

FinEst Centre
for Smart Cities

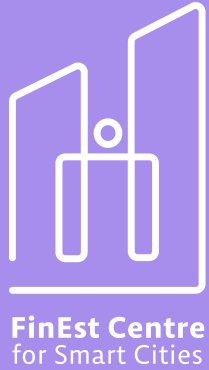
Experimenting & Piloting in Smart Cities

Matti Hämäläinen
Forum Virium Helsinki



Funded by
the European Union

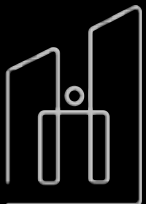
This project is funded by two grants: the European Union's Horizon 2020 Research and Innovation Programme, under the grant agreement No. 856602, and the European Regional Development Fund, co-funded by the Estonian Ministry of Education and Research, under grant agreement No 2014-2020.4.01.20-0289.



Co-Creation, Co-Development & Agile Pilots

5. Co-Creation, Co-Development & Agile Pilots

- Co-creation journey
- Common goal identification
 - Template exercise
- Participation
- Tools and methods introduced
- *Research Perspective*
 - *What should be considered when using this in research context?*



Agenda

- Co-Creation Journey
- Diversity in a Team
- Dealing with Diversity
- Art of Co-Creation Decoded

PREPARATION

ACT ONE
THE KNOWN

inputs, divergence

ACT TWO
THE UNKNOWN

presenting, emergence

ACT THREE
THE NEW

crystalizing intent,
prototyping, convergence

FOLLOW-UP

What is Co-Creation?

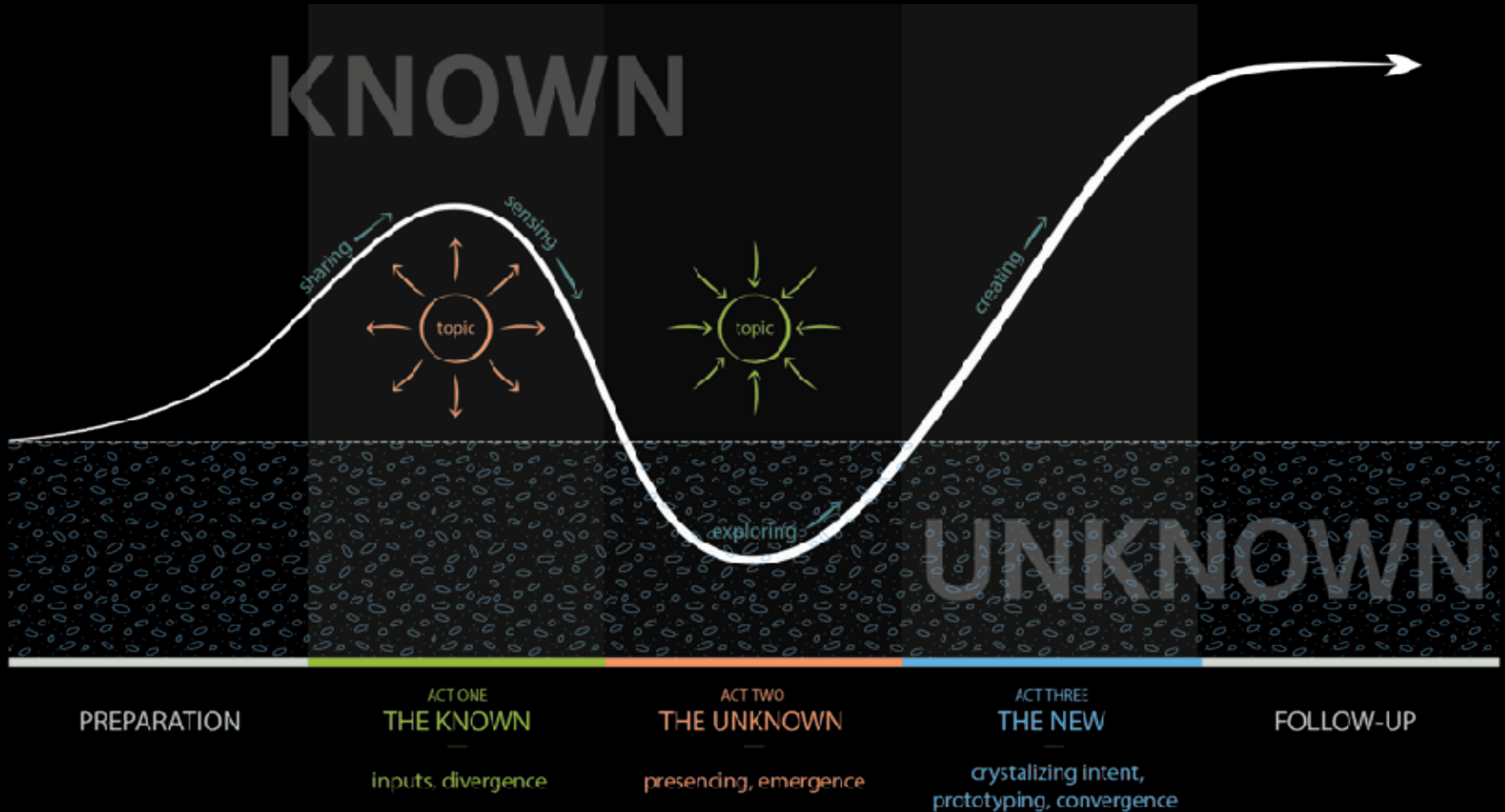
*Co-creation is a creative process that taps into the **collective potential of groups** to generate insights and innovation.*

More specifically, co-creation is

- 1) a process, in which
- 2) a team of **diverse stakeholders** is
- 3) **actively engaged** in a
- 4) **mutually empowering** act of
- 5) **collective creativity** with
- 6) **experiential** and
- 7) **practical** outcomes.



Co-Creation Journey



Diversity in a Team

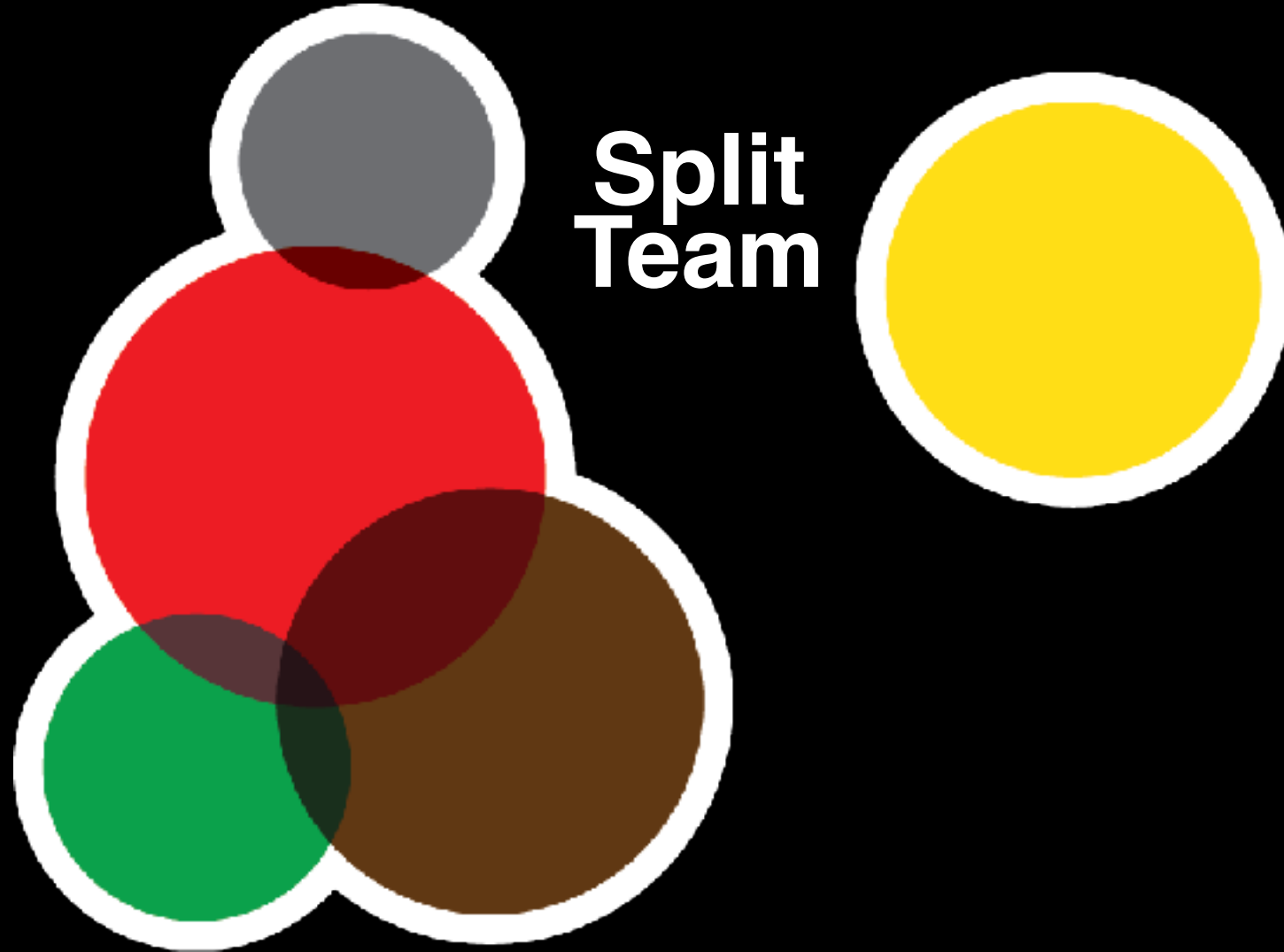
Diversity in a Team



Diversity in a Team

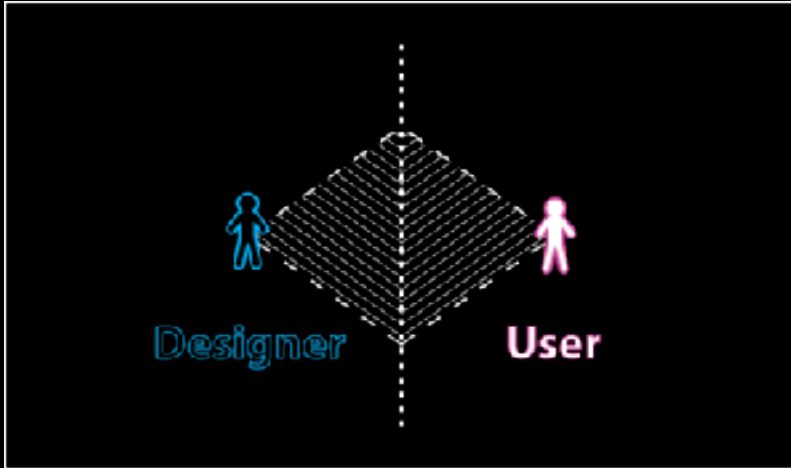


Diversity in a Team



Design Collaboration

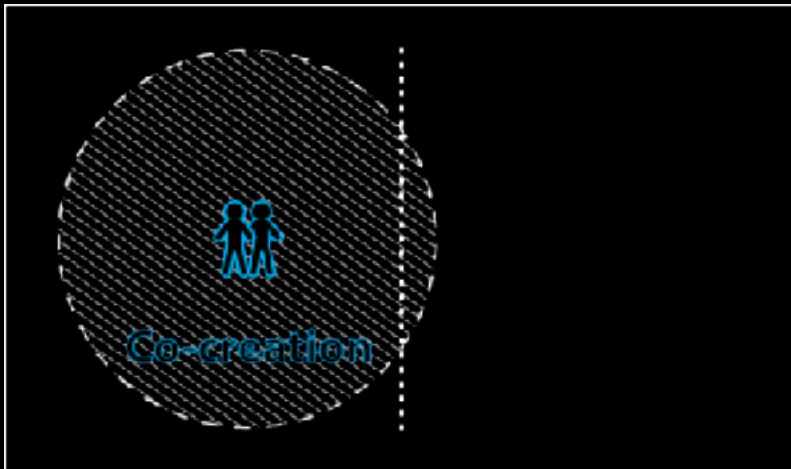
Traditional Design



User Innovation



Collaborative Design

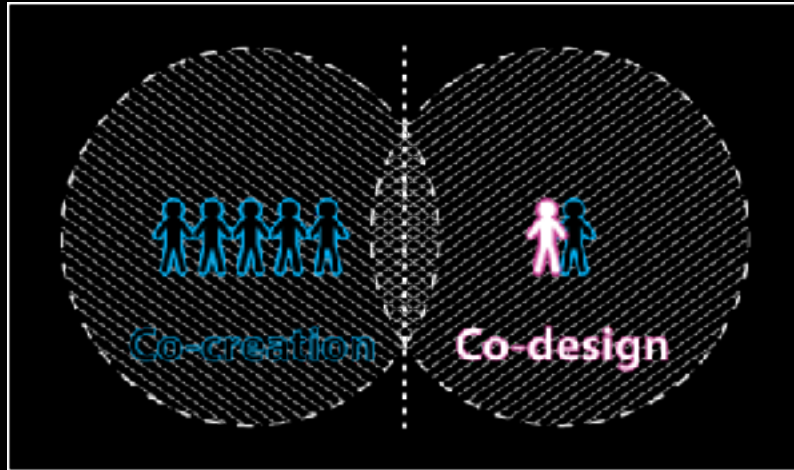


Participatory Design

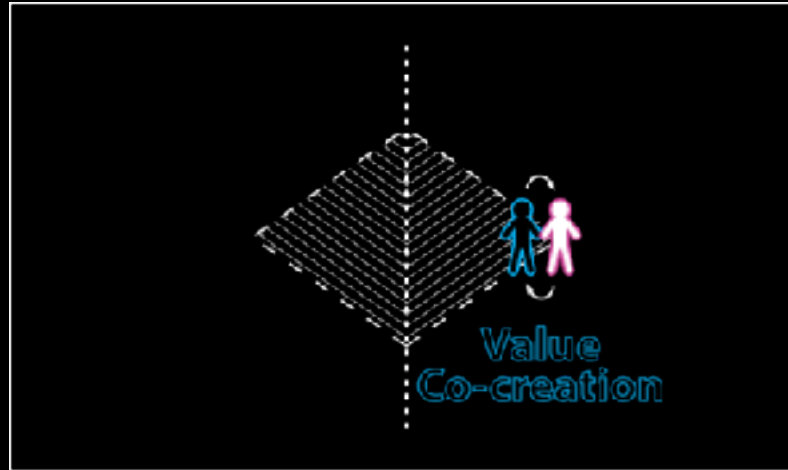


Co-creation

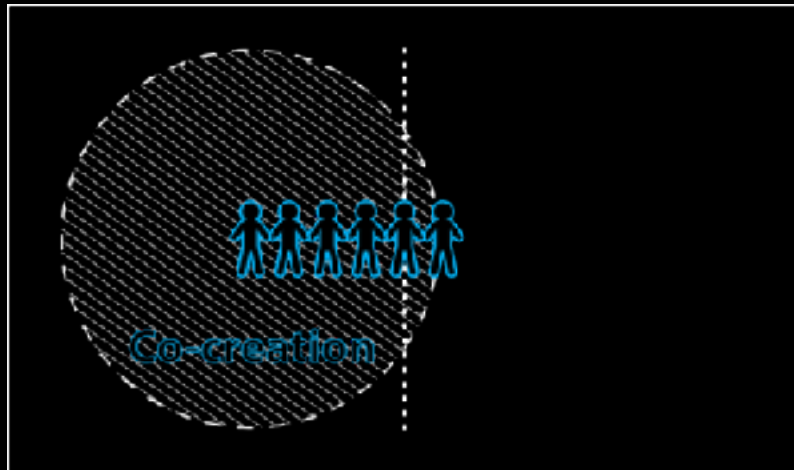
Co-creation A & B



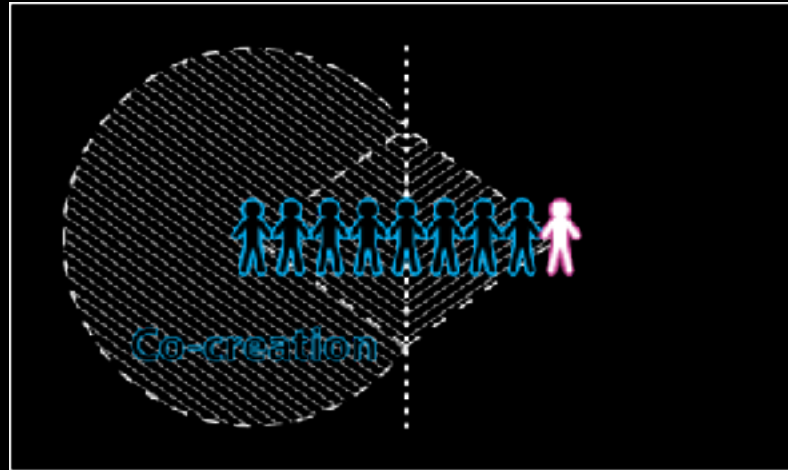
Co-creation E



Co-creation C



Co-creation D



Dealing with Diversity

Diversity in a Team

Easy Team

Difficult Team



Dealing with Diversity

Command & Control

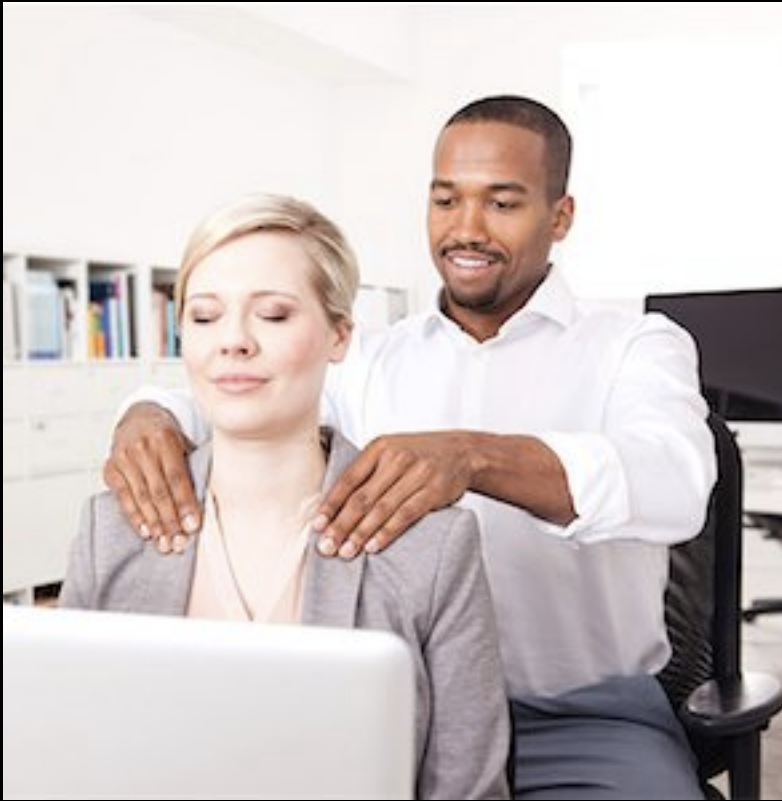


Encourage & Empower



Dealing with Tension

Release & Reduce



Increase & Control



"The absence of conflict is not harmony, it's apathy"
-Kathleen Eisenhardt

Collective Intelligence



Complementary areas of knowledge covered by team members



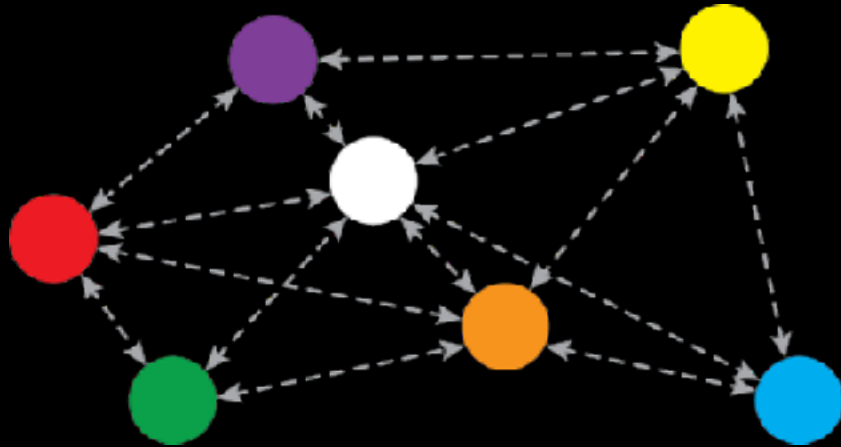
A network of knowledge bridges between team members of a novice team.



Knowledge bridges between team members of an experienced team.

Team Dynamics

Conflict



Alignment



Co-Creative Resonance

Dominance



Resonance



Co-Creation Decoded

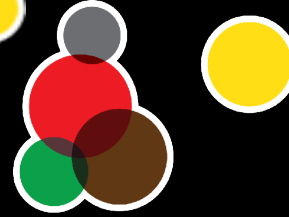
Process for a Co-Creation Journey

0) Identify your objectives and plan the project

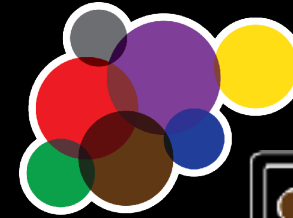
1) Define Project Stakeholders



2) Identify gaps in knowledge & skills



3) Assemble and engage your co-creation team



4) Teach and train co-creation skills of your team



5) Share knowledge within your team



6) Produce new knowledge with your team



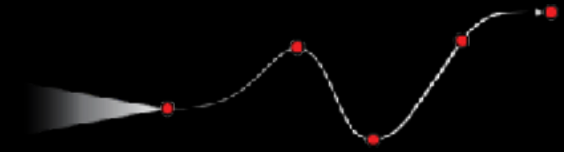
7) Use collective intelligence to co-create



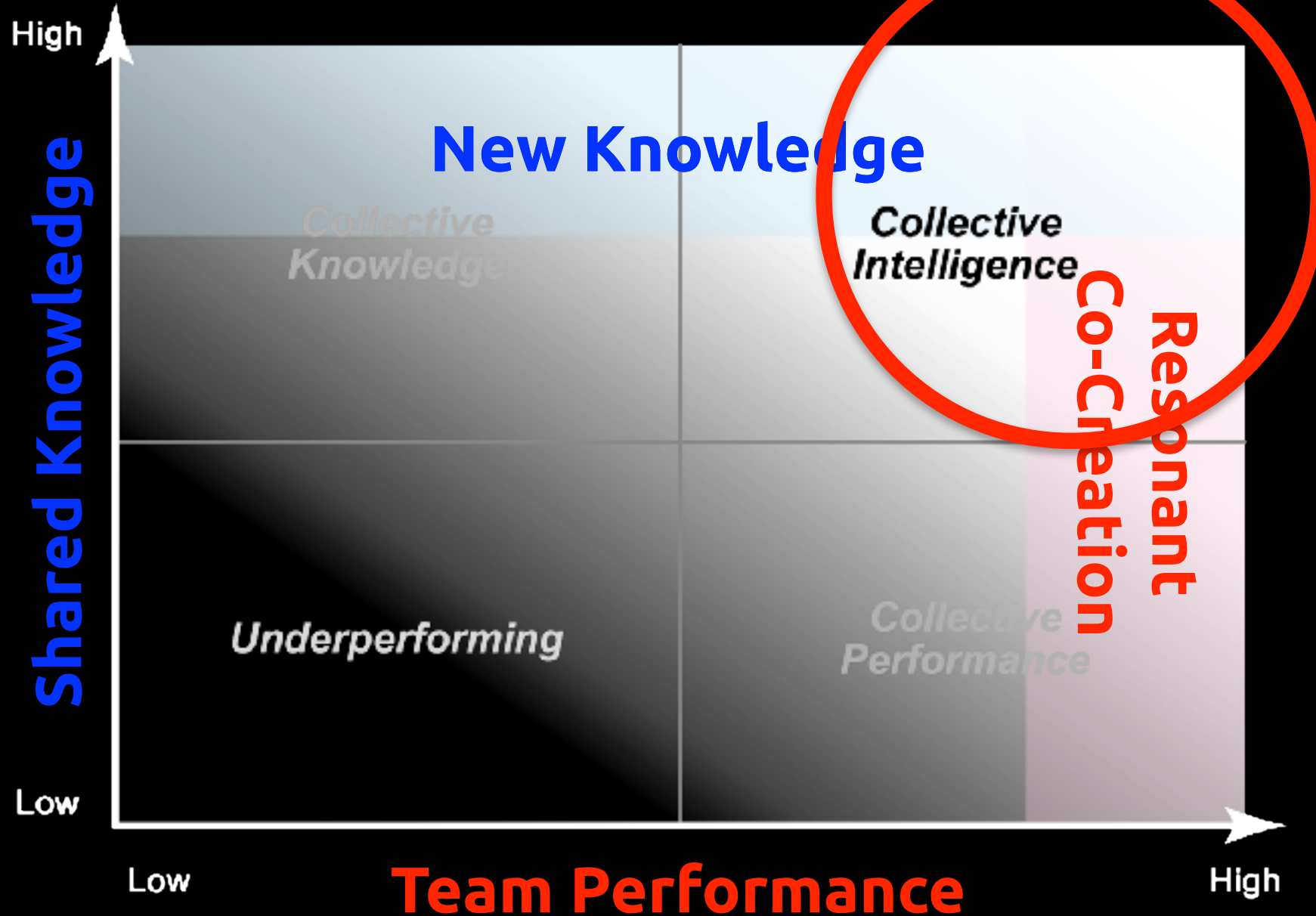
8) Record & document results for further use



9) Come back for piloting & testing



Collective Intelligence



BRYAN R. RILL AND MATTI M. HÄMÄLÄINEN

THE ART OF CO-CREATION

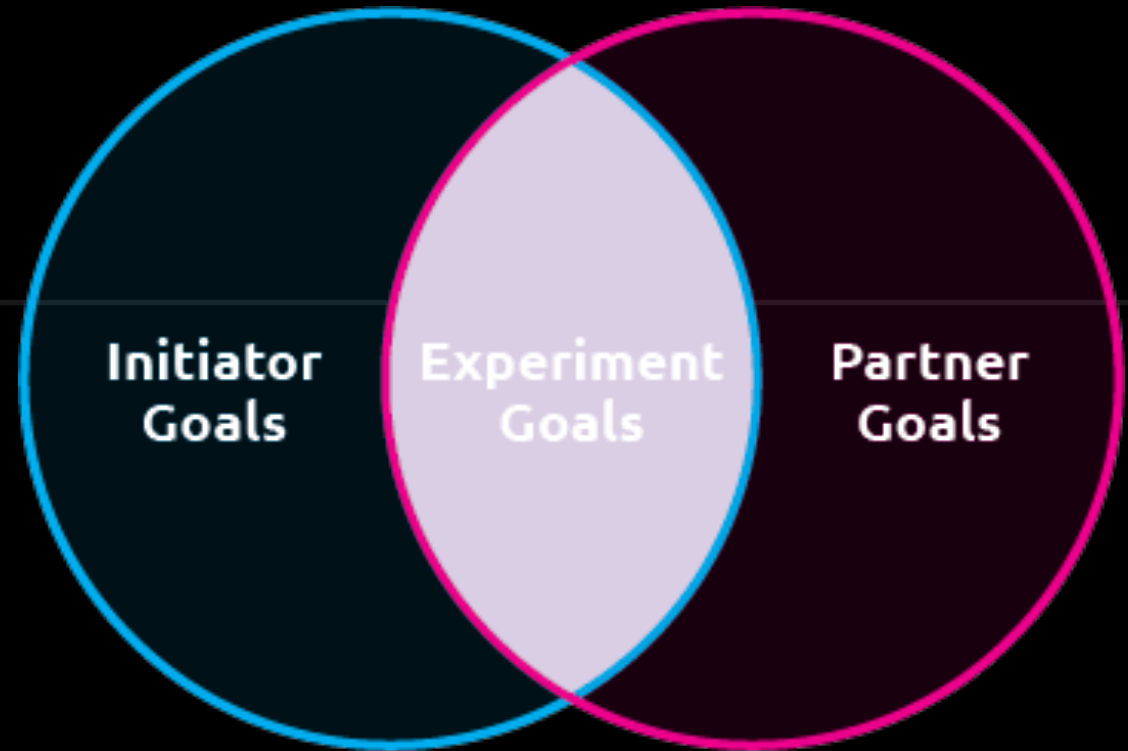
A GUIDEBOOK FOR PRACTITIONERS



@MattiHamis

PROUD
to be a
Palgrave Macmillan
Author
Read a free
preview!

Piloting Plan

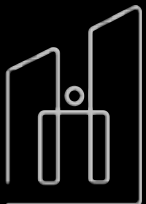


6. Piloting as Research Methodology

- Research Perspective
- (Seminar rather than lecture)

Exercise

- Create Pilot based Research Plan

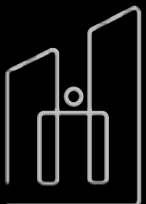


Experimenting & Piloting in Smart Cities

Pilot Project (Jun 27th–Aug 30th)

- | | |
|---|---|
| 8. Pilot Project kick-off | Thu Jun 30 th 16:00–16:30 |
| 9. Check-point Meetings | (Jul 11 th –Aug 19 th) |
| 10. Pilot Presentations & Evaluation | Tue Aug 30 th 15:30–17:00 |
| 11. Review & Feedback | Tue Aug 30 th 15:30–17:00 |

COMPLETION & EVALUATION: Pilot Project Documentation



**TAL
TECH**

A?
Aalto University

**FORUM
VIRIUM
HELSINKI**



REPUBLIC OF ESTONIA
MINISTRY OF ECONOMIC AFFAIRS
AND COMMUNICATIONS



REPUBLIC OF ESTONIA
MINISTRY OF EDUCATION
AND RESEARCH



European Union
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Development Fund

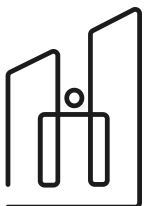


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