

# WP5 – „The Design Phase“

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# Work Package 5



- ❑ Dedicated to the two design steps of the PREFORMA software development process
- ❑ WP leader will support the suppliers in meeting the objectives of the PREFORMA project in general and the functional / technical requirements in particular
  
- ❑ Duration: M11 – M27
- ❑ Tasks
  - T5.1 Co-Design Step 1
  - T5.2 Co-Design Step 2

# User-centered Design

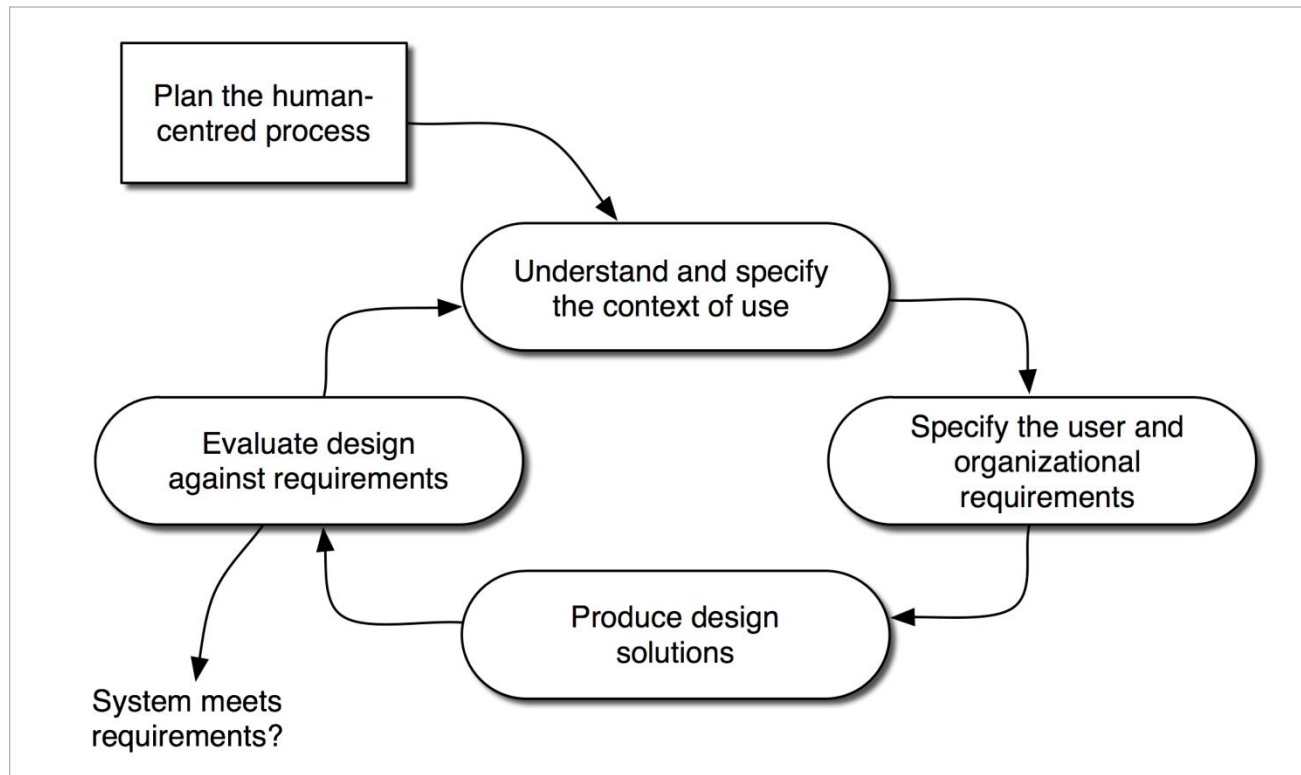
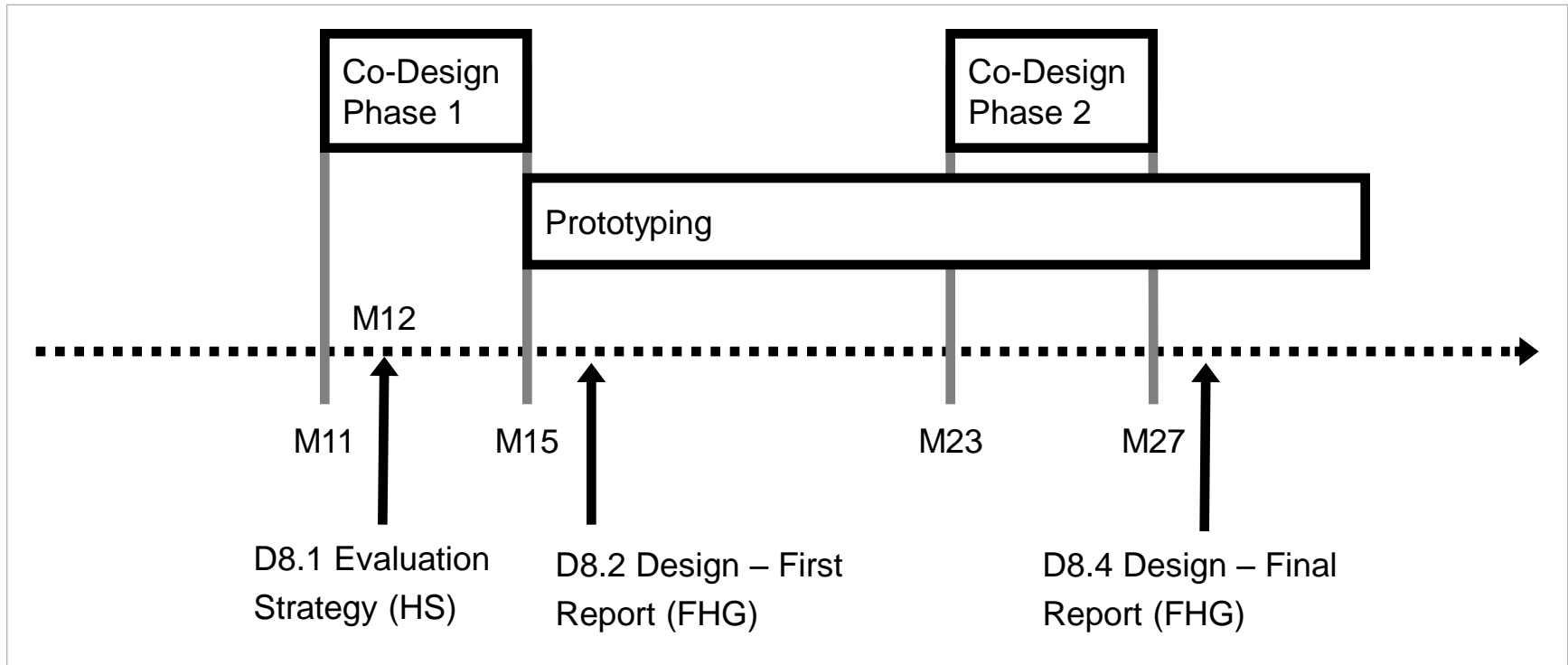


Figure: The human-centred design process (adopted from ISO 13407)

# WP5 – Co-Design Overview



# Data Sets for Testing, Training, and Demo



## ❑ **Test data**

This is a data set representative for the extent and scope of digital objects acquired/ingested by the memory institution. The data set will be used by the project partners for testing the tools. The data set CAN be provided under an open access license.

## ❑ **Training data**

This is a data set representative for the extent and scope of digital objects acquired/ingested by the memory institution. The data set will be used by the suppliers for training software components. The data set CAN be provided under an open access license.

## ❑ **Demonstration data**

This is a data set with a selection of files that is representative for the digital objects acquired/ingested by the memory institution. They should include valid/conform files as well as corrupted files. The data set will be used by suppliers and project partners for demonstrating and endorsing the PREFORMA tools. The data set MUST be provided under an open access license.

# Data Sets for Testing, Training, and Demo



## ❑ **Test data**

Test data sets will be provided by the memory institutions and the research partners within PREFORMA. Suppliers use them for testing their developed software. Test data will include both correct and incorrect file type examples.

## ❑ **Training data**

Training data sets must be provided by the suppliers as part of their submission. Each data set (text, image, AV) will be used to train each application or file type. Each e.g. training data set for image will be used by both image application providers for cross check.

## ❑ **Demonstration data**

Demonstration data sets will be provided by the memory institutions and the research institutions within PREFORMA for demonstrating and evaluating the applications developed by the suppliers.

# First (Co-)Design Phase (M11 – M15)



- ❑ Task to be done by the suppliers:
  1. M11 – M12: Preparation of functional specification (in-depth analysis functional, technical requirements)
- ❑ Output:
  - Program specification (end of M12)  
(describes the intended behavior of the software documented by use cases, application scenarios, etc.)
- ❑ Task to be done by the suppliers:
  2. M13 – M14: Developing a high-level structure of the software
- ❑ Output:
  - Software architecture documentation (end of M14)  
(describes the structure of the different components and how they are connected to each other)

# First (Co-)Design Phase (M11 – M15)



- Workshop is planned at the end of M14 or at the beginning of M15
    - Presentation and Q&A to the suppliers' program specifications and software architecture documentations
    - 60 min presentation + 20 min discussion
    - Central location (e.g., Brussels)
- Results serve as additional evaluation input



# Second (Co-)Design Phase (M23 – M26)



PREFORMA

## □ Tasks to be done by the suppliers:

### 1. M23 – M26: Update of the initial design

→ WP lead supports the suppliers in meeting the report notes, comments, recommendations, etc.

– Output = Updated program specification (end of M24)

– Output = Updated software architecture documentation (end of M26)

→ Different rankings serve as basis for selecting the three suppliers that are requested to proceed to the prototyping



# Thank you!

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