



A designerly approach to networked innovation

Networked Innovation

Developing a designerly approach to networked innovation

About

Companies increasingly form project consortia to integrate their knowledge in order to realize ambitious innovation goals. This project addresses the specific challenges of such networked innovation, such as the identification of critical knowledge and the search for related and suitable partners. The aim is to develop tools and interventions to better harness the potential of collaboration across organisations. The project will investigate how a designerly approach enables collaboration in innovative networks, since designing is no longer only the activity of the traditional designer, but also of other stakeholders such as suppliers and end users.

Background

This project addresses new challenges in the field of networked innovation. The aim is to reduce costs and cycle time by developing and utilizing new methodologies to design, innovation management and collaboration practices. The development of these methodologies will be based on input from participating companies, literature and past and current research of the participants. Project and product managers and designers may use the new methods to identify synergies and risks from a long-term, systemic perspective. Ultimately, the new methodologies will provide the basis for better innovations and help to build sustainable cross-organizational networks across the Dutch economy.

Questions

The 5 workpackages within the project answer the following research questions:

- 1 How can knowledge processes in networked innovation teams be improved to increase performance?
- 2 How can networked NPD teams establish integrating practices that address their situational challenges, foster an innovative team climate and enhance outcomes?
- 3 How do different innovation systems develop over time and what guidelines can be formulated for managing innovation systems?
- 4 How can a designerly approach be implemented to increase performance in networked NPD teams?
- 5 How can current tools and methods be improved and what other tools and methods are necessary for supporting networked innovation projects?

Results

Tools and methods will be developed for WP 1) Knowledge integration; WP 2) Team co-ordination, and WP 3) Innovation systems. WP 4 will integrate these three into a general methodology for networked innovation supported by tools. WP 5 addresses the valorization which, in collaboration with the other work packages, will enable knowledge transfer and application in the participating companies and beyond.

Facts

Duration: October 2009 - October 2013

Funding: Agentschap NL (Ministry of Economic Affairs, Agriculture and Innovation)

Program: Innovatiegericht Onderzoeks Programma Integrale Product Creatie en Realisatie IOP-IPCR (Innovation-oriented Research Programme Integral Product Creation and Realisation).

Partners

- Delft University of Technology, depts. Industrial Design Engineering and Technology, Policy and Management
- Erasmus University, Rotterdam School of Management
- The Hague University of Applied Sciences, Lectorate Knowledge Transfer in Product Innovation
- Design Initiatief
- DAF Trucks N.V.
- Philips Design
- Driessen Aerospace Group
- FrieslandCampina
- Volvo Aero Corporation in Sweden
- Indes
- Sunidee
- Insights International
- ASML

People

- Prof. Dr. Cees de Bont**, Delft University of Technology, dept. Industrial Design Engineering, promotor.
- Dr. ir. Maaïke Kleinsmann**, Delft University of Technology, dept. Industrial Design Engineering, project leader, co-promotor, senior researcher.
- Ir. Katinka Bergema**, Delft University of Technology, dept. Industrial Design Engineering, PhD candidate.
- Ir. Fleur Deken**, Delft University of Technology, dept. Industrial Design Engineering, PhD candidate.
- Prof. Dr. Kristina Lauche**, Delft University of Technology, dept. Industrial Design Engineering, promotor.
- Dr. Patrick van der Duin**, Delft University of Technology, dept. Technology, Policy and Management, senior researcher.
- Dr. Mahmut Ozdermir**, Erasmus University, Rotterdam School of Management, postdoc.
- Prof. dr. ir. Jan van den Ende**, Erasmus University, Rotterdam School of Management, supervisor.
- Dr. ir. Rianne Valkenburg**, The Hague University of Applied Sciences, Lectorate Knowledge Transfer in Product Innovation, supervisor.
- Dr. Christiane Maurer MA**, The Hague University of Applied Sciences, Lectorate Knowledge Transfer in Product Innovation, senior researcher.
- Janneke Sluijs**, B.Eng, The Hague University of Applied Sciences, Lectorate Knowledge Transfer in Product Innovation, researcher.

Rough projectplanning IOP designerly approach:

