

INEDIT

open INnovation Ecosystems
for Do It Together process

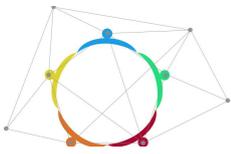
D4.4. VALIDATION OF THE DEPLOYED DEMONSTRATOR

WP4.4

Version 1.3

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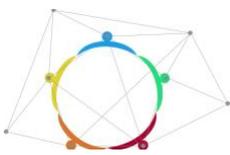
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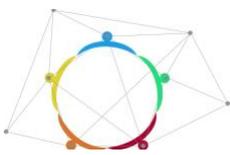


Summary

EXECUTIVE SUMMARY	5
1. INTRODUCTION	6
1.1. AN INTERNAL VALIDATION PROCESS OPEN TO THE COMMUNITIES	6
1.2. THE SYSTEM AND ITS TECHNOLOGIES SUPPORTING THE DIT APPROACH.....	12
2. INEDIT OMD VALIDATION AND ADAPTATION.....	18
2.1. MONITORING OF THE USE CASES DEVELOPMENT AND ITS DIGITAL ENVIRONMENT.....	18
2.2. RESULT OF MONITORING FOR EACH PART OF THE OMD.....	23
2.3. UX TESTING OF THE DESIGNTOGETHER PLATFORM.....	45
3. EXPERIENCE FEEDBACK ON THE MONITORING AND ADAPTATION	63
3.1. CONTRIBUTION TO THE PROJECT.....	63
3.2. RECOMMENDATION ON THE DASHBOARD TOOL	64
3.3. CONCLUSION OF THE UX TESTING	65
4. CONCLUSION	67
5. REFERENCES	68

List of figures

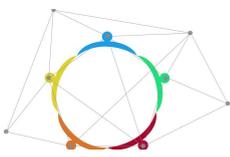
<i>Figure 1: INEDIT ideal strategy to design OMDF based on interconnected WPs and its (local) ecosystem(s) (adapted from D4.2)</i>	6
<i>Figure 2: The different level of demonstrators of the INEDIT project</i>	7
<i>Figure 3: From DIT concept to DIT implementation: the role of WP4 and links with other WPs</i>	8
<i>Figure 4: From TRL4 to TRL6, the process to build an observable, reproducible and scalable OMDFs.</i>	10
<i>Figure 5: From a technological demonstrator to an explorative “industrial demonstrator” shared within Scientific Communities (updated version of D4.2)</i>	11
<i>Figure 6: representation of the system supporting the DIT approach.</i>	14
<i>Figure 7: the four INEDIT Open Manufacturing Demonstration Facilities (2020)</i>	15
<i>Figure 8: Focus on the digital “multi-sided” platform developed by INEDIT Project</i>	16
<i>Figure 9: Use cases positioning on the technology map (see D2.3)</i>	16
<i>Figure 10: Monitoring of the use cases and their links supported by the digital “multi-sided” platform</i>	17
<i>Figure 11 : Expected level of demonstration per function of the ideal OMDF (June 2022, ICE-IAMOT conf)</i>	18
<i>Figure 12 : Deployment of all the 4 Use Cases, the digital platform, and the co-creation dynamic (from Oct. 2021 to March 2023 – 18 months)</i>	21
<i>Figure 13 : final status of INEDIT functions Feb. 28th, 2023.</i>	22
<i>Figure 14: involvement of the UC1 technologies in the demonstration functions</i>	23
<i>Figure 15: Trend in the technical and organizational deployment of UC1</i>	24
<i>Figure 16: involvement of the UC2 technologies in the demonstration functions</i>	26
<i>Figure 17: Trend in the technical and organizational deployment of UC2</i>	27
<i>Figure 18: exhibition of AIMEN production at L’Octroi Nancy, June 2022, ICE-IAMOT Conference, Nancy, France.</i>	27
<i>Figure 19: involvement of the UC3 technologies in the demonstration functions</i>	29
<i>Figure 20: Trend in the technical and organizational deployment of UC3</i>	30
<i>Figure 21: involvement of the UC4 technologies in the demonstration functions</i>	33
<i>Figure 22 : Trend in the technical and organizational deployment of UC4</i>	34
<i>Figure 23: DIT approach supporting the synergy between UC4 and UC3 technologies (Observed during ICE-IAMOT conference, June 2022)</i>	36
<i>Figure 24: Digital platform – involvement from co-creation to manufacturing in the demonstration functions</i>	37



<i>Figure 25: Trend in the technical and organizational deployment of Digital Platform</i>	37
<i>Figure 26: a) Screenshot of the Design Together platform (Sept. 2022) and, b) demonstrator in Living Lab mode (ICE-IAMOT, Nancy, France, June 2022)</i>	39
<i>Figure 27: TTS demonstrating the ERP and SDO behind the INEDIT platform, June 2022, Nancy, France</i>	40
<i>Figure 28: involvement of the creativity tool and the immersive design tool in the demonstration functions</i>	41
<i>Figure 29 : Trend in the technical and organizational deployment of co-creation experts</i>	41
<i>Figure 30: example of feedback in co-creation platform</i>	43
<i>Figure 31: workflow of the INEDIT multi-sided platform, adapted from Crowd</i>	45
<i>Figure 32: the Project Owner’s user journey, adapted from CROWD.</i>	46
<i>Figure 33: Description of the process of involving participants (n=96, 5 panels) and developers according to development needs</i>	51
<i>Figure 34: Panels #1, #3, #5 testing the DESIGN TOGETHER Platform (LF2L, Nancy, Fr.; LVL, Laval, Fr.; SUPSI, Lugano, CH)</i>	52
<i>Figure 35: UX over time for Panel #1 and #4+5</i>	56
<i>Figure 36: Pragmatic and Hedonic Qualities - results per word pair for each experience</i>	57
<i>Figure 37: Mean by dimension for the five panels according AttrackDiff survey</i>	58
<i>Figure 38: Portfolio of results for the five panels (from Nov. 2022 to Feb. 2023)</i>	59
<i>Figure 39: Influence of the UX design process on the multi-sided platform development between Oct. 2022 and Feb. 2023.</i>	59

List of tables

<i>Table 1: Assessment carried out within INEDIT.....</i>	12
<i>Table 2: Evolution of the achievement of the INEDIT OMDF objectives since February 2022</i>	20
<i>Table 3: Status of the UC1 Dashboard, Feb. 28th, 2023</i>	25
<i>Table 4: UC1 contribution to INEDIT functions Feb. 28th, 2023.....</i>	25
<i>Table 5: Status of the UC2 Dashboard, Feb. 28th, 2023</i>	28
<i>Table 6: UC2 contribution to INEDIT functions Feb. 28th, 2023.....</i>	28
<i>Table 7: Status of the UC3 Dashboard, Feb. 28th, 2023</i>	31
<i>Table 8: UC3 contribution to INEDIT functions Feb. 28th, 2023.....</i>	31
<i>Table 9: Status of the UC4 Dashboard, Feb. 28th, 2023</i>	35
<i>Table 10: UC4 contribution to INEDIT functions Feb. 28th, 2023.....</i>	35
<i>Table 11: Status of the Digital platform Dashboard, Feb. 28th, 2023</i>	38
<i>Table 12: Digital platform contribution to INEDIT functions Feb. 28th, 2023.....</i>	38
<i>Table 13: Status of the Co-creation experts Dashboard, Feb. 28th, 2023</i>	42
<i>Table 14: “Co-creation experts” contribution to INEDIT functions Feb. 28th, 2023*.....</i>	43
<i>Table 15: Description of the five UX tests implemented from October 2022 to February 2023.....</i>	50
<i>Table 16: Structuring of the qualitative data collected.....</i>	53
<i>Table 17 : outcome from UX Design on VR app</i>	53
<i>Table 18: outcome from UX Design on Web app</i>	54



EXECUTIVE SUMMARY

Task 4.4: Implement the framework into reality and validate or adapt it

This last step aims to implement the demonstrators based on the specifications previously developed before organizing test and acceptability phases. Each phase is confronted with the specifications, which can evolve to adapt to the constraints encountered during implementation. Each partner supporting a use case will interact with its ecosystem to design a previous agile manufacturing network. E.g. UNINOVA will test and instantiate the implementation of prototypes in controlled FabLab environment of the proposed smartification solutions.

This deliverable describes the implementation into reality of the framework of a replicable Open Manufacturing Demonstration Facility supporting the INEDIT process.

The introduction presents the internal validation process developed during the project and how the consortium managed to open to the communities to validate its demonstrator (section 1.1). Initially, this validation is done "part by part" through specialists, scientific publications and by focusing on specific technological developments with different TRL levels. Then, the whole process and its contributions will be progressively validated and disseminated to a wider audience. This first section also depicts the system and its technologies supporting the DIT approach. In other words, the report explains what the demonstrator should be (section 1.2).

The second section details the evaluation and the adaptations made to the INEDIT OMD. This part describes the regular evaluation of the OMDs' development over a long period of time (almost 2 years) and provides the status of each OMD and its digital environment at the end of INEDIT project, in February 2023 (sub-section 2.1). Then we analyse the monitoring for each part of the OMD. We will not explain the 1420 lines, we take a few emblematic examples to give an overview (sub-section 2.2). Finally, the sub-section 2.3 studies the design modalities of the DesignTogether platform, a multimodal interfaces and multi-platform (web app, AR mobile app, VR app) supporting the DIT process. This supplementary work, needed to carry out the evaluation and adaptation of OMD, focuses on the realization of an original UX design protocol allowing to design and evaluate by use this potential "multi-sided" platform.

To conclude this report provides experience feedback on the monitoring and the adaptation of the OMD (section 3).