The Platform Review Alliance Board

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Design patterns, princip
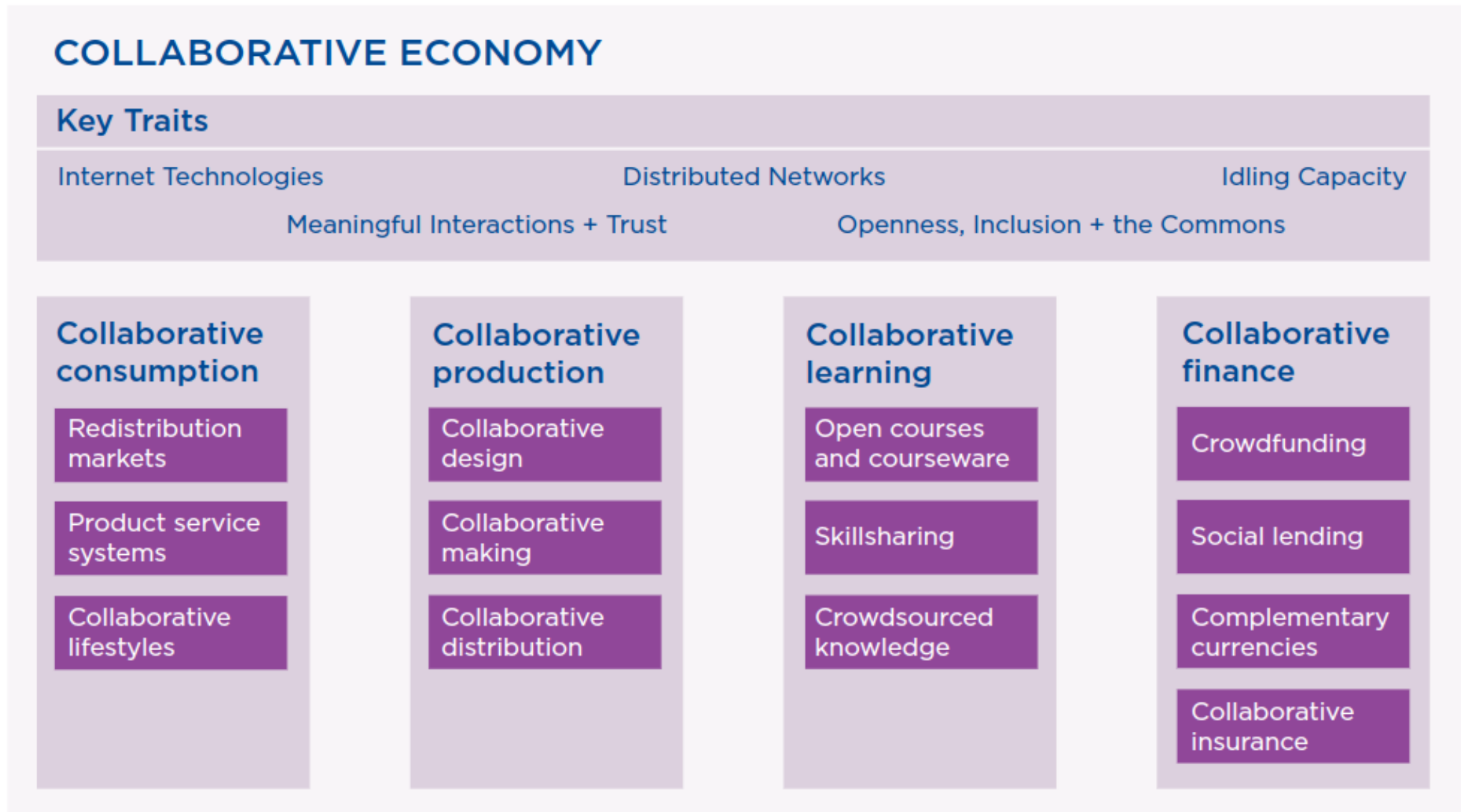# strategies for Sustainabl

A CHI 2016 workshop

Home

Welcome to the website of the *Design patterns, principles, and strategies for Sustainable HCI* workshop, a CHI 2016 (May 7-12 2016) workshop to take place in San Jose, USA.
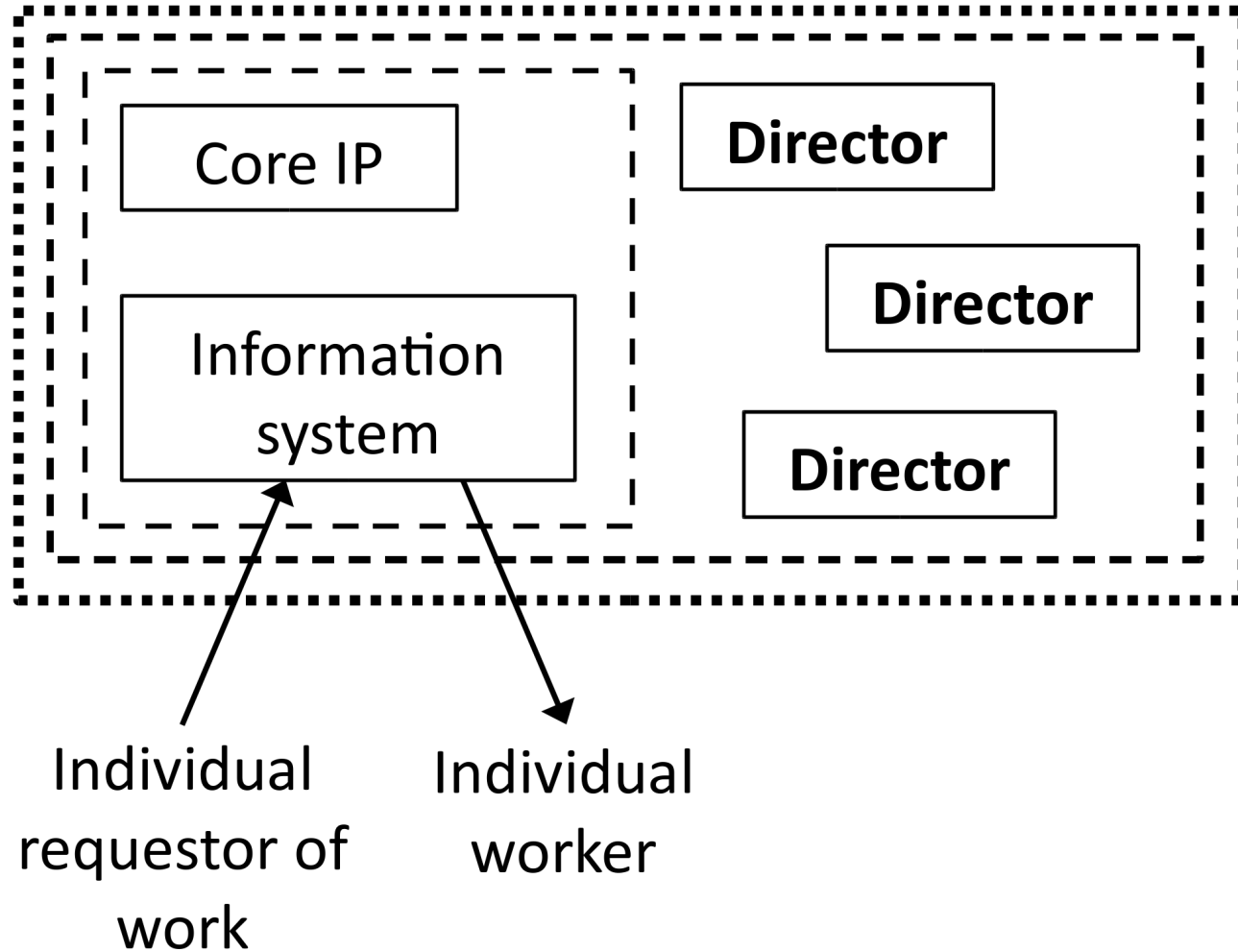
This workshop will bring together researchers in the Sustainable HCI field to reflect on sustainability challenges in HCI and collaboratively collate and develop a set of strategies and patterns for SHCI research and design that will serve as an evolving platform for practice, critique, and evaluation. SHCI has covered a lot of ground in a short space of

Figure 1: **Conceptualising the collaborative economy**

COLLABORATIVE ECONOMY

Key Traits

Internet Technologies   Distributed Networks   Idling Capacity

Meaningful Interactions + Trust   Openness, Inclusion + the Commons

Collaborative consumption	Collaborative production	Collaborative learning	Collaborative finance
Redistribution markets	Collaborative design	Open courses and courseware	Crowdfunding
Product service systems	Collaborative making	Skillsharing	Social lending
Collaborative lifestyles	Collaborative distribution	Crowdsourced knowledge	Complementary currencies
			Collaborative insurance

Stokes, K., Clarence, E., Anderson, L. and Rinne, A., 2014. Making sense of the UK collaborative economy. Nesta, London.

Platform Firm

Core IP

Information system

Director

Director

Director

Individual requestor of work

Individual worker

The platform firm's directors maintain its boundary by only enabling indirect communication between requestors of work and workers through an information system.

amazonmechanical **turk**
beta Artificial Artificial Intelligence

| Your Account | HITs | Qualifications |

578,127 HITs
available now

☐ for which you are

Find [HITs ▾] containing [   ] that pay at least $ [0.00] ☐ require Master Qu

FAQ > Overview

General Questions

- What is Amazon Mechanical Turk?
- What is a HIT?
- How do I get started as a Requester?
- How do I get started as a Worker?

General Questions

What is Amazon Mechanical Turk?

Amazon Mechanical Turk is a marketplace for work that requires human intelligence. The Mechanical Turk service gives businesses access to a diverse, on-demand, scalable workforce and gives Workers a selection of thousands of tasks to complete whenever it's convenient.

Amazon Mechanical Turk is based on the idea that there are still many things that human beings can do much more effectively than computers, such as identifying objects in a photo or video, performing data de-duplication, transcribing audio recordings, or researching data details. Traditionally, tasks like this have been accomplished by hiring a large temporary workforce (which is time consuming, expensive, and difficult to scale) or have gone undone.

What is a HIT?

A Human Intelligence Task, or **HIT**, is a question that needs an answer. A HIT represents a single, self-contained task that a Worker can work on, submit an answer, and collect a reward for completing.

ITUC CSI IGB

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GLOBAL ECONOMY ❯ NEWS

New global poll: Workers in the digital economy deserve the same rights as workers in the real economy
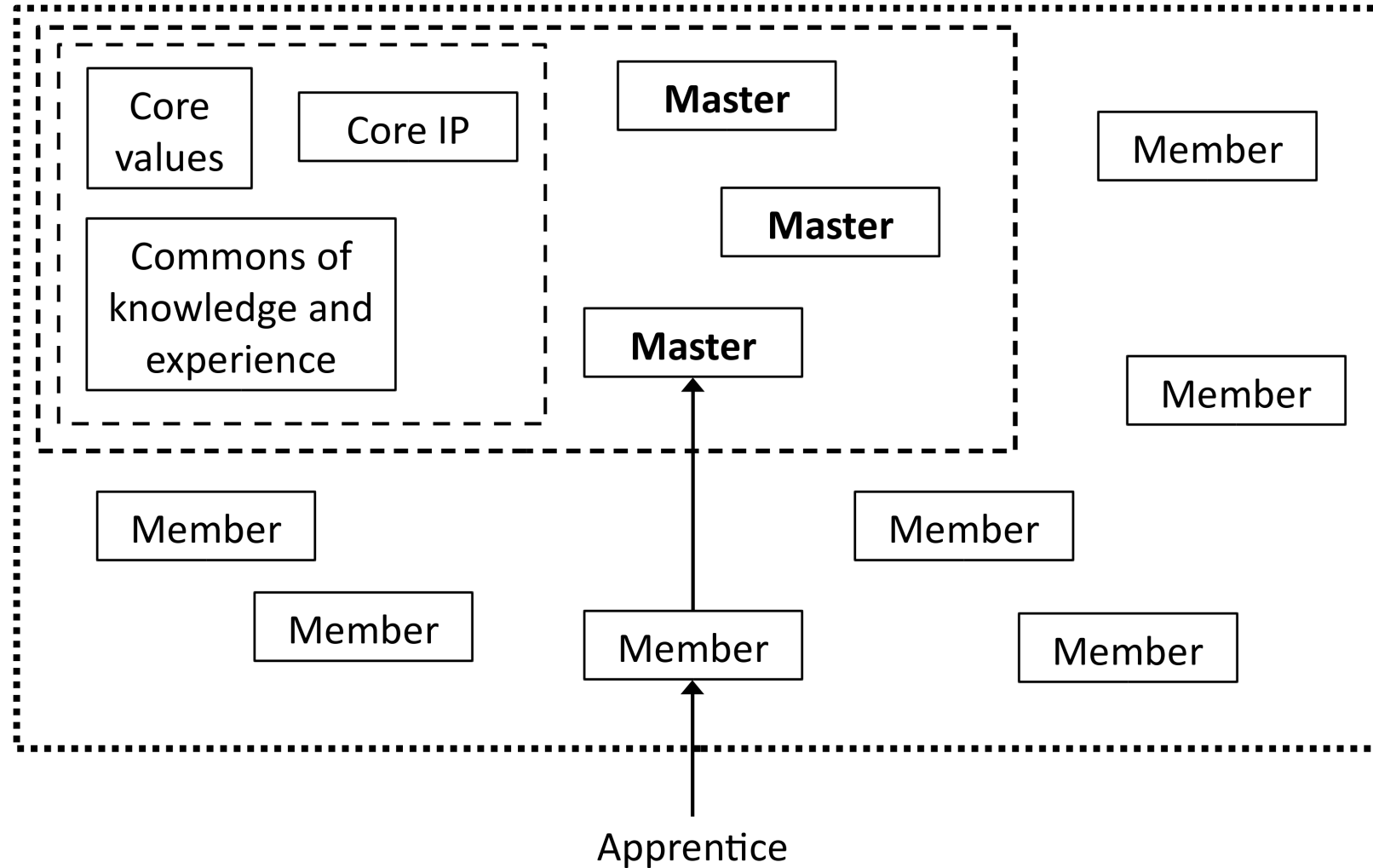
🕐 21 June 2016   🏷 Global economy

Technology itself is not a threat to decent work – it is how it is managed and in whose interest that matters, said international labour unions ahead of an OECD Ministerial meeting on the Digital Economy in Mexico.
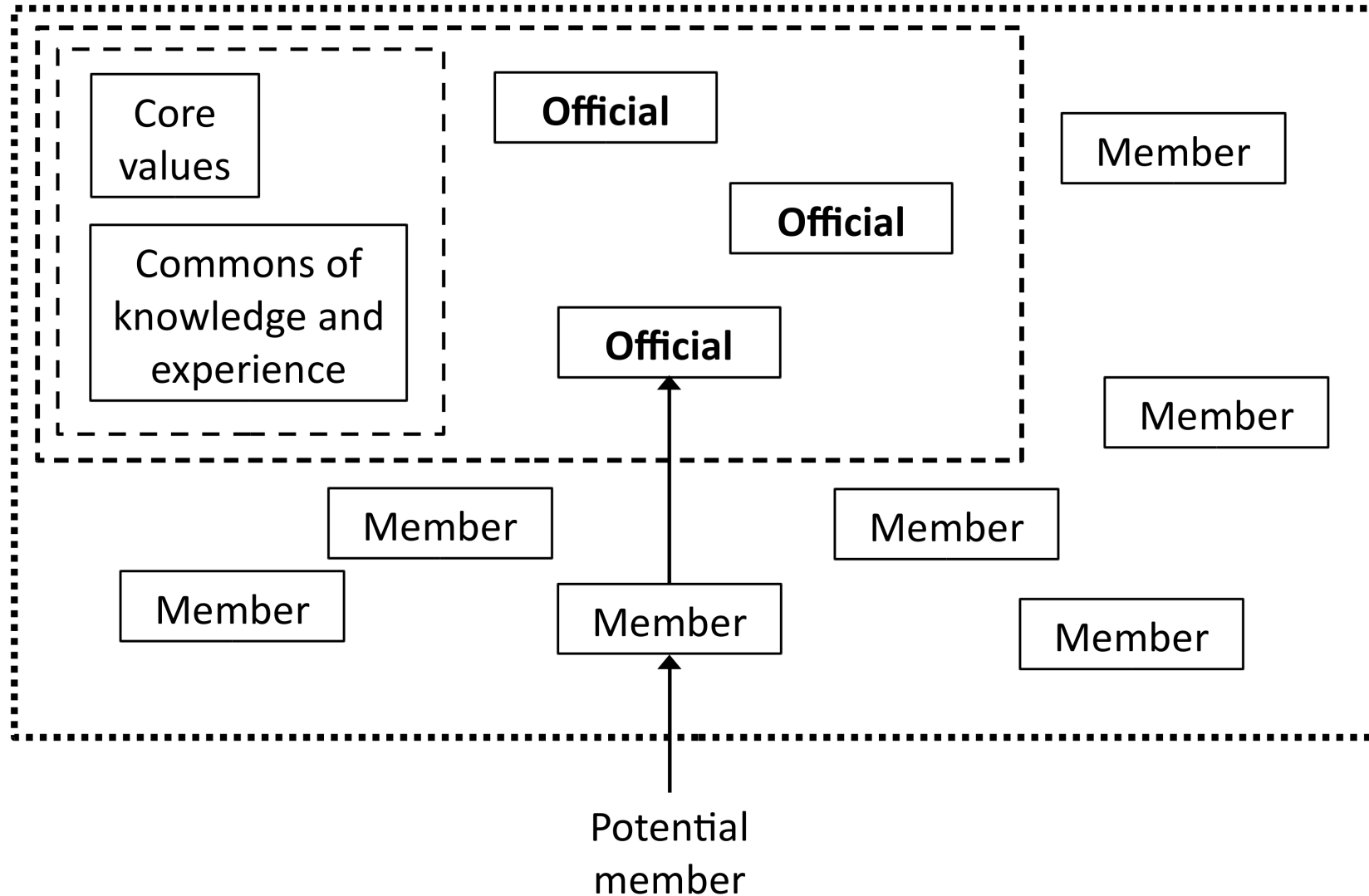
Software Producer Guild-like Cooperative

Core values

Core IP

Commons of knowledge and experience

Master

Master

Master

Member

Member

Member

Member

Member

Member

Member

Apprentice

A cooperative of masters within the software producer guild maintains its boundary by deciding who will be a member and which members will be admitted to the group of masters
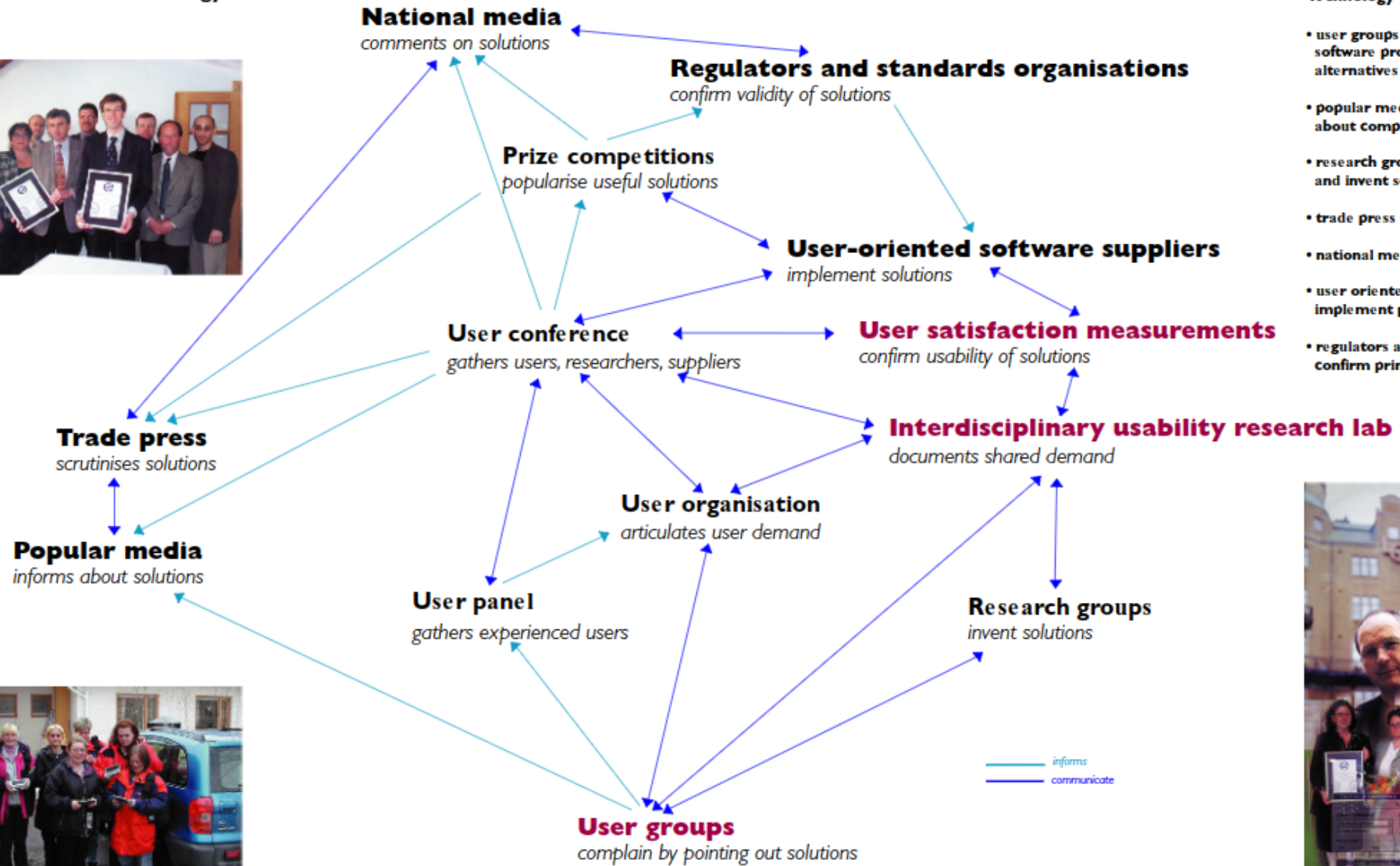
Trade Union

Core values

Commons of knowledge and experience

Official

Official

Official

Member

Member

Member

Member

Member

Member

Member

Potential member

The group of trade union officials employed by the union maintain the boundary of the trade union by deciding who will be a member and which members will become new officials

User-driven software quality labelling

An institutional interaction pattern
exemplified by the UsersAward project
Åke Walldius & Yngve Sundblad
Royal Institute of Technology

The hypothetical forces
Derived from Donald Norman´s famous
hypothesis for future IT development:
"People Propose, Science Studies,
Technology Conforms".

- user groups complain about recurrent software problems and point out alternatives

- popular media inform the general public about complaints and alternative solutions

- research groups study the complaints and invent solutions

- trade press scrutinise the research results

- national media comment the results

- user oriented software suppliers implement proposed solutions

- regulators and standards organisations confirm principles behind the solutions

National media
comments on solutions

Regulators and standards organisations
confirm validity of solutions

Prize competitions
popularise useful solutions

User-oriented software suppliers
implement solutions

User conference
gathers users, researchers, suppliers

User satisfaction measurements
confirm usability of solutions

Trade press
scrutinises solutions

Interdisciplinary usability research lab
documents shared demand

User organisation
articulates user demand

Popular media
informs about solutions

User panel
gathers experienced users

Research groups
invent solutions

informs
communicate

User groups
complain by pointing out solutions

San Mateo County Union Community Alliance

San Mateo County Enacts "Living Wage" Ordinance

0 Comments / November 2, 2016

Read more →

TIP Sheet for November 2016
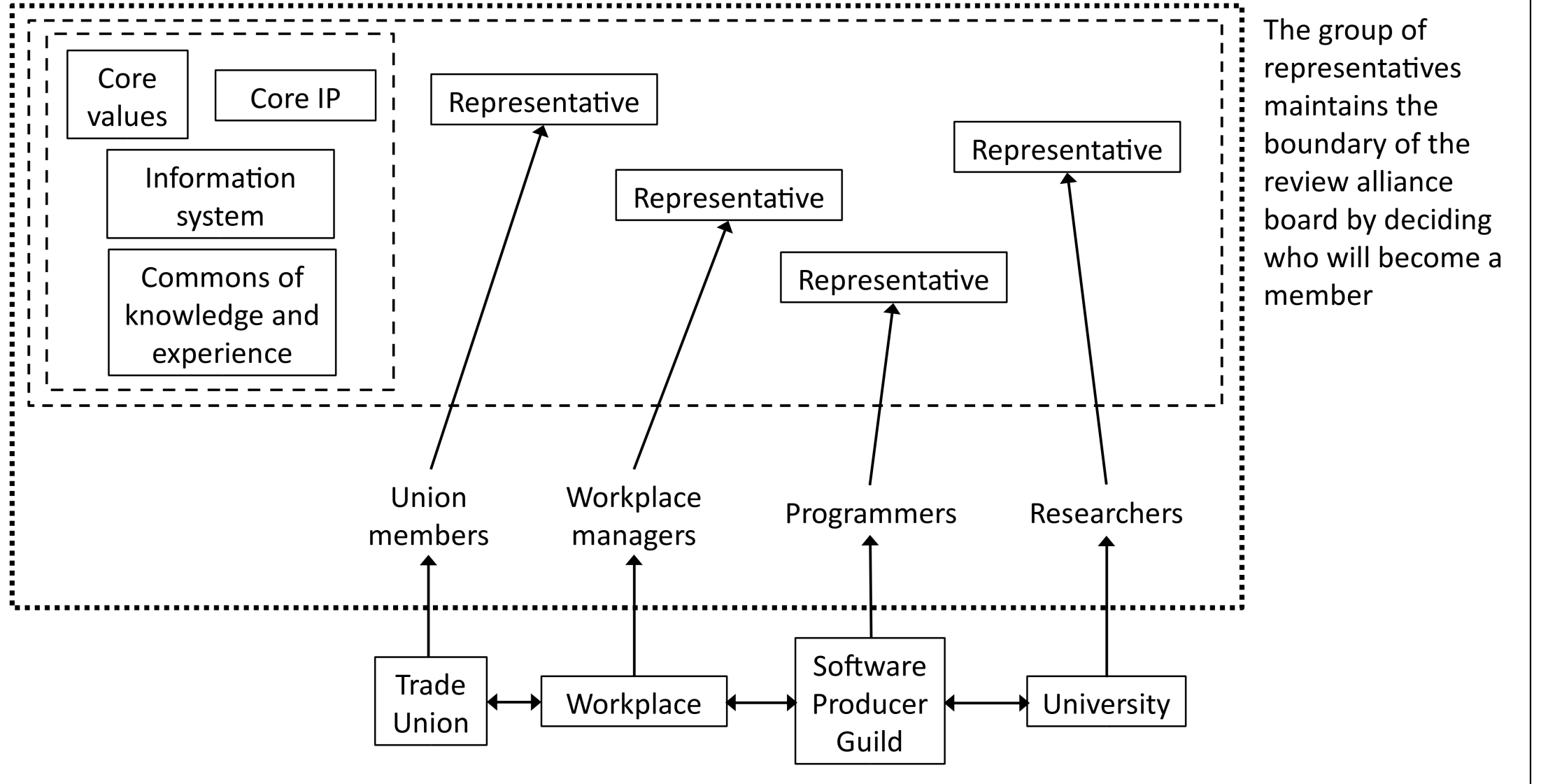
0 Comments / October 31, 2016

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TIP Sheet for October 2016

0 Comments / October 11, 2016

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Platform Review Alliance Board

Core values

Core IP

Information system

Commons of knowledge and experience

Representative

Representative

Representative

Representative

The group of representatives maintains the boundary of the review alliance board by deciding who will become a member

Union members

Workplace managers

Programmers

Researchers

Trade Union ↔ Workplace ↔ Software Producer Guild ↔ University

The Alliance Board model as a design pattern

Context:
Platform Economy,
Trade Union,
Cooperative,
Software Producer Guild.

Problem Definition:
The Platform Economy pattern, where centrally owned online servers facilitate workers and employers to interact individually, undermines collective action.

Forces:
A mechanism for centralized interaction means workers interact individually with each other rather than in groups. Existing organisational patterns, particularly Universities, Trade Unions, Guilds and Small Work Groups are being bypassed by the Platform Economy pattern.

Solution:
Create a Platform Review Alliance Board that can be a central body to link together and strengthen existing organisational patterns, particularly Universities, Trade Unions, Guilds and Small Work Groups in the context of workplace software production and review. Individuals who are members of these organisations can interact via their organisation and the Review Board.

Supporting Patterns:
User Software Satisfaction Survey,
Users' Software Review,
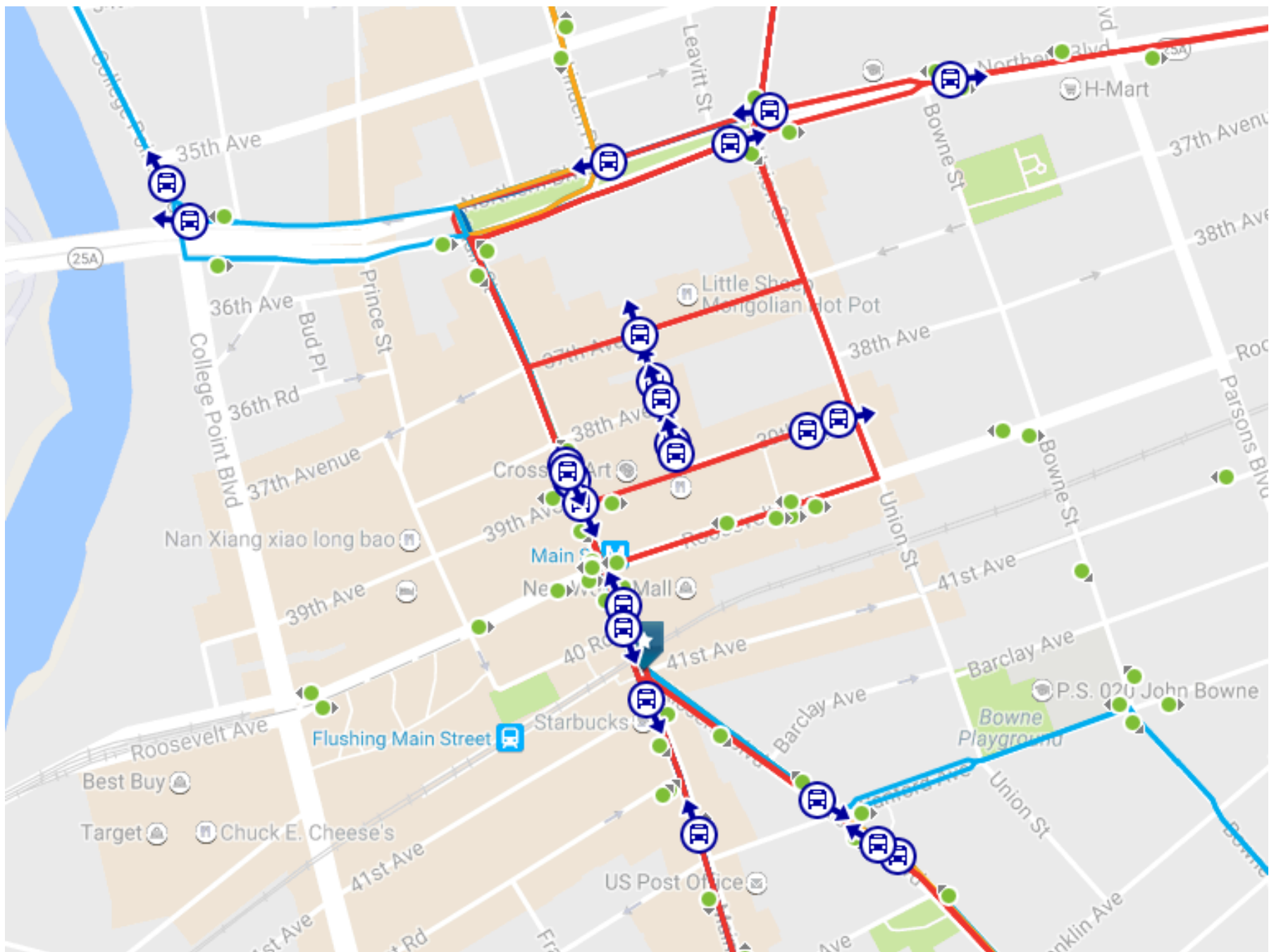Master and Apprentice.

Example:
There are examples of components of this pattern.

The Indicators Perspectives Framework

- A framework that enables one key group of indirect stakeholders – relevant organizations (e.g., advocacy groups, government agencies, and business associations) – to become direct stakeholders in digital government systems for use in the public arena.

- A process for relevant organizations to help guide the development of the system.

Friedman, B., Borning, A., Davis, J.L., Gill, B.T., Kahn Jr, P.H., Kriplean, T. and Lin, P., 2008, May. Laying the foundations for public participation and value advocacy: Interaction design for a large scale urban simulation. In Proceedings of the 2008 international conference on Digital government research (pp. 305-314). Digital Government Society of North America.

Thank you

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