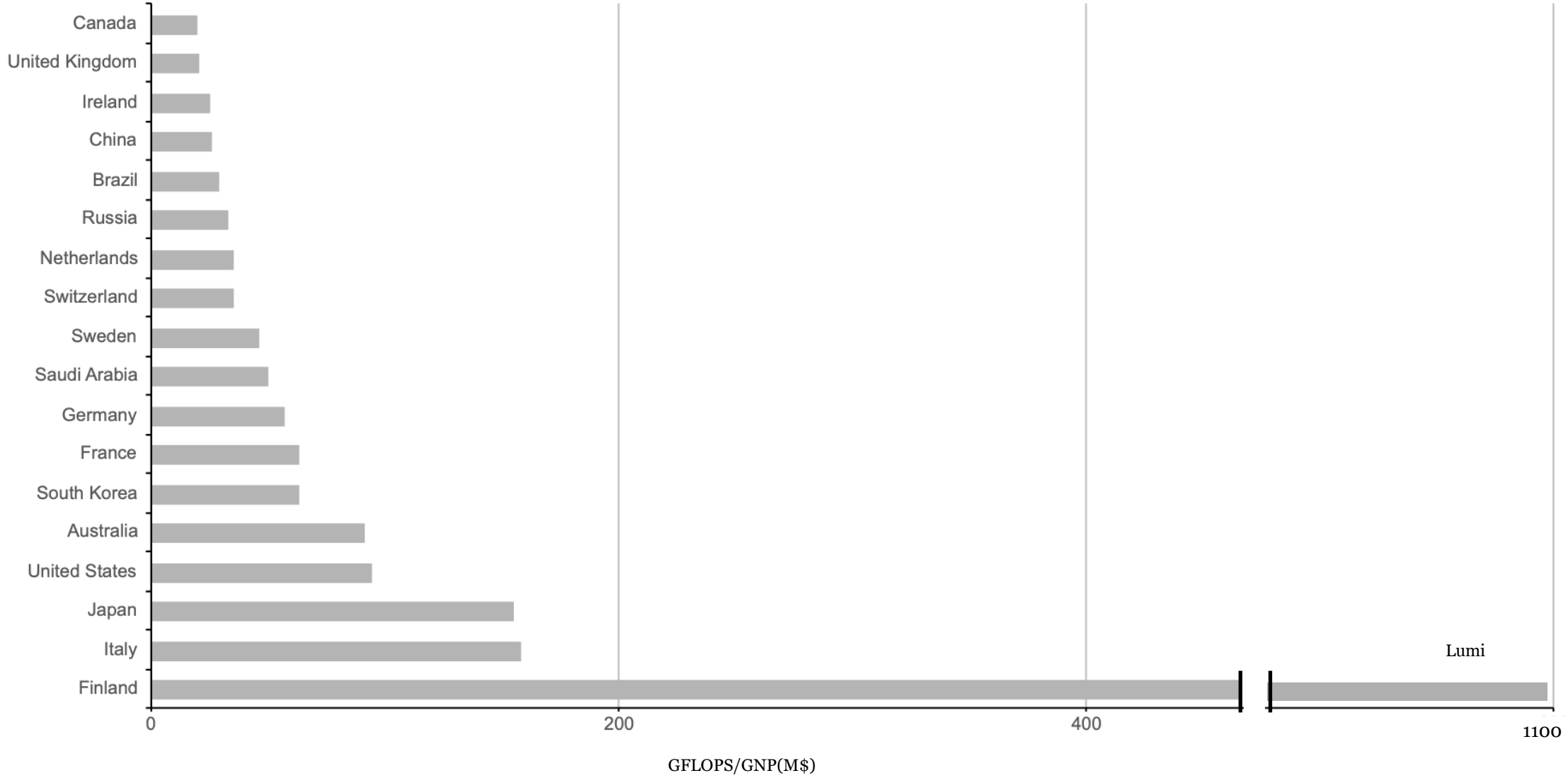
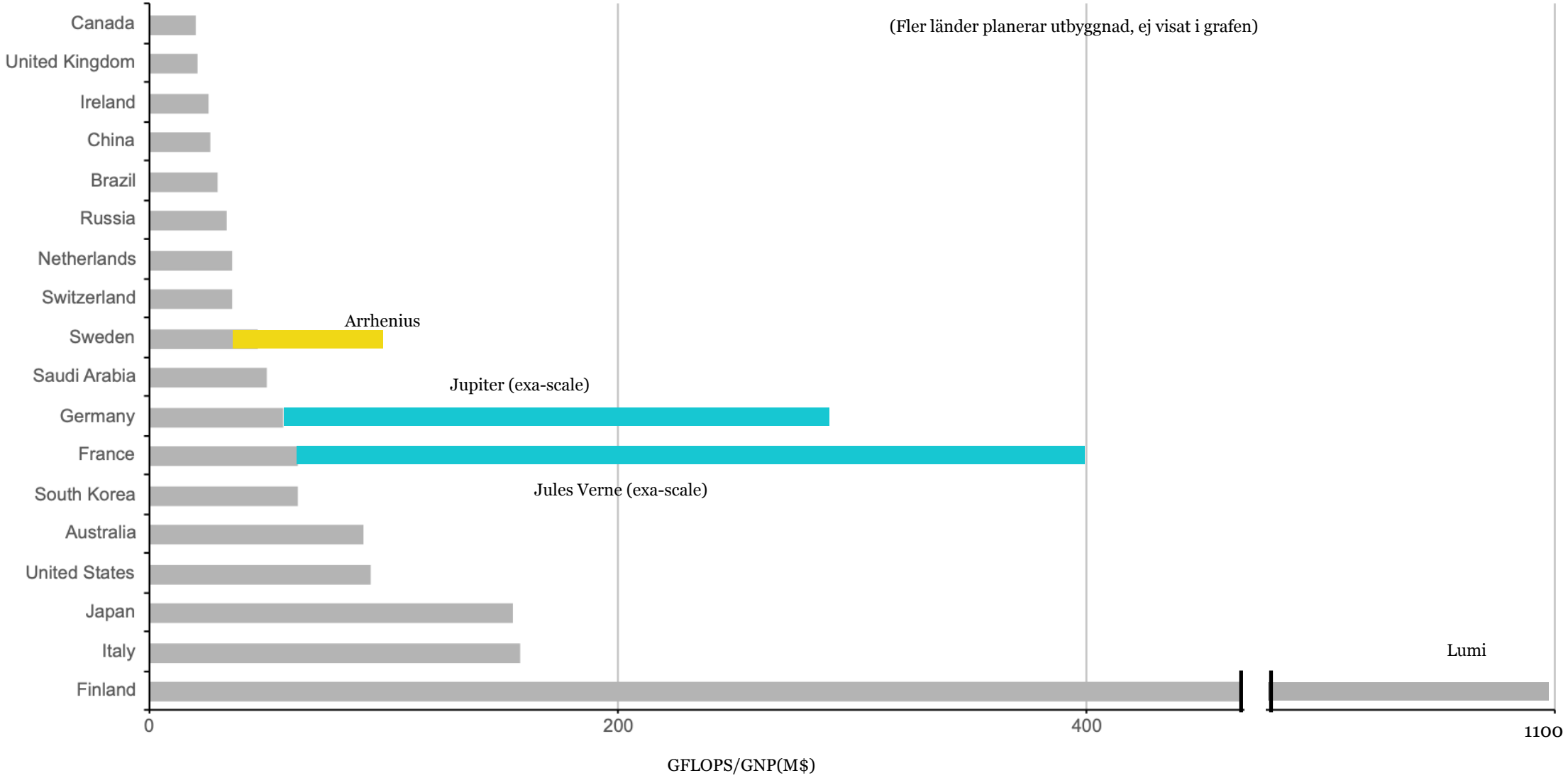
SEK drop of 20%.

Higher electricity prices.

Government funding of SNIC-NAISS was unchanged for a long time.



Computational Capacity GFLOPS/GNP(M$)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