

Annex 3b. SPE-like resources

The following information is from the National progress reports of VALO2, in combination with desktop research:

DENMARK

[The Secure Research Platform - The Danish Health Data Authority](#)

FINLAND

There are several Secure Processing Environments in Finland for analysing social and health data. According to the Finnish Act on Secondary Use, Findata has issued a regulation on the requirements set for these environments. The analysis of data at individual level is only permitted in environments that meet the requirements of the regulation. The Finnish Supervisory Agency maintains the public Astori register that lists registered regulatorily compliant operating environments: [Astori register under the Client Data Act and the Secondary Use Act - Finnish Supervisory Agency](https://lrv.fi/en/healthcare-and-social-welfare/operating-environments)

- **Auria's Atolli**
 - Provider of the environment: Auria Health Data Services of The wellbeing services county of Southwest Finland (Varha).
 - Read more: <https://www.auria.fi/tietopalvelu/en/atolli/>
- **FIMM Sandbox**
 - Provider of the environment: University of Helsinki
- **FinnGen Sandbox**
 - Provider of the environment: University of Helsinki
 - Read more: <https://sandbox.finnngen.fi/>
- **FIONA**
 - Provider of the environment: Statistics Finland
 - Read more: <https://stat.fi/en/services/services-for-researchers/instructions-for-researchers/using-the-datasets/fiona-remote-access-system>
- **HUS Acamedic**
 - Provider of the environment: HUS Helsinki University Hospital.
- Read more: <https://acamedic.fi/en/Kapseli>
 - Provider of the environment: Findata – Finnish Social and Health Data Permit Authority
 - Read more: <https://findata.fi/en/kapseli>
- **SD Desktop**
 - Provider of the environment: CSC – IT Center for Science
 - Read more: <https://research.csc.fi/sensitive-data/sensitive-data-sd-services-for-research/>
- **SECDATA**
 - Provider of the environment: Aalto University

- Read more: <https://www.aalto.fi/en/services/secure-operating-environment-for-sensitive-data>
- **SPESIOR**
 - Provider of environment: ESiOR Oy
 - Read more: <https://esior.fi/en/spesior-3/>
- **T3 Tutkijan työtila**
 - Provider of the environment: Istekki Oy
 - Read more (in Finnish only): <https://pirha.fi/ammattilaiselle/tutkimus/tutkimus-ja-opinnaytetytoluvat/rekisteritutkimukset/kuinka-tilaan-tutkijan-t3-tyotilan>

ICELAND

[Microdata service - Statistics Iceland](#)

NORWAY

There are several infrastructures available in Norway today: HUNT Cloud (Norwegian University of Science and Technology), SAFE (University of Bergen), TSD (University of Oslo) (all part of the NORTRE collaboration). But how such infrastructures are to meet the EHDS requirements on SPE is still to be determined.

SWEDEN

According to final report on government assignment to Statistics Sweden (SCB)¹.
Translated from Swedish to English by web-translation tool.

Brief facts about the respective environment

Vesta

Principal of the environment: Uppsala University

VESTA is a university-affiliated secure research environment for storing, processing and analysing sensitive research data. The environment is particularly focused on health data, but is also used in other research areas where there is a need for a user-friendly and controlled analysis environment. VESTA 2.0 is under development and possibly the same hardware as in MAJA will be used to provide a Windows environment.

AIDA Data Hub

Principal of the environment: Linköping University

AIDA Data Hub is a national e-infrastructure for data-driven precision health, with a special focus on AI, medical imaging and life sciences. The environment combines secure data management with computational resources and support for advanced research and innovation projects.

¹ Uppdrag till Statistiska centralbyrån att utreda förutsättningar för att tillhandahålla säkra behandlingsmiljöer enligt EHDS, S2025/00975 (delvis), Slutrapport.

MIMER

Principal of the environment: Linköping University (NAISS)

MIMER is a Swedish AI factory and supercomputing infrastructure under construction, with the aim of strengthening Sweden's and the EU's capacity in AI and high-performance computing. The environment is focused on computationally intensive use cases and large data sets in areas such as health and life sciences.

Arrhenius SENS

Principal of the environment: Linköping University

Arrhenius SENS is a European supercomputing infrastructure located in Sweden and intended for computational intensive cutting-edge research in several areas. The environment is relevant for research projects that require very high computational capacity and can handle sensitive data through special secure solutions.

BIANCA

Principal for the environment: Uppsala University

BIANCA is a secure cluster and compute environment for projects that handle sensitive data within UPPMAX and will be replaced by MAJA. The environment is designed for research where high safety requirements need to be combined with high computational capacity and flexibility in the analysis work.

GMS (NGP) – Genomic Medicine Sweden (National Genomics Platform)

Principal of GMS: Region Skåne ; Principal of NGP: Västra Götaland Region

GMS is a collaboration between Sweden's seven regions with university healthcare and the seven universities with medical faculties in Gothenburg, Linköping, Lund, Stockholm, Umeå, Uppsala and Örebro. The National Genomics Platform (NGP) is Genomic Medicine Sweden's initiative to store, analyze and share genomics data in a secure and efficient way. The environment is particularly focused on precision medicine diagnostics, decision support, research and development work where genomics data is combined with other health data.

Säker forskningsmiljö (SFM)

Principal of the environment: Västra Götaland Region

SFM (Secure Research Environment) is a regionally anchored secure research environment for the management of research data throughout the life cycle. The platform has been developed for research within VGR, but is designed to be able to support collaboration with external research actors and future requirements for secure health data management.

Microdata online Access (MONA)

Principal of the environment: Statistics Sweden SCB

MONA is Statistics Sweden's platform for processing and analysing microdata. In MONA, users can make processing via the internet without microdata leaving Statistics Sweden.

Extended presentation available from SCB report. In the final report to the Swedish Government, SCB points at significant gaps in MONA in relation to expected requirements for an SPE according to the EHDS Regulation. SCB therefore advises against aiming for MONA as a formal SPE.

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