

Open Innovation Learning and Open Data

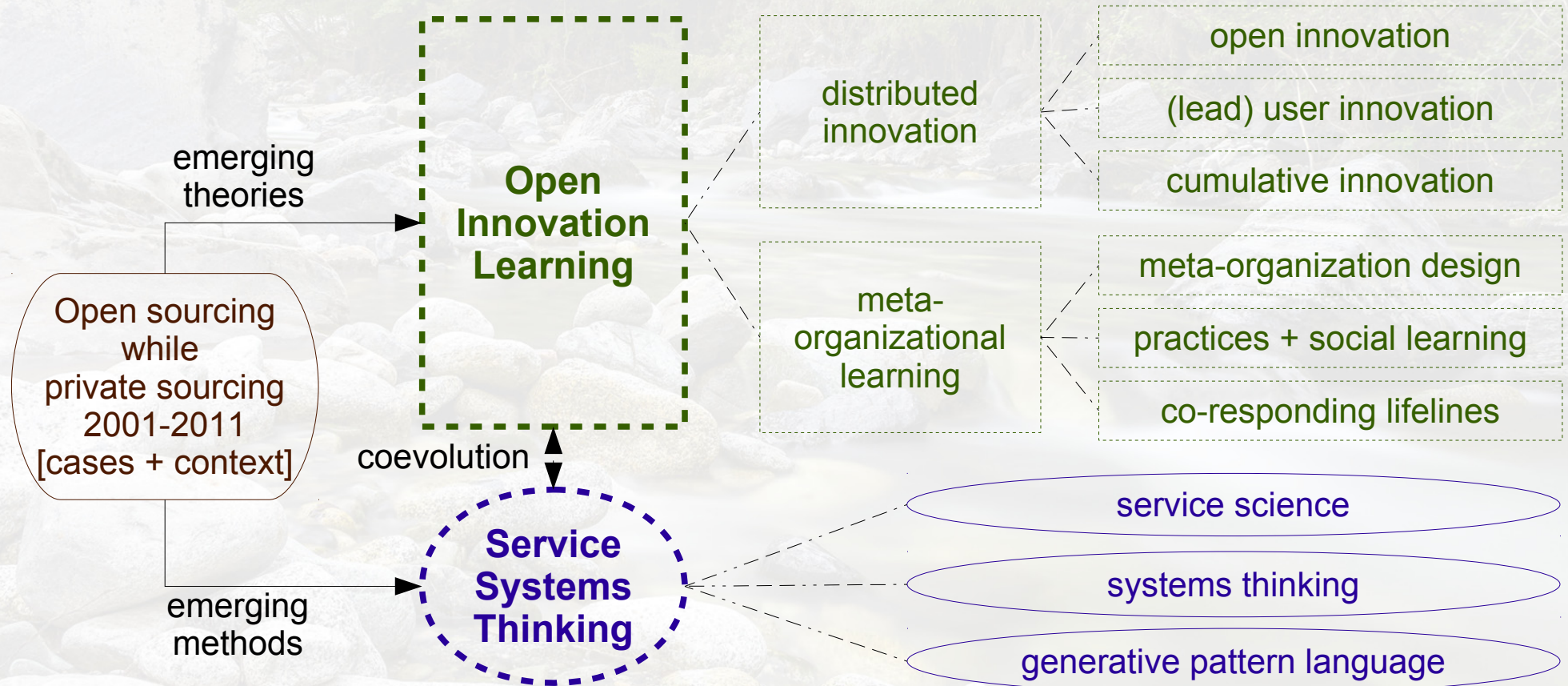
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Aalto University and
the International Society for the Systems Sciences

Open Data Häme
Häme University of Applied Sciences, Finland
August 10, 2017

Agenda

1. Why does *open data* mean *open sourcing* (with commercial potential)?
2. When did *open data* begin? What's the history?
3. How do behaviours change with *open innovation learning*?

Open innovation learning is emerging theories based on open sourcing while private sourcing



Sourcing behaviours have analogies in other human activities

Private Sourcing only

Open Sourcing only

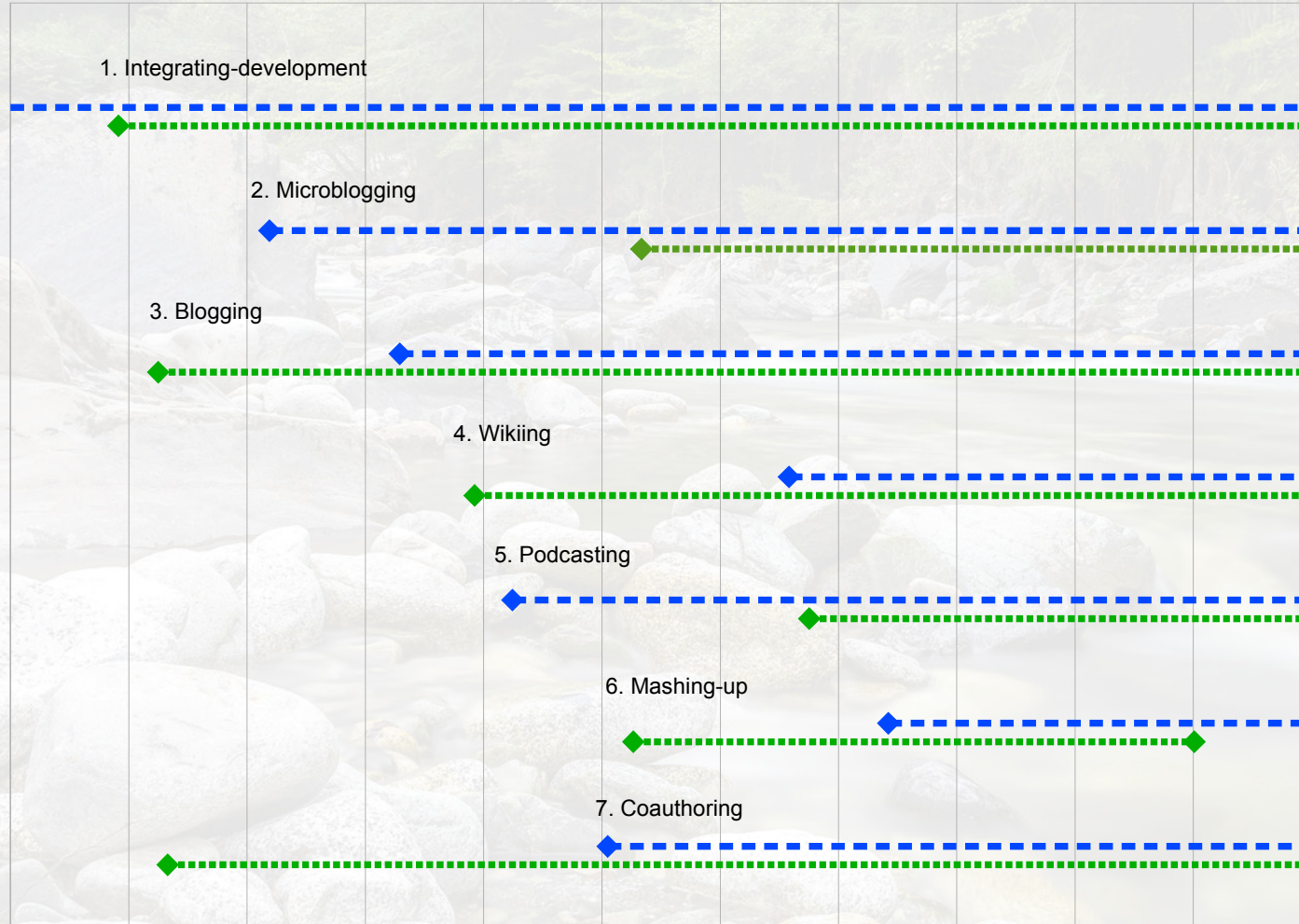
Open Sourcing while Private Sourcing

*Aquafarming
as Private Sourcing
[cultivating species
in pens]*

*Capturing Wild Fish
as Open Sourcing
[sharing naturally
wild fish harvests]*

*Ocean Ranching as Open Sourcing while Private Sourcing
[conforming with aquaculture regulations, and the law of the sea
(200 mile exclusive economic zones, and high seas)]*

Private sourcing Open sourcing



Artifacts and practices show *open innovation learning* as new in 2001, becoming more natural circa 2006-2007

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Society, at large, woke up to open sourcing by 2005

1. IBM senior managers advancing strategic bets on future drivers

open sourcing while private sourcing

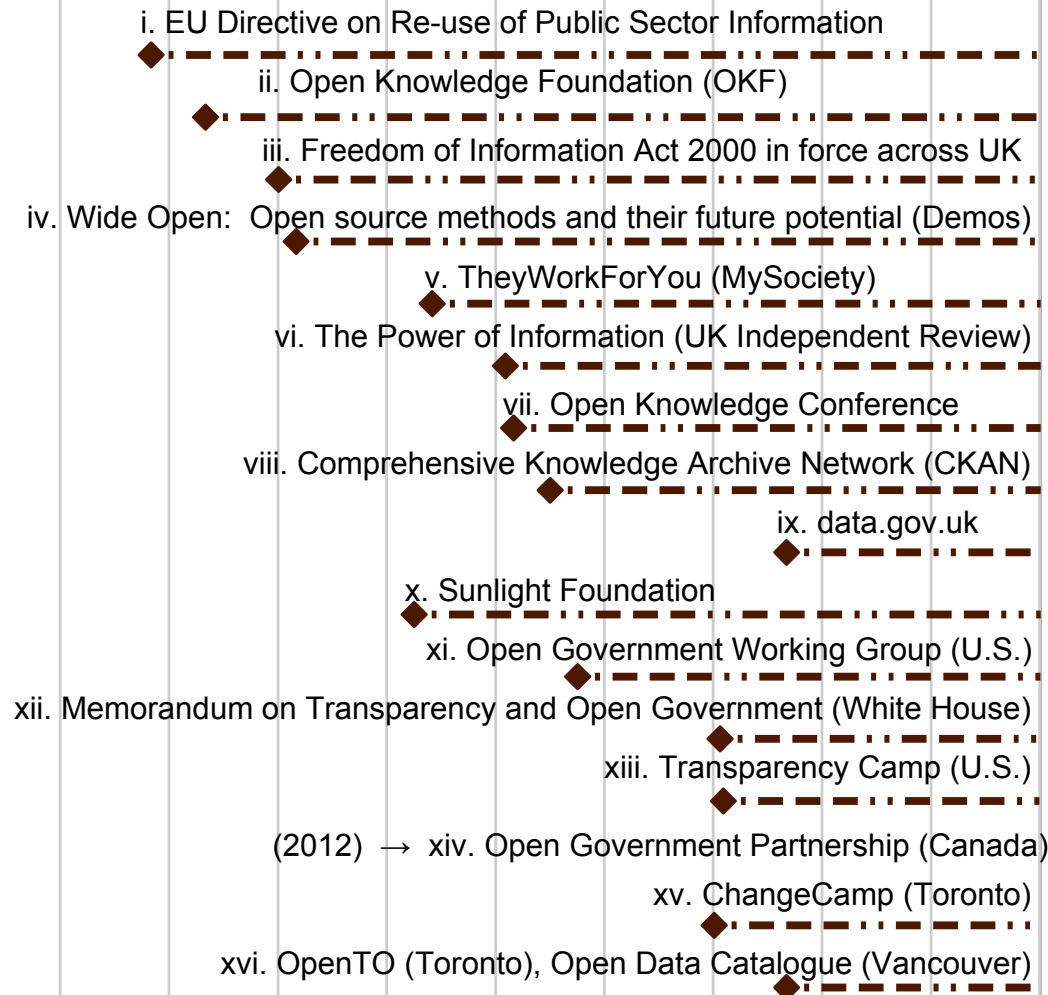
2. IBM employees
engaging

3. IBM consultants
probing

4. IBM researchers
scouting

5. At large: businesses, creatives, governments, makers and academics, taking up

- a. From 2002, private sourcing businesses exploring open sourcing
- b. From 2002, Creative Commons licensing
- c. From 2005, open government data with citizens
- d. From 2005, open source hardware with the maker movement
- e. By 2006, research on (commons-based) peer production



The open data movement with government started in:

2002 with the EU directive;

2003 in the UK;

2006 in the U.S.

Open Data


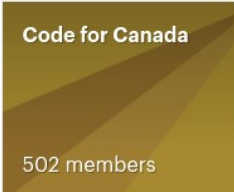

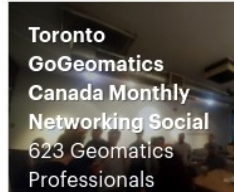
Find out what's happening in Open Data Meetup groups around the world and start meeting up with the ones near you.

309,651 members 531 Meetups



Open Data Meetups near you

more local Meetups >

 <p>Civic Tech Toronto</p> <p>2,335 Civic hackers</p>	 <p>Code for Canada</p> <p>502 members</p>	 <p>Open Toronto</p> <p>1,166 Engaged Citizens</p>	 <p>Toronto GoGeomatics</p> <p>Canada Monthly Networking Social</p> <p>623 Geomatics Professionals</p>
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Open Government



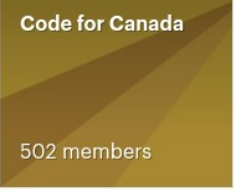

Find out what's happening in Open Government Meetup groups around the world and start meeting up with the ones near you.

157,206 members 334 Meetups



Open Government Meetups near you

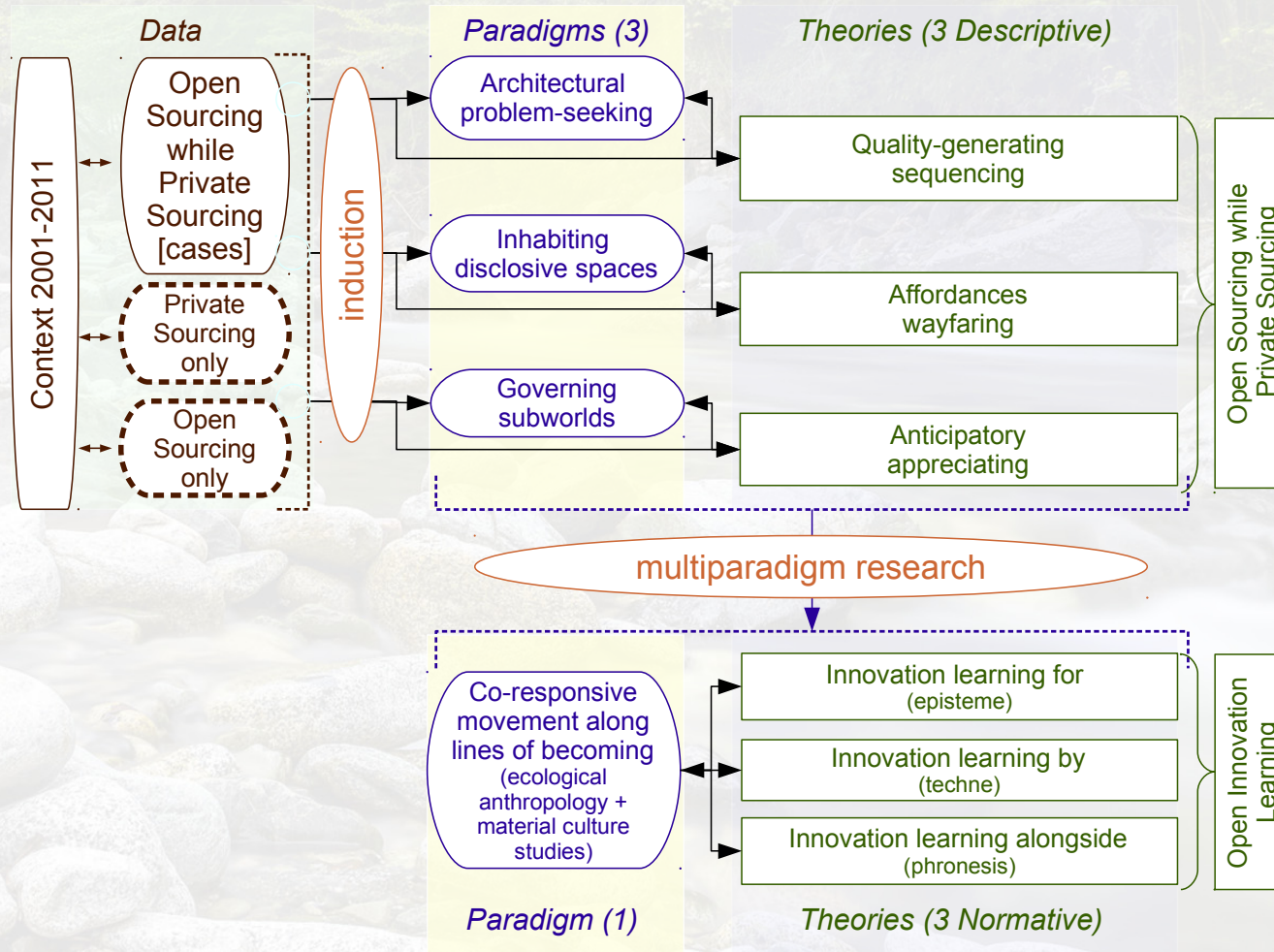
more local Meetups >

 <p>Civic Tech Toronto</p> <p>2,335 Civic hackers</p>	 <p>Digital Government in Ontario</p> <p>741 Members</p>	 <p>Code for Canada</p> <p>502 members</p>	 <p>Open Toronto</p> <p>1,166 Engaged Citizens</p>
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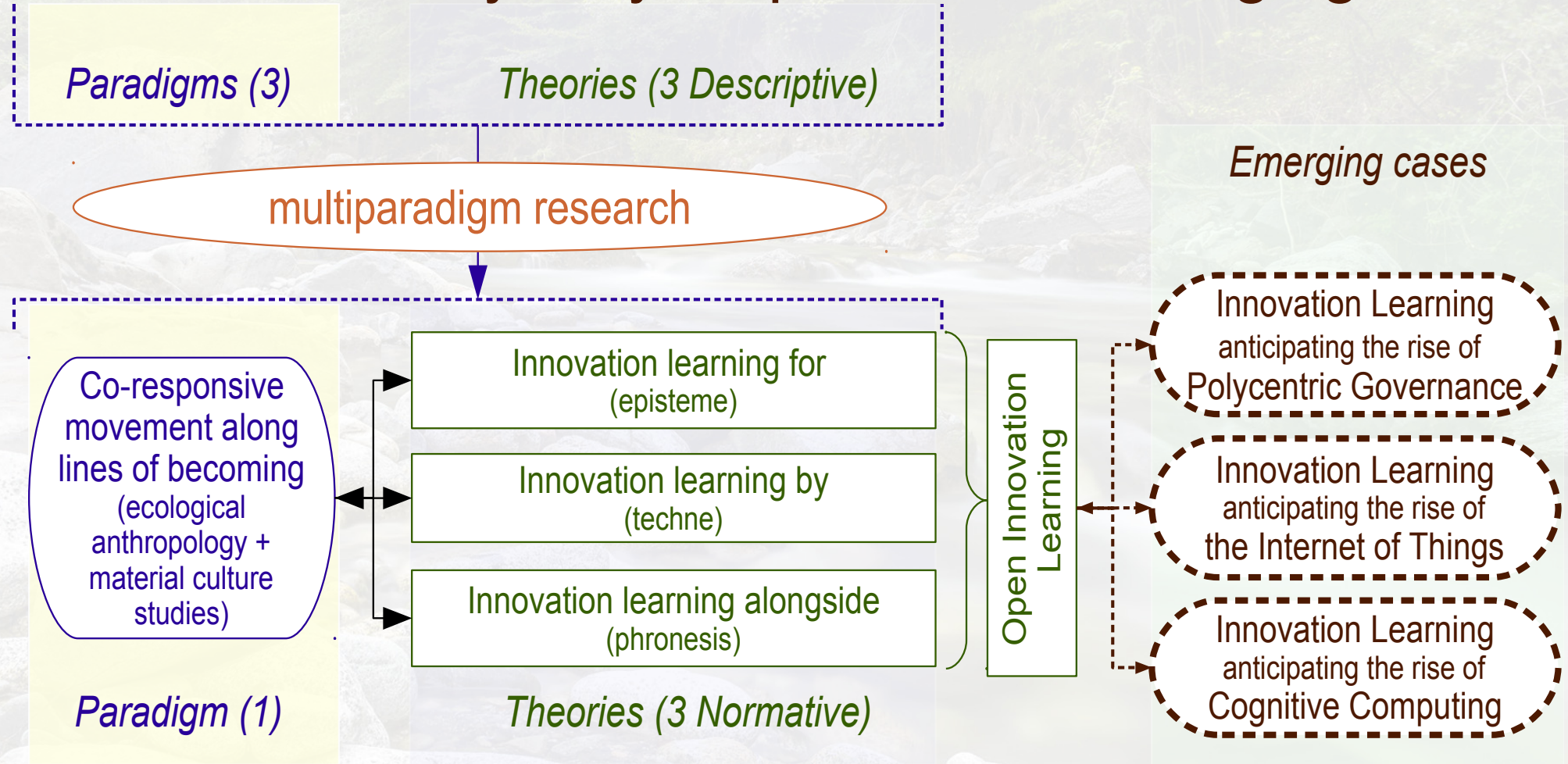
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The dissertation builds 3 descriptive theories + 3 normative

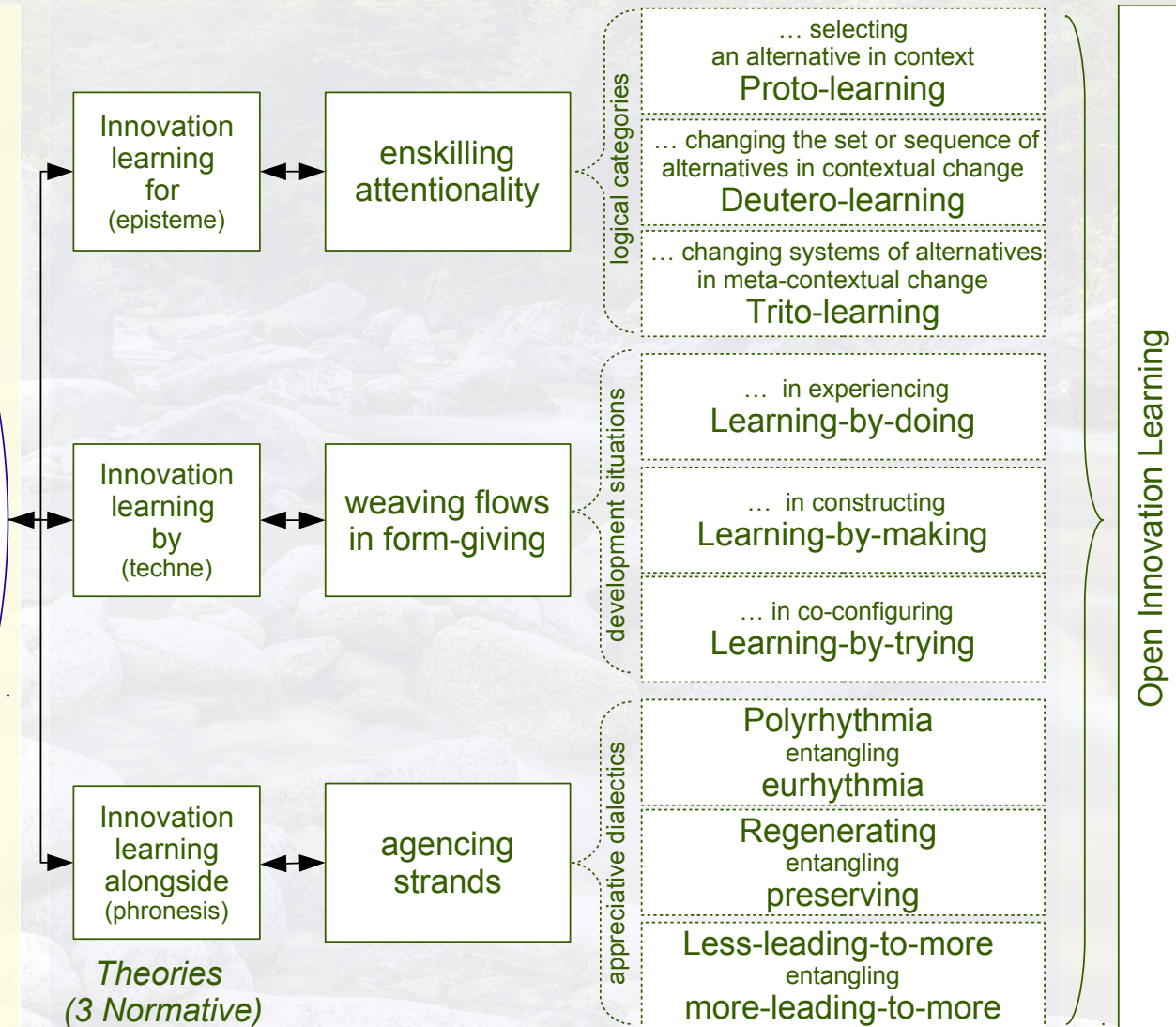


Normative theory may help in future emerging cases



Co-responsive movement along lines of becoming (ecological anthropology + material culture studies)

Paradigm (1)



The challenge making innovation learning actionable is exhibited in a more detailed variety of distinctions

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