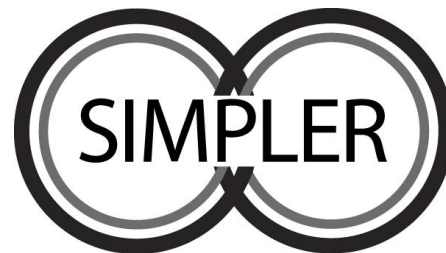


Insights into User Access to Omics and Clinical Data from a Cohort Study Using NAISS-SENS/Bianca

Anna-Karin Kolseth, PhD

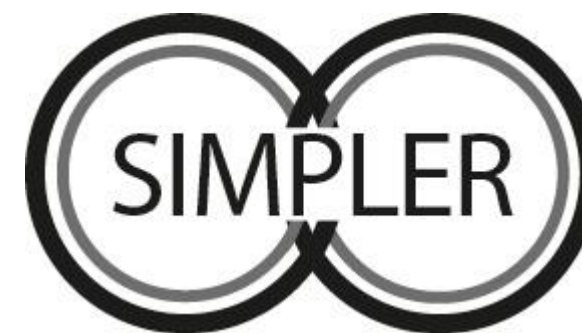
Administrative manager and project coordinator, SIMPLER



UPPSALA
UNIVERSITET



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UNIVERSITET



SIMPLER

Swedish Infrastructure for Medical Population-based Life-course and Environmental Research

www.simpler4health.se

A national research infrastructure supported by the Swedish Research Council

Karl Michaëlsson, Director



Karolinska
Institutet



CHALMERS



Region Uppsala

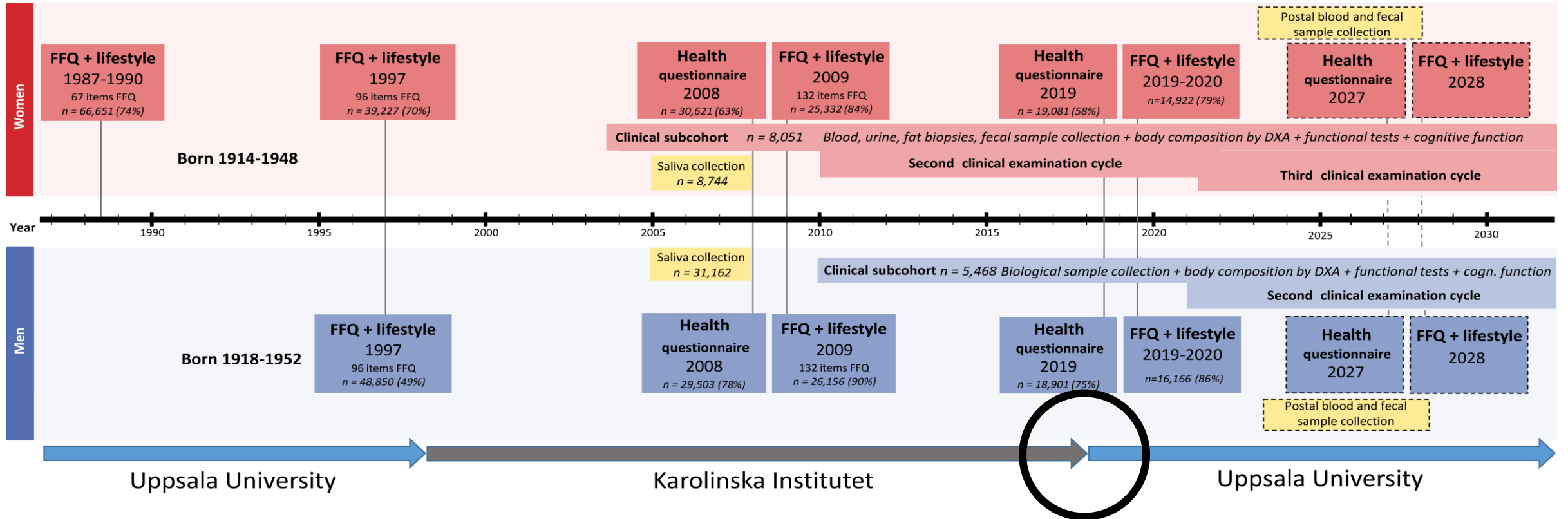


Region Örebro län



Region
Västmanland

SIMPLER 110 000 participants with sensitive data



Bianca

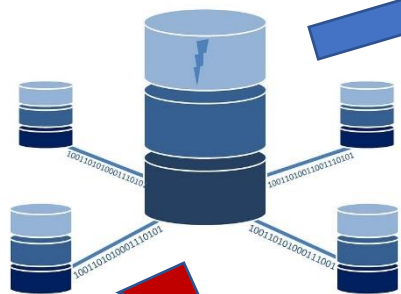
- Health and lifestyle questionnaires
- Register data
- Clinical measurements
- **-omics**
- ...

100 TB data/650 000 files and 25 freezers with ~1 million samples....

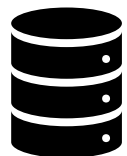
SIMPLER's data storage and delivery within NAISS-SENS/Bianca



Main data project
(100 TB)
Drag and drop

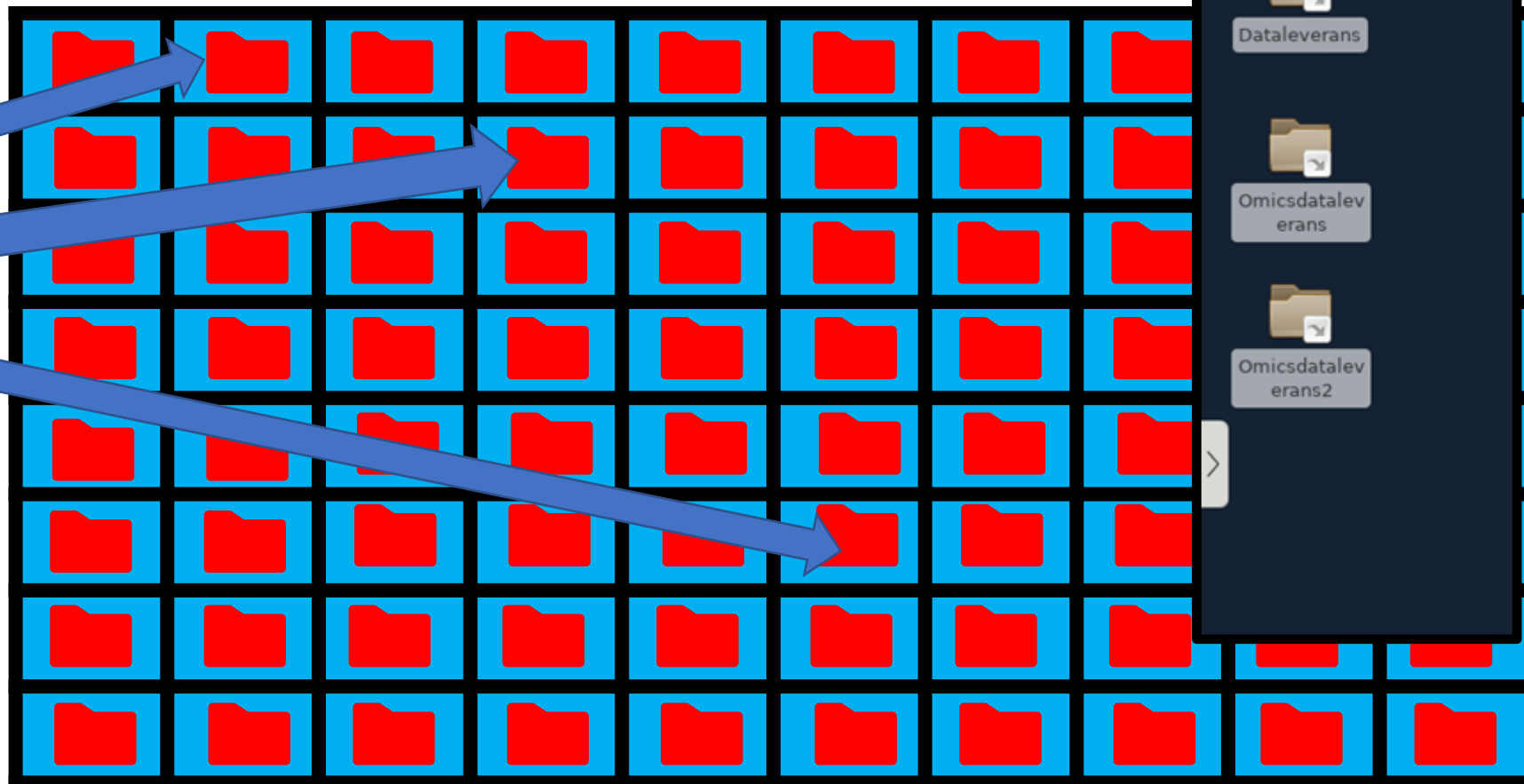


Pseudonymized data



Keys including personal registration numbers (two persons with access)

Different separated research projects



SIMPLER users in Bianca

- An approved SIMPLER project
- PuBA for non-Uppsala University users
- Proposal in NAISS-SUPR approved by admin at SIMPLER
- ~60 ongoing projects on Bianca

Start / Rounds / NAISS SENS Rounds

NAISS SENS Rounds

There is more than one open or pending round of this type. Select one of them below:

<p>COPE 2024</p> <p>This round is only for research projects that already have an approved research project with COPE.</p> <p>Go to COPE 2024</p>	<p>NAISS SENS Medium 2024</p> <p>This NAISS-SENS round is for medium-scale projects involving sensitive personal data on the Bianca system. For projects requiring less than 20 TB of storage or 10 kch/month of compute, please see the SMALL round.</p> <p>Please read the detailed instructions here to ensure a successful application.</p> <p>Note: If the PI is not affiliated with Uppsala University, it is the PI's responsibility to establish a Data Processing Agreement (<i>personuppgiftbiträdesavtal</i>) with Uppsala University? (see this FAQ for instructions)</p> <p>See further information.</p> <p>Go to NAISS SENS Medium 2024</p>	<p>NAISS SENS Small 2024</p> <p>This NAISS-SENS round is for small-scale projects involving sensitive personal data on the Bianca system.</p> <p>Detailed instructions on how to apply can be found here.</p> <p>For a SENS Small project, the abstract should include a brief description of the planned work and a clear statement that the work involves sensitive personal data. A short motivation of the requested resources is also appropriate.</p> <p>If the PI is not affiliated with Uppsala University, it is the PI's responsibility to establish a Data Processing Agreement (<i>personuppgiftbiträdesavtal</i>) with Uppsala University? (see this FAQ for instructions)</p> <p>See further information.</p> <p>Go to NAISS SENS Small 2024</p>	<p>SIMPLER 2024</p> <p>This round is only for research projects that already have an approved research project with SIMPLER.</p> <p>See further information.</p> <p>Go to SIMPLER 2024</p>
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Cons and Pros

- **The linux environment is experienced as non-user friendly – HIGH INSTEP**
- High instep to create an account and send proposal -> clear instructions
- High instep for infrequent users
- Need to use Swedish VPN/Swedish network/
- SIMPLER round copy of SENS round
- Secure
- Delimited projects
- National Swedish infrastructure
 - **Available solution**
 - **Accessible**
 - Support
 - Maintenance
 - Development

SIMPLER

- Karl Michaëlsson, Director
- Alicja Wolk, Vice Director
- Anna-Karin Kolseth, Administrative manager and project coordinator
- Niclas Håkansson, Statistician/Database administrator (KI)
- Marina Mola-Caminal, Director SIMPLER biobank
- Caesar Al Jewari, Bioinformatician
- Sergi Sayols, Bioinformatician
- Frida Carlsson, Dietician
- Wen Liu, Lab technician
- Diem Nguyen, Administrator

- Research nurses
 - Uppsala: Carina Fredriksson
 - Västerås: Angelica Norling, Marie Stenius-Svensson
 - Örebro: Anna Messing Eriksson