# SweFreq NG

## Product owner

Johan Rung, SciLifeLab Data Office

## Project lead

Niclas J (Team: Johan V, Andreas K)

## Goals / Success metrics

- Establish a web resource that
  - Allows download of several data set allele frequencies (after user identification and registration)
  - Allows separate description of, and terms of use for, each dataset
  - Provide identification by ELIXIR ID
  - Allows browsing the frequency data in a graphical browser, both for GRCh37 and GRCh38
  - Provides GA4GH Beacon access to the frequency data (dependent on ELIXIR Beacon project)
  - Is compatible with the SciLifeLab graphical profile
- Provide documentation on how datasets should be formated

## Out of scope

- Allowing controlled access to the individual data
- Automated generation of frequency datasets from raw data
- Combination of more than one dataset

## Key stakeholders

### External

- Sverker Lundin, SciLifeLab Nat. proj. coordination - C
- Per Kraulis, Data Office - C
- Hanna Kultima, Data Office - C
- Adam Ameur, SweGen - I
- Patrick Sullivan, Exac data - I

### Internal

- NBIS managers - I
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| Related projects/activities | Estimated resources |
|---|---|
| • ELIXIR Beacon project | 1-2 PM ??<br>(Johan R is looking at getting funding from SciLifeLab for future maintenance) |

| Data<br>*Background/observations that has caused us to want to start a project/activity* | Insight<br>*Insights gathered from the Data* | Belief<br>*Beliefs grounded in the Insights* | Bet<br>*Suggestions for addressing the Beliefs* |
|---|---|---|---|
| SweFreq has been established as a platform to publish variant frequency data from human WGS datasets.<br><br>The SciLifeLab national projects, as well as other Swedish research projects, will produce human WGS datasets from which they want to publish variant frequency data. | The SciLifeLab national programmes data sets should be made available to the research community.<br><br>It is currently outside of the capability of the reference population project or Scilifelab centrally to provide a stable access to the allele frequency data. | As NBIS promotes Open Access, and want to maximize the impact of the resources spent on national platforms, a web resource to allow access to the reference population allele frequency data should be established. | Modify the established SweFreq web resource so that it allows access to several variant frequency data sets produced by the SciLifeLab national programmes, and other Swedish research projects. |