

Discussion Group 1b - Are there any stages of the scientific software lifecycle that are fundamentally different/novel from the lifecycle for other software?

Members of Group

- , Facilitator

Instructions

We will split into small groups to discuss the topic of software lifecycles models for scientific software.

This group should start by addressing the following question:

- ***Are there any stages of the scientific software lifecycle that are fundamentally different/novel from the lifecycle for other software?***

Each group should nominate a facilitator who will take notes in this Google Doc and keep discussion flowing.

Your aim as a group is to:

- (Briefly) share the knowledge that you have on this topic with the rest of your group
- Record any good examples that inform the discussion
- Record any places where you think further research or experiences are required to understand the topic
- Summarize what you think it is important to understand about this topic

In the wrap-up session, each group will be asked to summarise their discussions and report them to the rest of the workshop.

If you think you have completed discussion of your question, please feel free to move on to one of the other questions:

1. Do any commonly identified software lifecycles from industry / open source work well for particular types of scientific software projects? If so, how can these projects be characterised?
2. Are there any metrics that help us understand which software development model we should choose for a particular type/size of scientific software project?
3. What aspects of the software engineering lifecycle process are difficult for your projects and why?

Notes