

Marzia Mortati PhD Candidate, Politecnico di Milano Leon Cruikshank Senior Lecturer, Imagination Lancaster, Lancaster University

Engage HEI 2010

The Net approach

Social Networks in action and Design Cognitive Tools

Objectives

In this presentation we would like:

To present and share knowledge on our on-field experience To propose a new conceptual approach to Social Networks

Through the project we would like: To address social network theory To discuss on how design-inspired cognitive tools can transform social networks into practical tools



Can a design attitude help businesses use social networks strategically?

Can design help businesses design networks for innovation?



IDEASatDARESBURY

Multi-disciplinary partnership - key aims:

to help establish and enhance the performance of firms and organisations, to put 'new ideas into practice' through research and knowledge transfer activity centered on innovation, competitive performance and economic development.



IDEAS AT DARESBURY - The project



Approach

Designing the intervention

A sensitive observer might notice an interesting thing about creative people. They tend to work in two different ways.

'finders': They exercise their creativity through discovery, they are driven to understand, to find explanations for phenomena not well understood.

'makers': They demonstrate their creativity through invention. Makers are driven to synthesize what they know in new constructions, arrangements, patterns, compositions and concepts that bring tangible, fresh expressions of what can be.

Owen, C. (2006) Design Thinking: Notes on Its Nature and Use. Design Research Quarterly 1:2 Dec. 2006, pp.16-27

Designing the intervetion



Beyond Networking





PROGRAMME

- **Connect** - Maximise the Benefits of Working with Others Tuesday 19th Jan | 9am - 1pm Understand your networks and how to use them more effectively

Experience new and effective approaches to developing beneficial relationships

- **Create** - Generate New Ideas Through Collaboration Tuesday 26th Jan | 9am - 1pm Foster creativity by working with others Introduce and apply tools which can be used to enhance dayto-day creativity

- **Refine** - Develop Concepts into Practical Propositions Tuesday 2nd Febl 9am - 1pm Grow ideas into attractive product/service offers Develop attractive proposals to enter new markets Effectively communicate ideas to customers

- **Sell** - Translate Propositions in Successful Products Tuesday 9th Feb | 9am - 1pm Identify key partners for product/service development and collaboration

Grow proposals into saleable products or services Minimise risks, costs and time in development processes

Beyond Networking Workshop series

PARTICIPATING COMPANIES

25 high-tech SMEs in two sectors:

> IT SERVICES> SPECIALISED MANUFACTURING





Topics:

- Social Networks of entrepreneurs
- Generating value through Social Networks
- Dimensions for analysing a Social Network
- Hands-on activities



Tools:

Tool 1: SCOPING NETWORKS

Tool 2: MAPPING CONTACTS

Tool 3: NETS

Tool 1: SCOPING NETWORKS

DEAS

Contacts who

• * iDEAS

Context (your current job)

Connect, 19th Jan 2010



Companies have mapped: > relationships between contacts > strong and weak ties among contacts > distribution of contacts to help us understand how they view their network

Tool 2: MAPPING CONTACTS





Tool 3: NETS

The concept of Net represents a simple and hands-on tool addressed at SMEs to design their network.

We define a net as the set of contacts that are activated in order to answer a specific need and exchange valued items (material or immaterial). Net indicates the more operational part of a wider network, where contacts are activated from time to time and often with different roles.

This helps companies understand immediately how their network can be used, improved and designed.



Challenge: Develop e-learning ming incorporating video.

The Net for a New E-Learning Product





Companies have:

 identified a current or future innovation problem

described existing or missing contacts
to build a plan to tackle the problem

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2

Nets to solve a future problem

3



Connect ws: Activities and Tools



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Action

Planning

Feedback

- 1. High relevance for businesses
- 2. Actions for immediate implementation
- 3. Immediate benefits
- 4. Increased awareness

"There is a huge drive in our industry to network and that networking is the future of the service industry" Paul Oldham, Kelly Scientific Resources

"I have now got, directly from this session, a list of actions that I can go away with and do literally this afternoon." Bob Lloyd, SimX Ltd.

"On the table were two people I have already added to the network. That is kind of a short term benefit right off the bat." "This session has brought me to a point where I realise, I need to manage that network and I have been able to identify the gaps in it ." Andy Smith, Instrument Science Ltd.

Result

The concept of NET

In the wider Social Network entrepreneurs benefit from their network by activating the nodes that are most useful to solve a problem.

Conceptually a sub-group of contacts exists that are activated at different times with different roles and to extract different re-sources.

This is an operational concept: nets are highly functional, they catch things.

Result

Design-inspired approach

Understanding of the network is built through:



Visualisation Prototyping of network (map as a model of reality) Prototyping of the plan for action Recognition of patterns Human-centred attitude Fantasy and reality Systemic vision

This aims at helping the exploration of a wide variety of ties and their relationships, and at building a strategy for innovation.

Characteristics of a design thinker



Don Fabun (1968). You and Creativity. Kaiser Aluminum News 25(3).

Sensitivity Questioning attitude Broad education Asymmetrical thinking Personal courage Sustained curiosity Time control Dedication Willingness to work Silvano Arieti Creativity. The Magic Synthesis. New York: Books

Fluency of thinking Flexibility Originality Redefinition Elaboration Tolerance for ambiguity Mihaly Csikszentmihalyi (1996). Creativity. Flow and the Psychology of Discovery and Invention. New York: Harper Collins Publishers, Inc.

Generalized libidinal energy and restraint Convergent and divergent thinking Playfulness and discipline —or irresponsibility and responsibility Fantasy and reality Extroversion and introversion Humility and pride Masculinity and femininity Traditional conservatism and rebellious iconoclasm Passion and objectivity

Passion and objectivity Suffering and enjoyment Charles Owen (2007) Design Thinking: Notes on Its Nature and Use. Design Research Quarterly 1:2 Dec. 2006, pp.16-27

Conditioned inventiveness Human-centered focus Environment-centered concern Ability to visualize Tempered optimism Bias for adaptivity Predisposition toward multifunctionality Systemic Vision View of the Generalist Ability to use language as a tool Affinity for teamwork Facility for avoiding the necessity of choice Self-governing practicality Ability to work systematically with qualitative information

Approach

Design: values, capabilities and tools



Result

Further research

The 'Net approach' implies the opportunity to start a series of further experimentations.

On a academic level it implies overcoming disciplinary barriers to build multi-disciplinary actions, as this seems the best way to achieve a real impact on businesses.

This can represent an exciting area for research that is impactful.

Discussion

What are your experiences?

http://www.ideasdaresbury.co.uk/

marzia.mortati@polimi.it L.Cruikshank@lancaster.ac.uk