### Assessing the State of the Practice for Domain X

## **Introductory Meeting**

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### Interactions with Domain Experts

- Introductory Meeting
- Measuring
- Concluding Meeting

# About this Meeting

- Introductory Meeting
  - Overall Objective
  - Research Proposal
  - Research Questions
  - Vetting the List of Candidate Software
  - Publication
  - Schedule & Team
  - ► Introducing the Next Steps
- Measuring
- Concluding Meeting

### Overall Objective

"What is needed to produce  $\{\text{software} + \text{artifacts}\}$  sustainably?"

#### Objectives And Research Questions

- Definitions
  - software
  - artifacts
  - {software + artifacts} softifacts
  - sustainable softifacts
- What softifacts, in addition to the code, are needed?
- What software engineering principles, processes and methodologies should be employed?

# Research Proposal

Research Proposal

### Research Questions

#### Objectives And Research Questions

- To investigate
  - knowledge
  - principles, processes and methodologies
  - software qualities
  - the necessary investment of time and energy
- What are the "pain points" for developers working on SCS projects?
- What aspects of the existing processes, methodologies and tools do they consider could potentially be improved?

## Vetting the List of Candidate Software

#### Medical Imaging Software List

#### Task:

- What do you think of the list of the selected software?
- Is there any software you would like to remove from or add to the list?

### **Publication**

- Where should we publish this paper?
- Who are our targeted readers?

### Schedule & Team

- Project timeline
- Schedule for concluding meeting
- ... extra members from your team, each working ... hours per week for ... weeks.
- Any other experts?

# Introducing the Next Steps

- Introductory Meeting
- Measuring
  - Vetting the Domain Analysis
  - ► Measurement Template
  - Survey for Short List Projects
  - Usability Tests
  - Modifiability Experiment
- Concluding Meeting
  - ► First AHP Ranking
  - Final AHP Ranking