Experimenting & Piloting in Smart Cities

FinEst Centre for Smart Cities

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Funded by the European Union

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Piloting as Research Methodology

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6. Piloting as Research Methodology

- Research Perspective to Piloting and Co-Creation
- (Seminar rather than lecture)

Exercise
- Create Pilot-based Research Plan

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Agenda

- How to apply Piloting in your research?
  - *What aspects of Piloting support doing research?*
  - *What aspects of Piloting act against (academic) research?*

Testing or Piloting?

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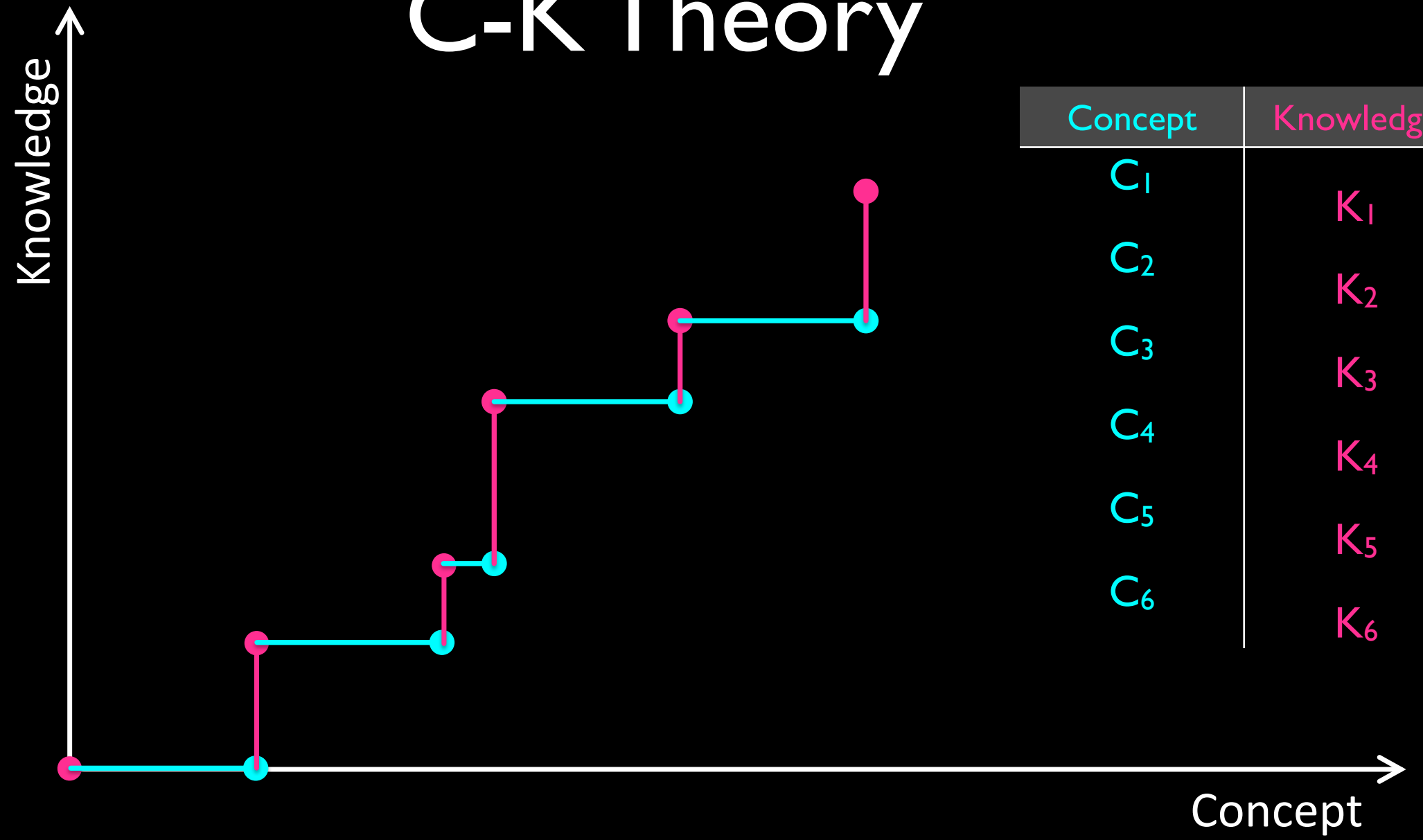
C-K Theory



Concept	Knowledge
C_1	K_1
C_2	K_2
C_3	K_3
C_4	K_4
C_5	K_5
C_6	K_6

** Hatchuel & Weil, 2002 - C-K theory*

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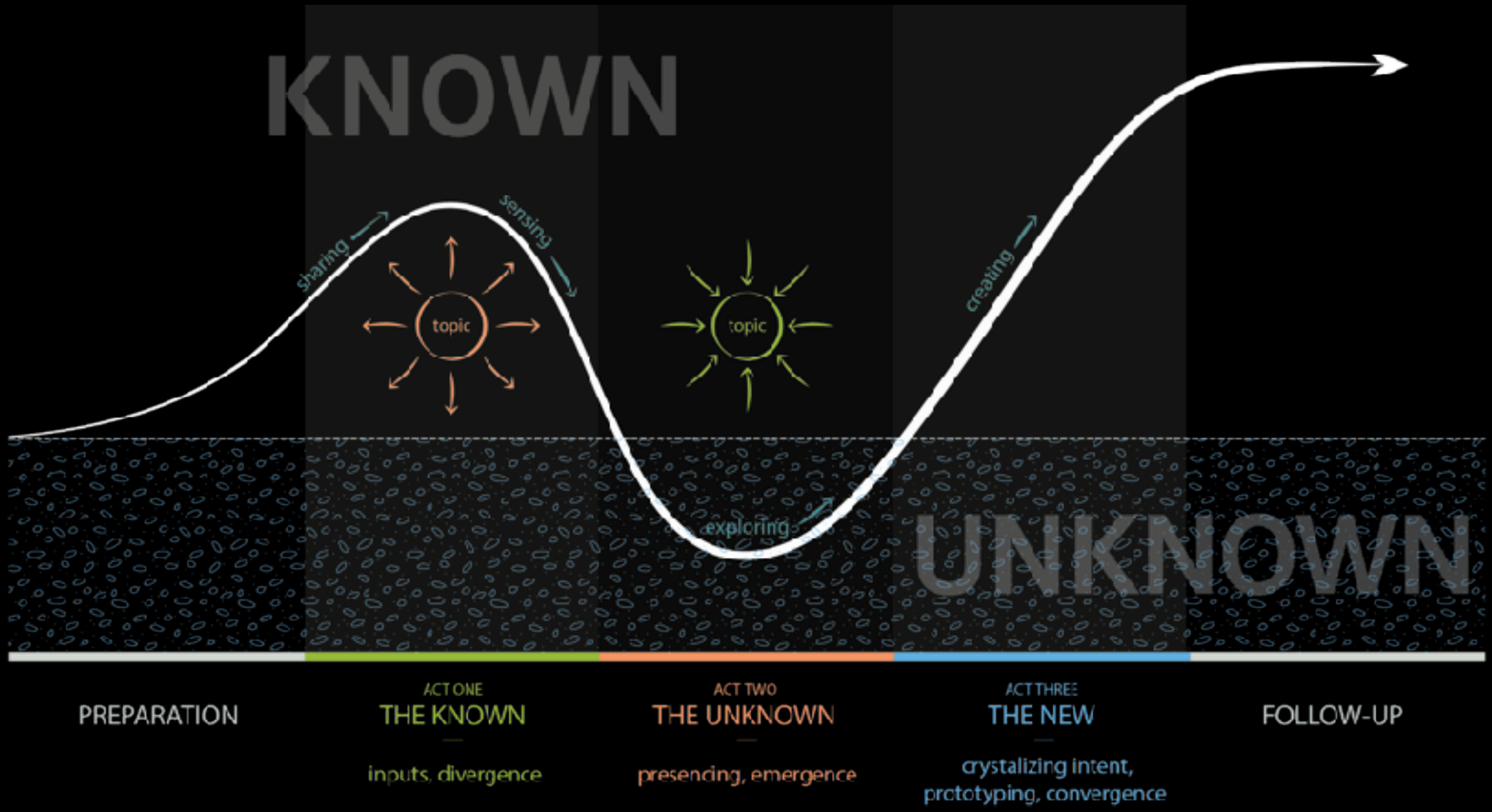
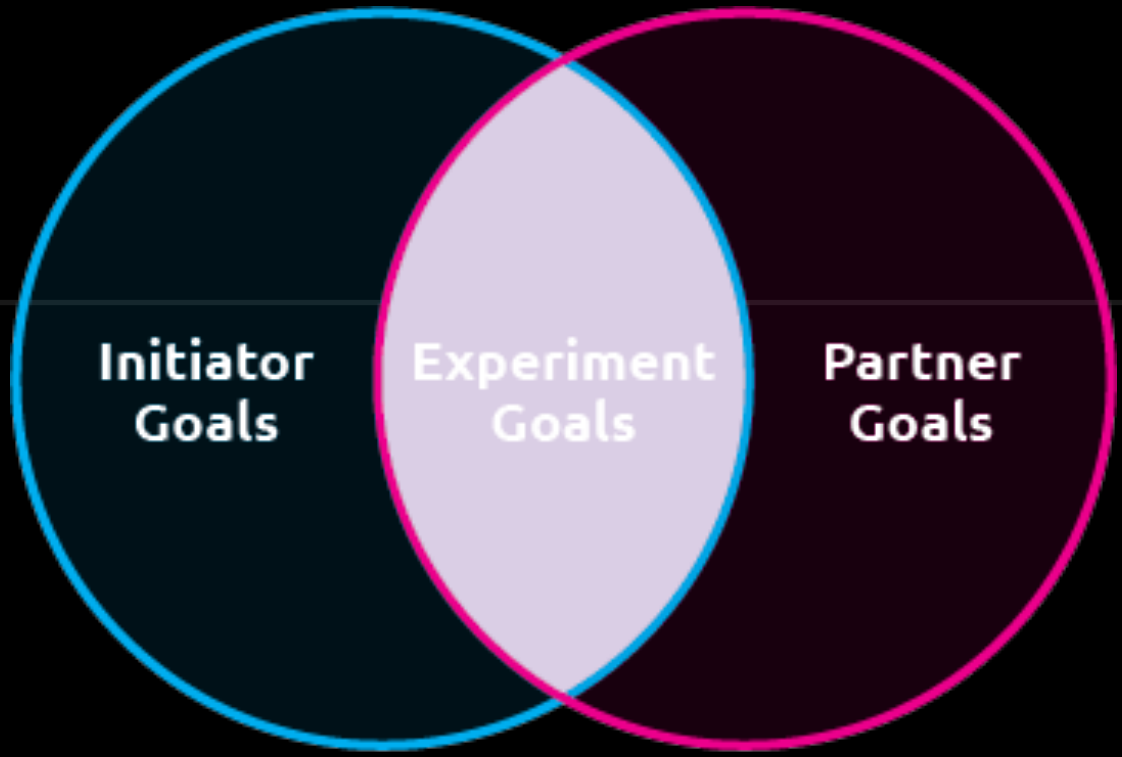
Co-Creation Journey



Piloting Plan



Building and Piloting Plan

1) Define your **Goals** for the Pilot
   - Piloting, Testing, or Co-Creation?
2) Draft a **Schedule**
   - **Gantt Chart** also shows interdependencies
3) Define your **key Stakeholders**
   - **What roles** do you want them to play in the project?
   - How can you **engage** and **activate** them?
   - **Communication Plan**?
4) Assign your Experimentation **Team**
   - **Recruit & Build** the team
   - Plan Experiment **Facilitation**
5) Define the Steering, Supervising, and Evaluation Process
   - Form a **Steering Group**
   - What should be **documented**?
6) Define the **Administration**
   - Permissions?
   - Written **Agreement**
7) Plan the **Follow-up** Activities
   - Feedback
   - Evaluation
   - Reports
   - Wrap-up
8) Return for **Round Two**, Three, Four, …
   - Co-Creation round, testing round, demo round, …

Exercise

- **Create a detailed Pilot Plan**
  - Timeline
  - Stakeholders
  - Resources
  - Service Blueprint
  - Customer Journey

(Working) Title of the Pilot:

What? *What are you **doing**?*	**Outcomes & Objectives** *Expected **results**; What are you trying to achieve? What are you expecting to learn?*
How? *Rough plan*	**Indicators** *Metrics; How do you know you have succeeded?*
When? *Start + Finish; CheckPoints*	**Superivision & Follow-up** *Who **supervises** and how?* *Who **evaluates** and how?*
Who? *Who executes? Who delivers? Who mentors?*	**Resources** *Persons + Costs*

Step 1

What? When? Who? How?

Step 2

What? When? Who? How?

Step 3

What? When? Who? How?

7. Exam

Thu June 30th at 15:30

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TAL TECH

Aalto University

FORUM VIRIUM HELSINKI

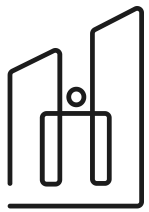
Republic of Estonia
Ministry of Economic Affairs and Communications

Republic of Estonia
Ministry of Education and Research

European Union
European Regional Development Fund
Investing in your future

European Commission

Horizon 2020
European Union funding
for Research & Innovation



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