

## Working group setup for off-site event 21/4

### Research question:

How can we measure sustainability of a software product?

### Participants:

Around 4 groups with 7 participants in each group. 3-4 people will join online

### Instrumentation and data collection:

- Give a presentation of our research and an introduction to software sustainability
- Mentimeter questions
- Group discussion questions

### Procedure:

#### 1) *Preparation phase:*

Give a presentation about our research study on the topic of software sustainability. Explain what we have found so far and what we are doing in the next coming months. Give participants an understanding of what software sustainability is. Presentation can be found [here](#).

#### 2) *Questions for participants via Mentimeter:*

The objective of this phase is to receive metrics suggested by participants. To collect data, open-questions will be given on **Mentimeter** about software sustainability during the presentation.

- Q1: How would you define software sustainability?
- Q2: What metrics can be useful to measure the sustainability of a software (think about the whole application lifecycle)?

#### 3) *Questions in groups:*

The objective of this phase is to have a discussion between participants as a first step to get their point of view of assessing software sustainability. Their initial ideas of metrics they thought of in step 2 might be changed or refined through the discussion.

- Q3: What metrics are important to measure the sustainability of an application?
- Q4: When can you consider an application sustainable?

Metrics will be written on post notes that groups will put on a flipper.

#### 4) *Discussion:*

Post it notes will be discussed and the reasoning behind the chosen metrics.