

Summary of Deliverable D4.1

Developing a methodology for summarising KTCs with 2D and 3D digital printing technology

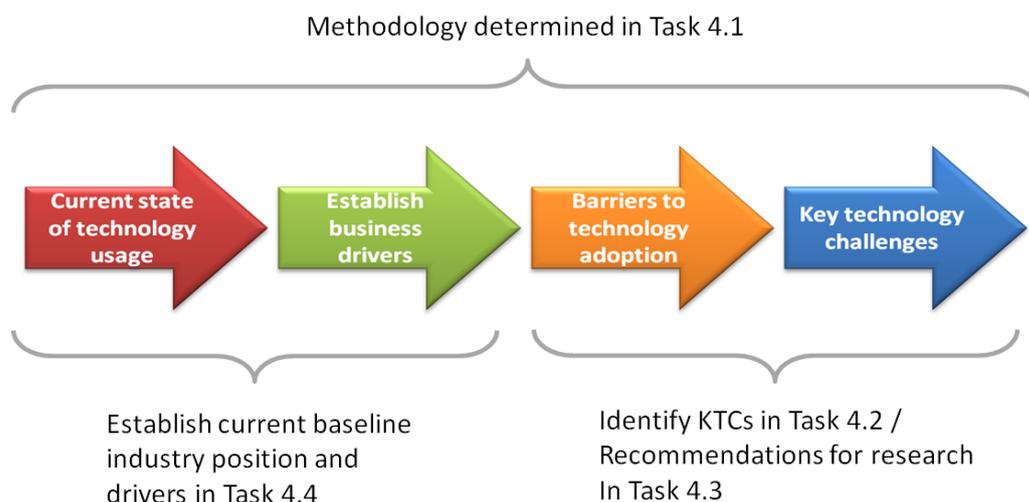
Main Author: Martin Baumers

Contributing Authors: Chris Tuck, Kenny Dalgarno, Richard Hague, Phil Reeves (visiting academic)

Date: 28.11.2012

In the early stages of work package 4 in the Diginova project, which aims to identify key technology challenges and business drivers affecting digital fabrication technology, it was decided to develop a methodology that draws on work previously done on additive manufacturing technology forecasting and technology needs analysis. Deliverable 4.1 presents an adaptation of this existing methodology for the Diginova project, aiming to develop a methodology/catalogue for a summary of key technology challenges and business drivers. Further, the decision was made to make a distinction between technology variants of digital fabrication operating in 2D and 3D.

Deliverable 4.1 proposes a specific sequence of steps in the identification of business drivers and barriers to technology adoption. The methodology used suggests that the business drivers inherent in the applications of technology should be established first, on the basis of the current state of technology usage. Flowing from this it is possible to identify barriers to technology adoption, through which the key technology challenges can then be identified. Though not part of Diginova work package 4, the used methodology is designed to extend directly into technology road mapping.



A central output of work package 4 will consist of a series of large two dimensional matrices, expressing current and future technology applications relative to industry sector, discrete applications against the business drivers inherent to the technology, and discrete applications against business and technology barriers. It is then possible to build list of barriers to technology adoption, their contributing factors and a menu of possible approaches. On the basis of this list, the key technology challenges will be distilled.