DEIC CONFERENCE 2026

Sovereign Cloud, AI, and Sustainability

DeiC Interactive HPC · UCloud

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ACT 1 Cloud and AI Service

ACT 2 Sustainability

ACT 3 Sovereignty

02 · LAST 3 YEARS

Users on the National Platform

8,000

THREE YEARS AGO · OCTOBER 2023

27,000+

- One login, 8 universities
- National service since 2019
- New contract since May until 2031

One national platform

27,000+ users

Operated by the Interactive HPC Consortium

AALBORG UNIVERSITY

AARHUS UNIVERSITY

SDU University of Southern Denmark

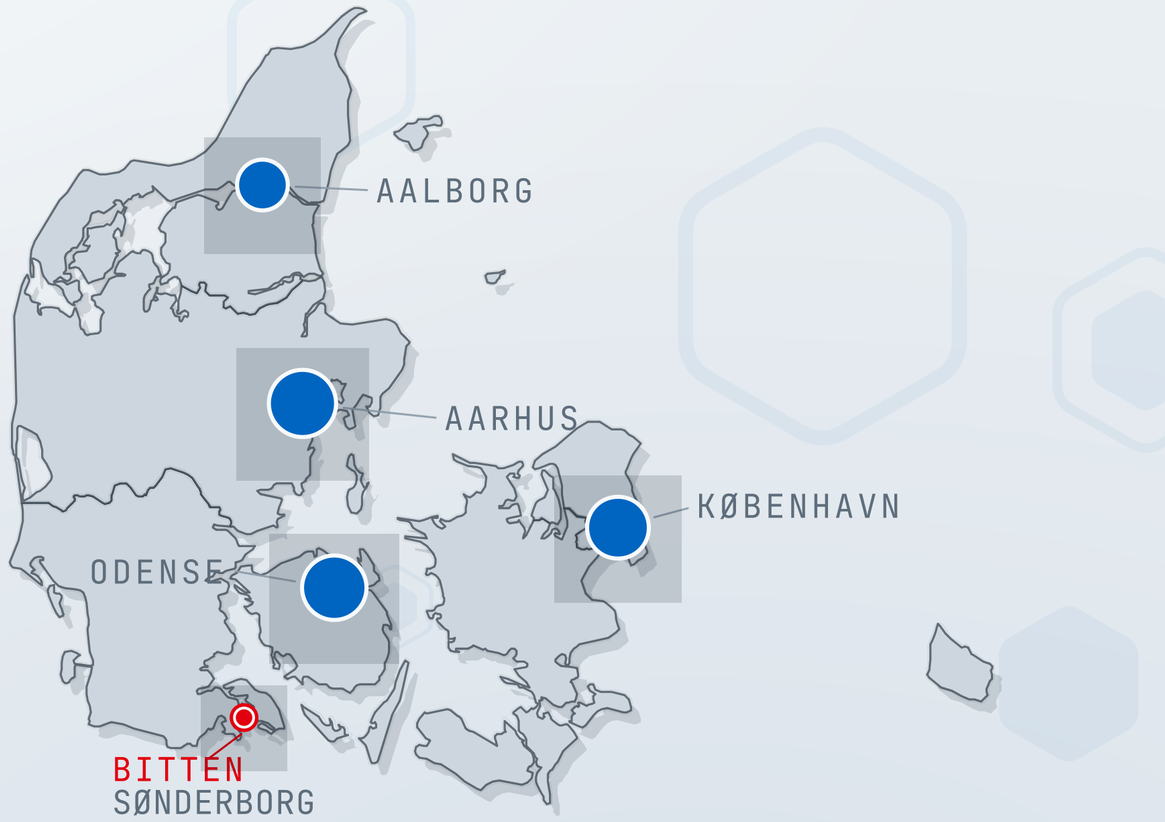
04 · WHO

All eight universities — and their partners

27,000+ users

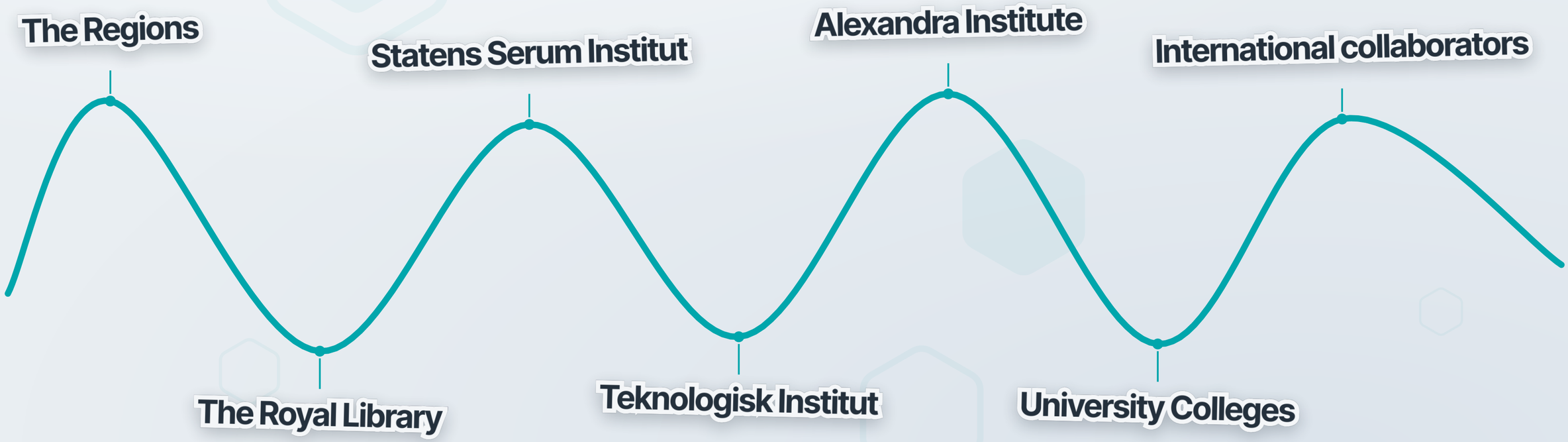
Users by home organisation, as of October 2026.

HOME ORGANISATION	REGISTERED USERS
AU	7,755
SDU	7,214
AAU	4,299
KU	2,339
CBS	2,153
RUC	879
ITU	620
DTU	320
OTHER	1,421



Outside the universities

Sensitive data in the regions, the Royal Library, Statens Serum Institut, University colleges, GTS institutes. Not only research, also teaching.



06 · VOLUME AND BREADTH

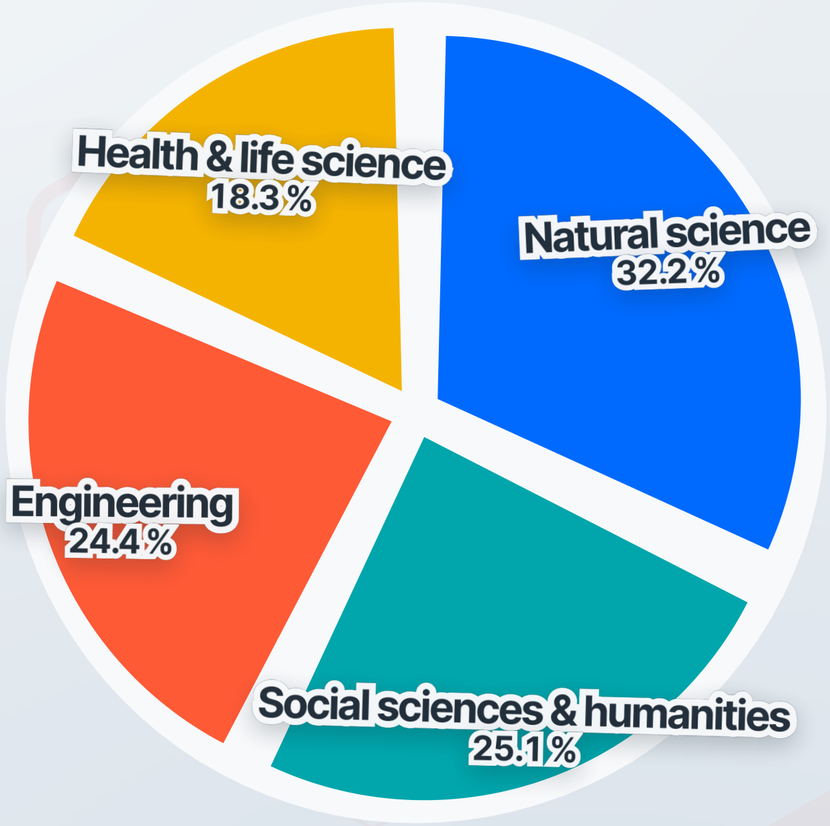
Every field, hundreds of cases.

One platform, and the register keeps moving.

+850 new projects

since May 2026 · 3,850 in total, October 2026

3,300+ new users over the same period



UTILIZATION

>90 %

average, all physical hardware

2.65×

the national allocation

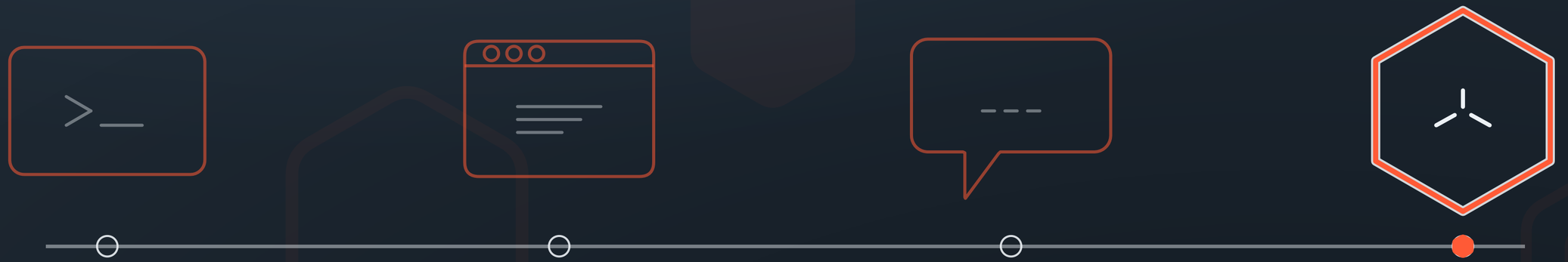
One national platform



08 · WORKLOADS MOVE

The workloads will not stand still.

Three generations in one platform's life — and the platform had to move with them.



What we are building next

Dataset archival

DATA LIFECYCLE

DataCite metadata · an ARK from UCloud · a DOI from PURE · public download

UCloud CLI

INTERFACE

seven command areas · tab completion · one-command install · auto-update

Kubernetes on demand

COMPUTE

K3s on VMs · dashboard for logs, shells, upgrades · hourly etcd backups · disaster recovery

Custom Apps

EXTENSIBILITY

fully custom applications · file editor with an integrated terminal · container registry

Policies for Sensitive Data

GOVERNANCE

policies for sensitive projects

PRESENTING **UCLOUD AI**

Sovereign AI for Danish research.



Your research is never training data.

Run large language models on your own data, in your existing UCloud project, with your university login. Every token is computed in Denmark, and your data is never used for training.

INFRASTRUCTURE PARTNERS

Danfoss HPE DCAI

2.86 M

REQUESTS

2.73 M chat · 124.8 k API responses

182.1 B

TOKENS

computed on Bitten

180

ACTIVE USERS

researchers and students

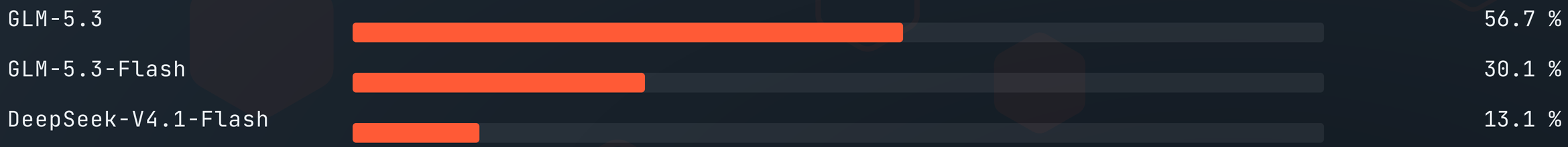
Chat and API traffic since launch — and the mix, by tokens.

OF ALL TOKENS PROCESSED, CACHED INPUT

NOT CACHED



MODEL MIX · SHARE OF TOKENS



MODEL SHARES ROUNDED

Growth is exponential. The only way to scale is sustainably.

Danfoss brought the technology; Sønderborg gave us a place committed to CO_2 neutrality.

DANFOSS, AS PARTNER — THE METHOD

01

Reduce

27,000+

users sharing one infrastructure — the best way to cut waste

02

Reuse

500,000

kWh a year into district heating

03

Re-source

100 %

renewable electricity

SDU University of Southern Denmark

Danfoss

HPE



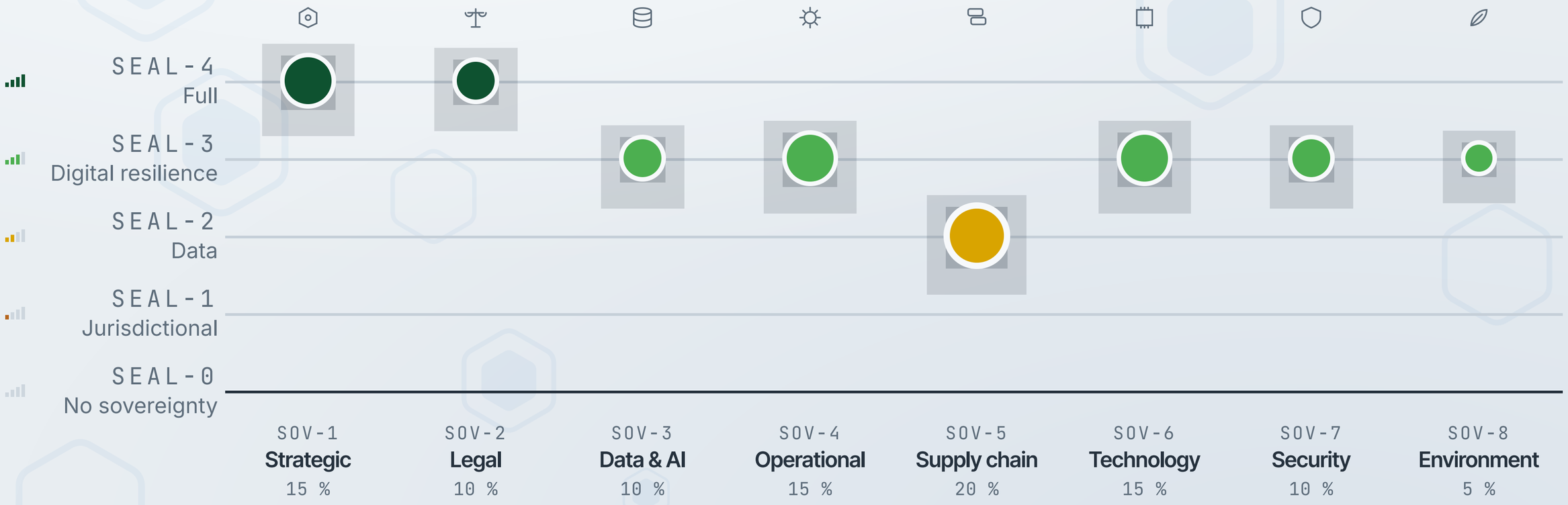
500,000 kWh
into district heating, per year

1.19
PUE, with heat recovery

–79 %
CO_2 in Sønderborg, ProjectZero

100 %
renewable electricity

Towards full sovereignty in Denmark/EU



Sovereignty cannot be rented.
It must be built.



SOVEREIGN · SUSTAINABLE · SHARED

AI.ESCIENCE.SDU.DK

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