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The Swedish biobankregister (SBR)

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Background

- SBR is the regions' common IT system with information about biobank samples
- The previous version of SBR needed to be upgraded
- 2020 a Municipal Collaboration Agreement was signed between the regions'
- Biobank Sweden IT was created
 - A dedicated in-house development team was recruited

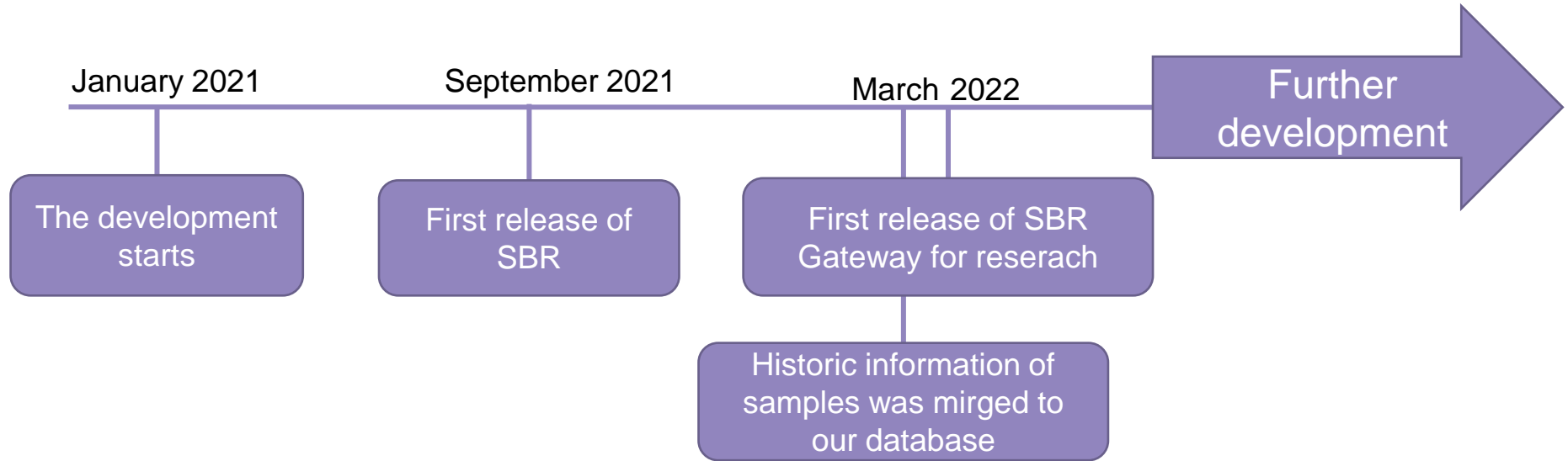


Purpose of SBR

- Increase the usage of samples stored in the Swedish biobanks
- Make it easier to apply for access to biobank samples
- Make it easier to meet the demands of the Biobanks in Medical Care Act (traceability and consent management)
- Give biobank employees support in their administrative work



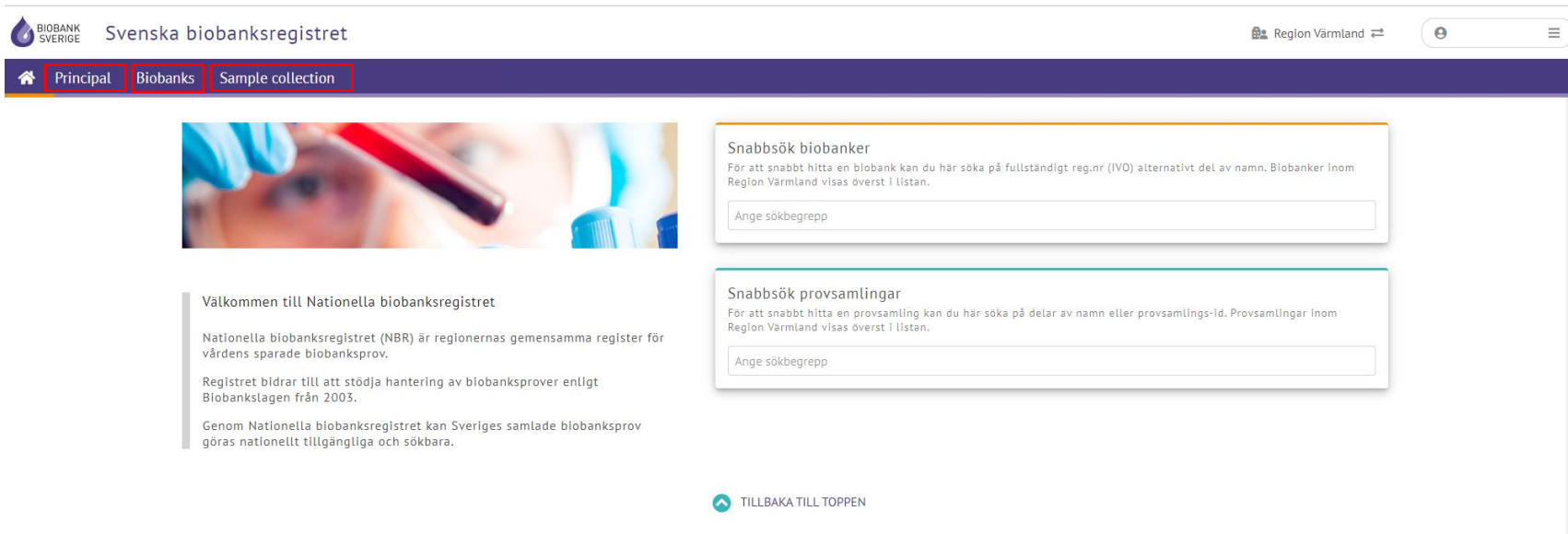
Timeline- milestones



First release of SBR

The first version of SBR was released in september 2021.

<https://sbr.biobanksverige.se>



The screenshot shows the homepage of the Svenska biobanksregistret. At the top left is the logo for BIOBANK SVERIGE. The main navigation bar includes 'Principal', 'Biobanks', and 'Sample collection'. The page features a large image of a person in a lab coat and mask, and a search bar for 'Region Värmland'. Two search boxes are visible: 'Snabbsök biobanker' and 'Snabbsök provsamlingar', both with a search input field and a 'TILBAKA TILL TOPPEN' button at the bottom.

BIOBANK SVERIGE Svenska biobanksregistret Region Värmland

[Principal](#) [Biobanks](#) [Sample collection](#)

Välkommen till Nationella biobanksregistret

Nationella biobanksregistret (NBR) är regionernas gemensamma register för världens sparade biobanksprov.

Registret bidrar till att stödja hantering av biobanksprover enligt Biobankslagen från 2003.

Genom Nationella biobanksregistret kan Sveriges samlade biobanksprov göras nationellt tillgängliga och sökbara.

Snabbsök biobanker
För att snabbt hitta en biobank kan du här söka på fullständigt reg.nr (IVO) alternativt del av namn. Biobanker inom Region Värmland visas överst i listan.

Ange sökbegrepp

Snabbsök provsamlingar
För att snabbt hitta en provsamlning kan du här söka på delar av namn eller provsamlings-id. Provsamlningar inom Region Värmland visas överst i listan.

Ange sökbegrepp

[TILBAKA TILL TOPPEN](#)

An easy way to find samples



- We need an easy way to find samples
- Biobank samples can be useful in various research projects.

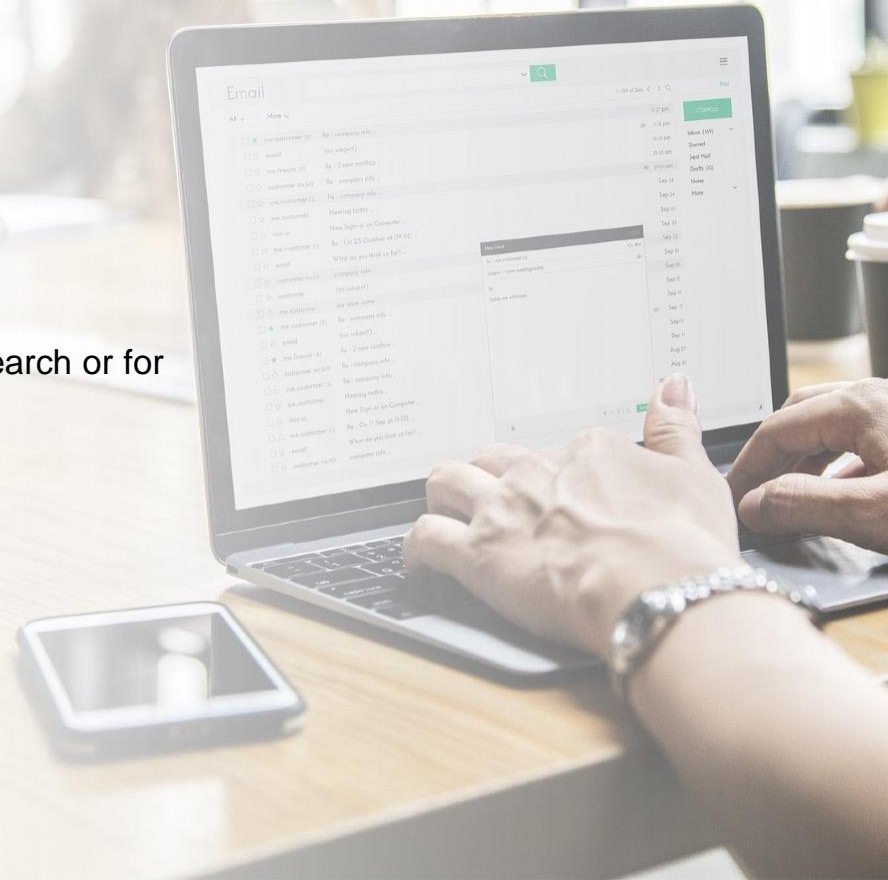
To achieve that

We need to get information about biobank samples in SBR

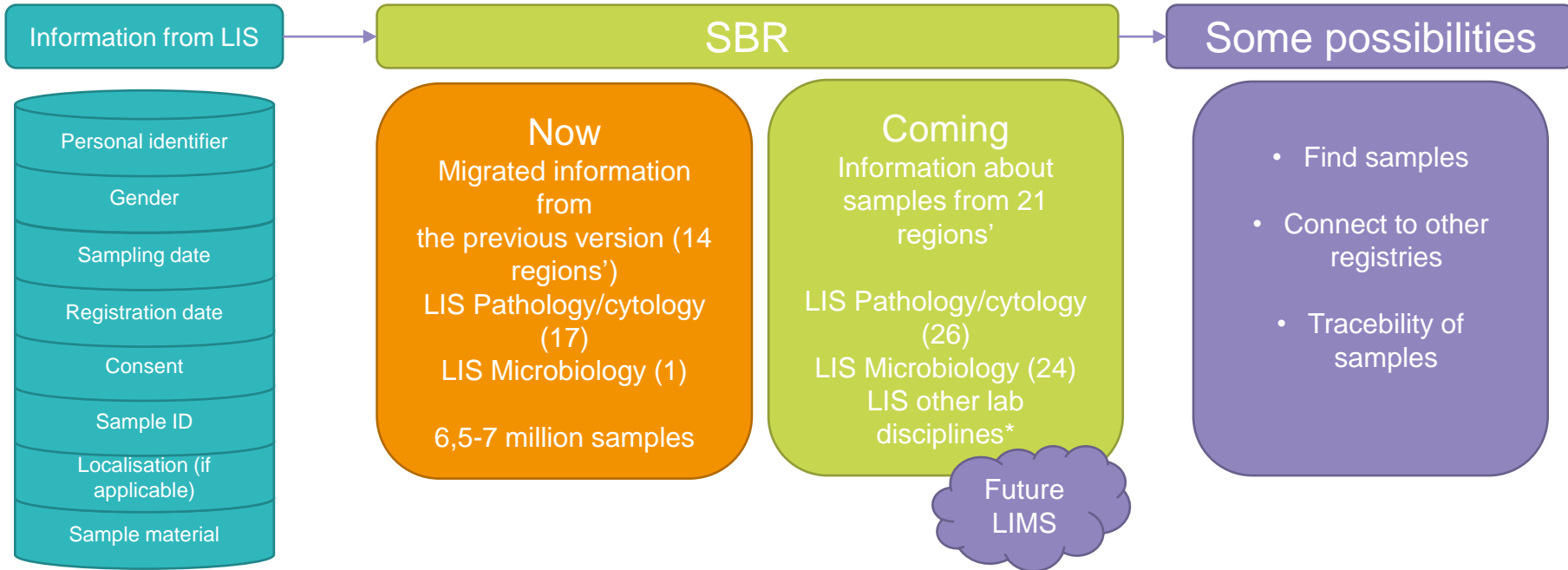
The primary goal is to obtain information about samples collected for healthcare and stored in the regions' biobanks.

Connect LIS to SBR

- Laboratory information system (LIS) → SBR
- SBR may only contain information that is relevant for research or for the healthcare
- In 2022, we plan to connect our first LIS to SBR



Information about samples in SBR



*For example: Chemistry, genetics, virology, immunology

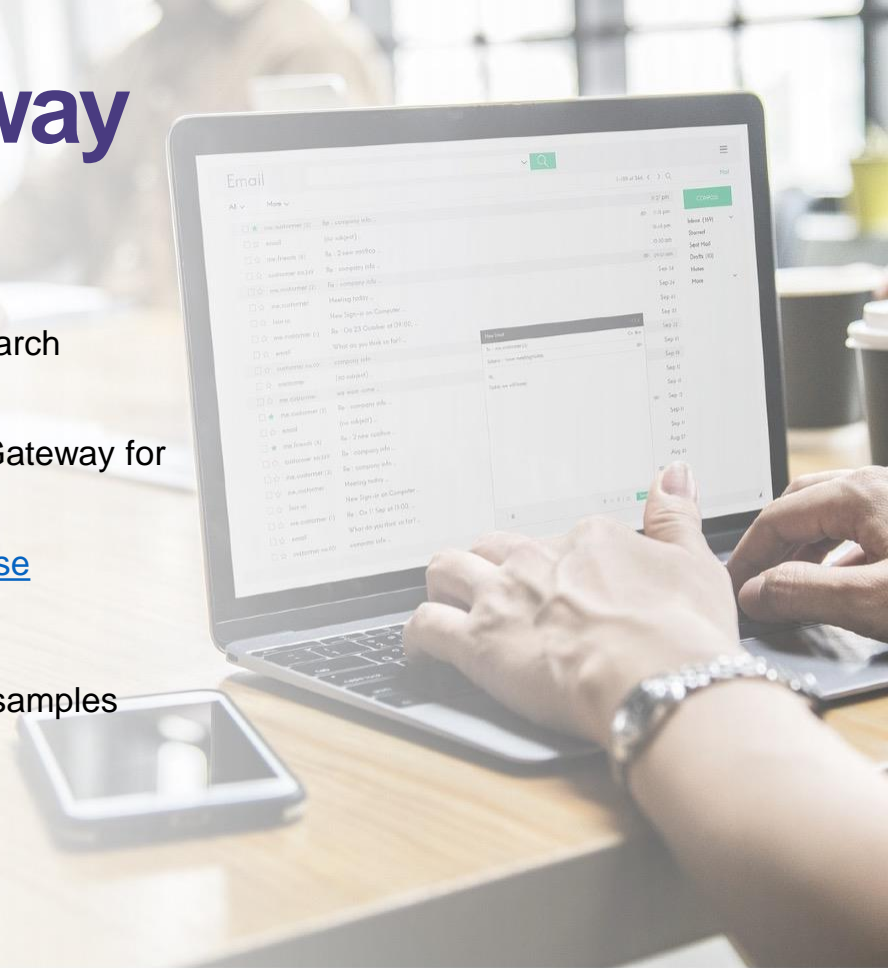
Release of SBR Gateway for research

The first step to find samples for research was to build a search function that can answer a feasibility question.

We released our first search function in spring 2022, SBR Gateway for Research (SBR Ingång för forskning).

Link to the application: <https://forskning.sbr.biobanksverige.se>

Today, the search function only contains information about samples from the previous version of SBR.



Sök prover

Provgivare

ÅLDER VID PROVTAGNING (ÅR)

till år

ÅLDER VID SÖKNING (ÅR)

till år

KÖN

Provegenskaper

REGISTRERINGSDATUM (FROM-TOM)

TOPOGRAFIKODER

PROVMATERIAL

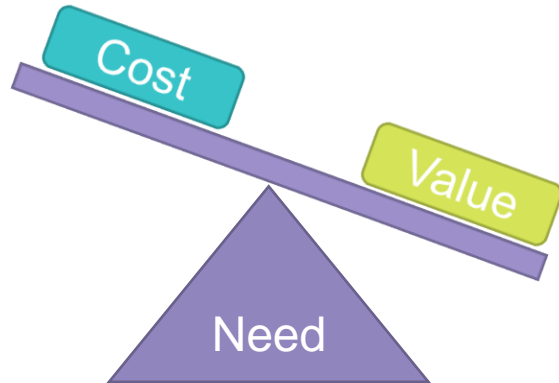
HUVUDMAN	ANTAL PROVER	 Excel
Region Gävleborg	15 000 - 20 000	▼
Region Kalmar län	90 000 - 95 000	▼
Region Kronoberg	2 000 - 2 500	▼

Further development

- Connect LIS to SBR to get more information about samples in the system so the samples in the Swedish biobanks can be found and used.
- Make the handling of consent matters from citizens easier for the biobank employees.
- Make the process easier for the citizens to send in a consent matter to the biobank.
- Make the process easier for researchers to get access to samples for use in studies.



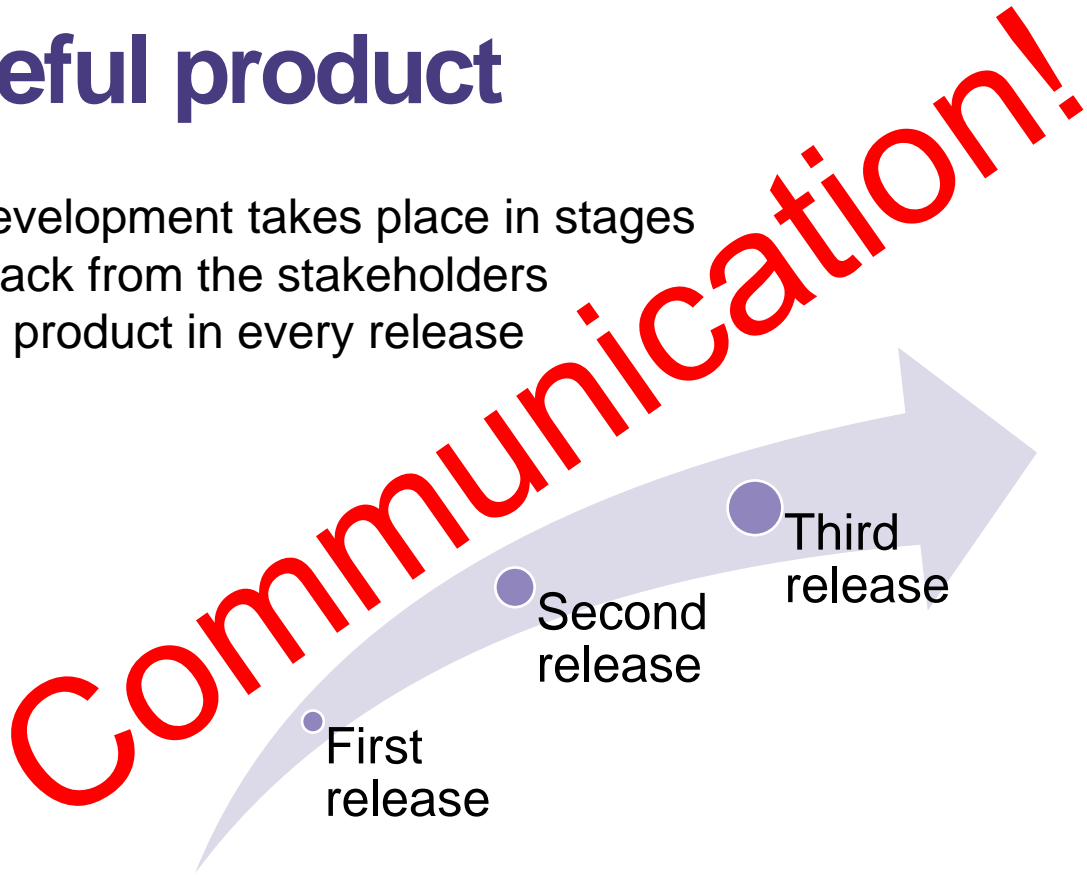
Agile working process



If the value to the stakeholder is higher (heavier) than the cost, development begins

A useful product

- The development takes place in stages
- Feedback from the stakeholders
- Useful product in every release



Thank you!

For further information:

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