



**SPI plan for a research group  
within bioinformatics**  
*by Fredrik Haaland*



## Context description:

- **Group of 4 persons, working with big-scale analysis of genome data.**
- **Software facilitates use of different statistical og biological tools for hypothesis testing and analysis.**
- **Tools are made avalible through a web-service, used by own biological professors and international users.**
- **Also works on external cooperative projects and publishes articles.**



# Context description cont'd:

**Groupmembers has delegated expert-areas amongs themselves and are working on two main processes**

**1# Maintaining the service itself**

**{user-control, data access, improving interfaces, gaining new genome data }**

**2# Building the tools**

**{communicating with the users to improve existing tools and developpe new ones }**



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## Method :

### **# Generic process modelling**

{subprocesses involved in working on a tool}

### **# The first three phases in the PROFES improvement cycle**

{characterization, setting goals and planning}

### **# Also, some concerning the last three**

{execution, analysis, packaging}



# Issues :

**#1 Coordinating «a meeting» where all members are both available and focused on a common project.**

**#2 Initial project estimation is often not good enough - some resources often should have been used at other, more important areas.**

**#3 The number of obligations comes in the way of reaching over other deadlines. It is difficult to make room for other tasks, that the members share in common.**



## Goals :

**#1 Make it possible, in a weekly schedule, to easily make room for at least one (1) urgent meeting, of an one hour period, only by rescheduling.**

**#2 Improve no. of important areas in the finished tool, by 10%.**

**#3 Making coordination easier, in the way of gaining better control over own obligations, that will ease a 30day work-estimation by at least 10%.**