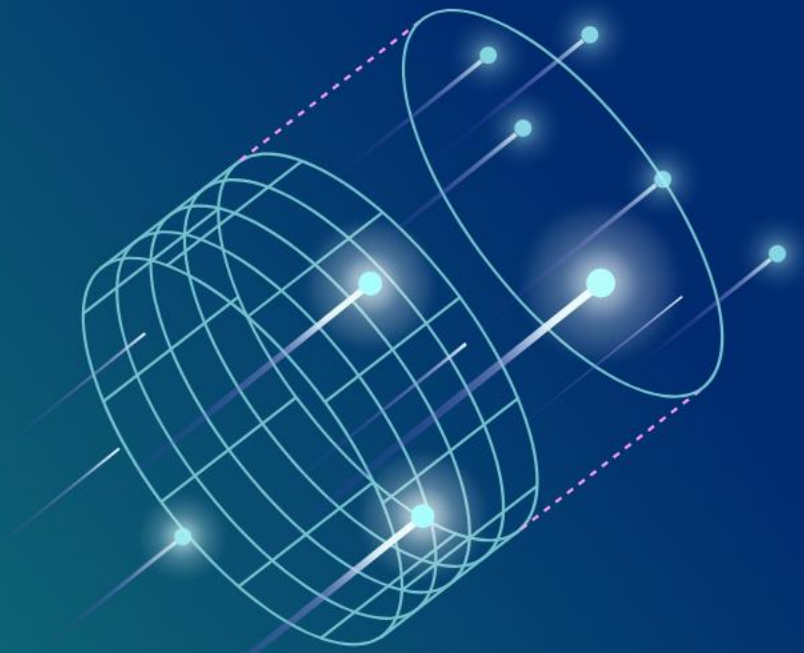
EUROPEAN BIG DATA VALUE FORUM

EuroHPC TRACK

How HPC can boost sustainable development and strengthen competitiveness for Industry and SME



ORGANISED BY:

BDV BIG DATA VALUE ASSOCIATION

IN COLLABORATION WITH:

European Commission

Plan4all

VSB TECHNICAL UNIVERSITY OF OSTRAVA | IT4INNOVATIONS NATIONAL SUPERCOMPUTING CENTER

UNDER THE AUSPICES OF:

EU2022.CZ

Dan Still
Partnerships Manager
CSC - IT Center for Science Ltd.

Building sustainable partnerships between industry and academia in Finland and Europe with a focus on supporting SMEs.

Non-profit state organization with special tasks

Turn over in 2021 (estim)

56,4 M€

Headquarters in Espoo, datacenter in Kajaani

Owned by state (70%)

and all Finnish higher education institutions **(30%)**

Circa

518

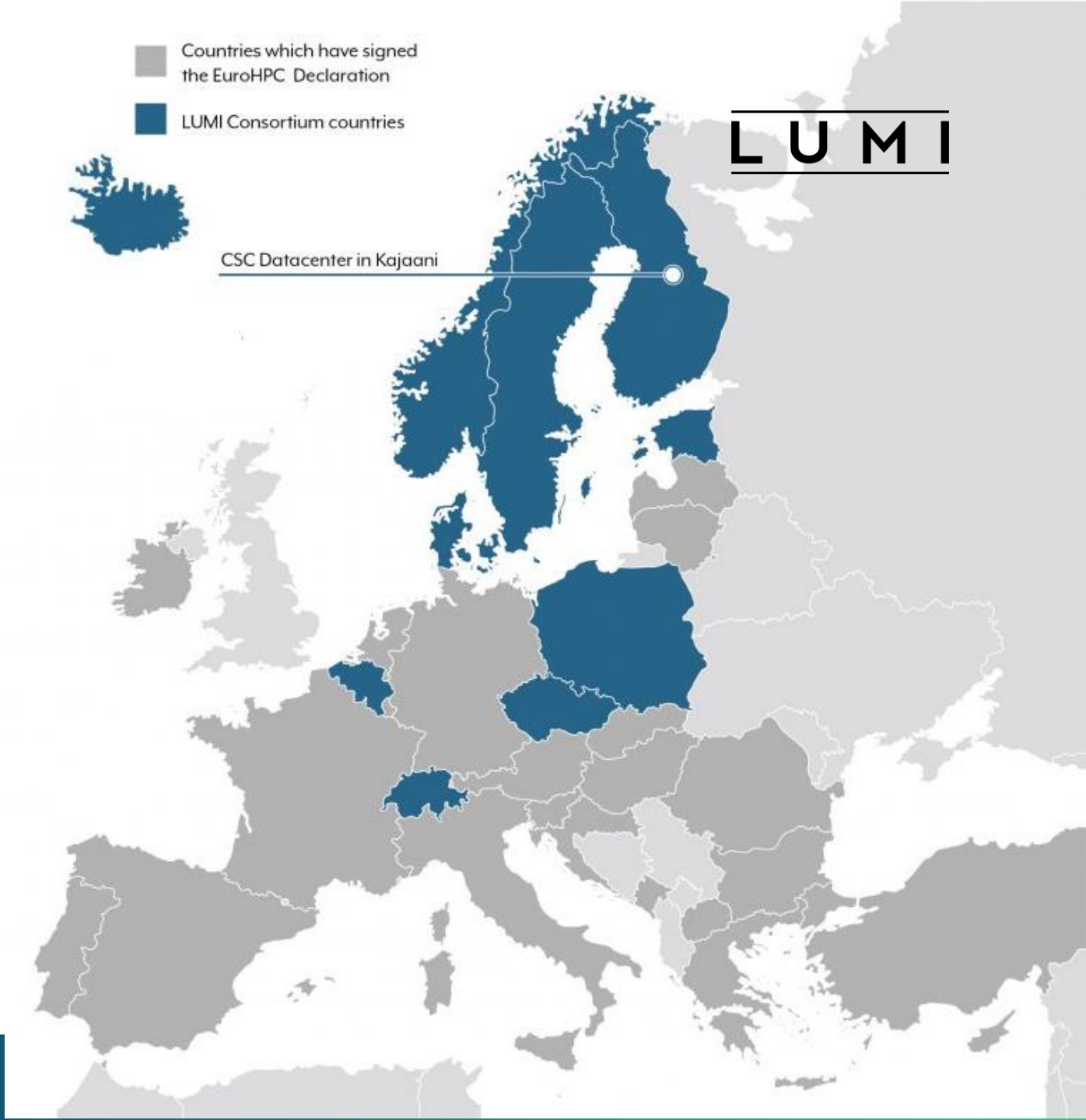
employees in 2022

LUMI is a
HPE Cray EX supercomputer
manufactured by

Hewlett Packard
Enterprise

LUMI Consortium

- Unique consortium of 10 countries with strong national HPC centers
    - Belgium, Czech Republic, Denmark, Estonia, Finland, Iceland, Norway, Poland, Sweden and Switzerland.
- The resources of LUMI will be allocated per the investments
- The share of the EuroHPC JU (50%) will be allocated by a peer-review process (cf. PRACE Tier-0 access) and available for all European researchers
- The shares of the LUMI partner countries will be allocated by local considerations and policies – seen and handled as extensions to national resources



EuroHPC Joint Undertaking

The acquisition and operation of the EuroHPC supercomputer is funded jointly by the EuroHPC Joint Undertaking, through the European Union's Connecting Europe Facility and the Horizon 2020 research and innovation programme, as well as the Participating States FI, BE, CH, CZ, DK, EE, IS, NO, PL, SE.

Leverage from the EU 2014–2020

European Union
European Regional Development Fund

REGIONAL COUNCIL OF KAINUU

EURO

What can LUMI do for business?

Cooperation between Universities and research institutes

Competence development Supported by domain experts and data management services

Opportunity for business growth

World-class cost-effective computing and data processing capacity

Data management services Data securely in Finland

Reliable and efficient network connections

Collaboration

ABB
CLEANERGY
DELTAMARINE
EATON
FORESHIP
AT THE SHARP END
innoluce
KONE
KONECRANES
NOKIA
outokumpu
POSIVA
SKANVEIR
TRAFOTEK
VAISALA
VTI TECHNOLOGIES

SHAPE
SME HPC Adoption Programme in Europe
DISIOR Analytics
WB-Sails

BUSINESS FINLAND
EURO
GROKE
inscripta
Speechly

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Thank you!

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