# INEDIT

## open INnovation Ecosystems for Do It Together process

# D7.7 REPORT ON TECHNOLOGY WATCH AND RESULTS

| Report on Technology Watch and results | Version 3 |
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| Description: | This deliverable intends to describe the technology used in the project, identify existing state-of-the-art and new technology trends, and analyse the integration in the community driven approach. | |
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# Abbreviation and Acronyms

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|---|---|
| ABC | As-Build-Capture |
| API | Application Programming Interface |
| AR | Augmented Reality |
| CAD | Computer Aided Design |
| CPC | Cooperative Patent Classification |
| DIT | Do-It-Together |
| ENSAM | École Nationale Supérieure d'Arts et Métiers |
| ERP | Enterprise Resource Planning |
| EU | European Union |
| ICT | Information and Communication Technologies |
| INEDIT | open INnovation Ecosystems for Do It Together process |
| IP | Intellectual Property |
| IPC | International Patent Classification |
| SDO | Sustainability Driven Orchestrator |
| SME | Small and Medium Enterprise |
| TTPSC | Transition Technologies PSC |
| UL | Université de Lorraine |
| USPC | United States Patent Classification |
| VR | Virtual Reality |

# 1. Executive Summary

This deliverable D7.7 – *Report on Technology watch and results* addresses the innovativeness and intellectual property interdependencies of the technologies and provides an analysis of the surrounding environment around the INEDIT project. The technological analysis is based on the operational descriptions in deliverables D2.4 Specification of the overall framework for the use cases validation and D4.2 Specification of each physical Demonstrator (Open Manufacturing).

The operation of the INEDIT project can be analysed in two integrated parts. These are the Co-Creation phase and the Open Manufacturing phase (See D4.2 for details). The co-creation phase is enabled through the community platform, including its collaboration possibilities, the integrated virtual design, and the aided design tools. The open manufacturing phase is enabled through the technology in the four use cases for furniture manufacturing, 3D wood printing, 3D printing from recycled plastic and smartification of furniture. Each of the applied technologies will be analysed regarding their innovativeness, the market they are deployed in and potential commercialisation strategies from individual partners or the entire consortium. Expected result of this part will be a structural understanding of the IP interdependencies of each technology.

The project's main driver apart from the development of new technology is the integration of specific technology to the INEDIT needs. This is main goal of Task 3.4 Implementation and Integration of an existing Co-Creation Platform. To support this task, this deliverable suggests lessons learnt from other Open Innovation community online platforms and their strategies to tackle challenges.

The main aim of the traditional patent analysis approach is to create awareness of similar patents which might cause an issue once commercialisation status is reached. However, INEDIT aims at integration of specified technologies which lowers the importance of a traditional patent analysis The technologies that are utilised in the INEDIT concept are analysed regarding their degree of novelty as well as their advantage compared to existing solutions.

Finally, technology watch activities (search of competitors/competing products & technologies, search of relevant projects and standards) aim to support the business development of the partners (market strategy, market positioning, possible co-operations, etc.) in work package 5.

**This deliverable D7.7 – Report on Technology watch is the result of activities implemented in task 7.5 Towards the development of exploitation strategies: Management of IPR and technology watch and reports thus provides an overview of the project's innovative technologies and specific suggestions regarding Open Innovation communities. It will contain the process and results of the technology watch and as well as an overview of screened state-of the art technologies/competitors and relevant projects.**

# 2. Deviations

Due to the integration of results from deliverable D4.2 and its delayed submission the finalisation of this deliverable was delayed.