



Co-reflection: User Involvement for Highly Dynamic Design Processes

co-reflection

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Where innovation starts

reflective transformative design process

user involvement

constructivist approach

co-reflection

conclusions

**Co-reflection:
User Involvement for Highly
Dynamic Design Processes**

reflective transformative design process

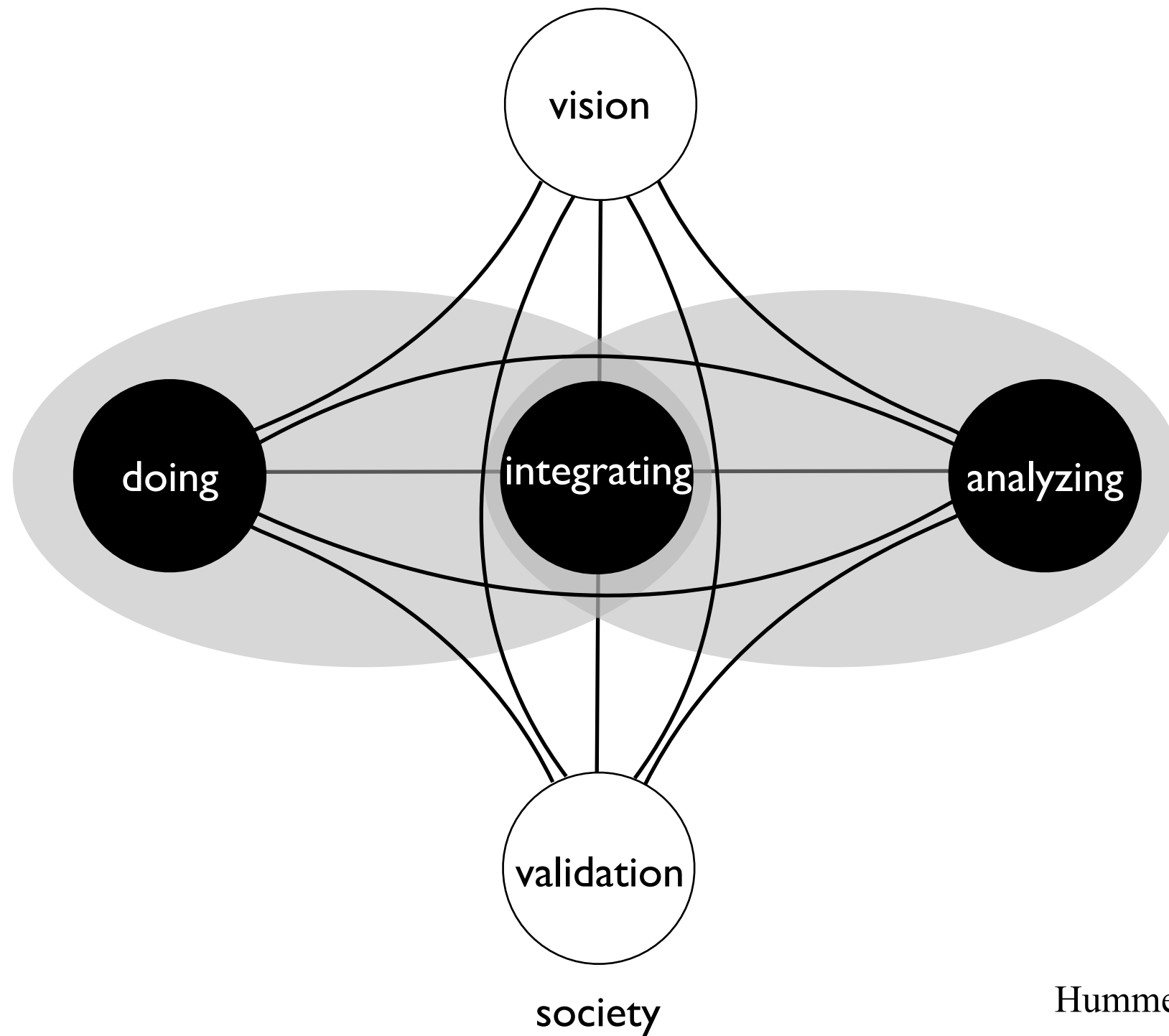
user involvement

constructivist approach

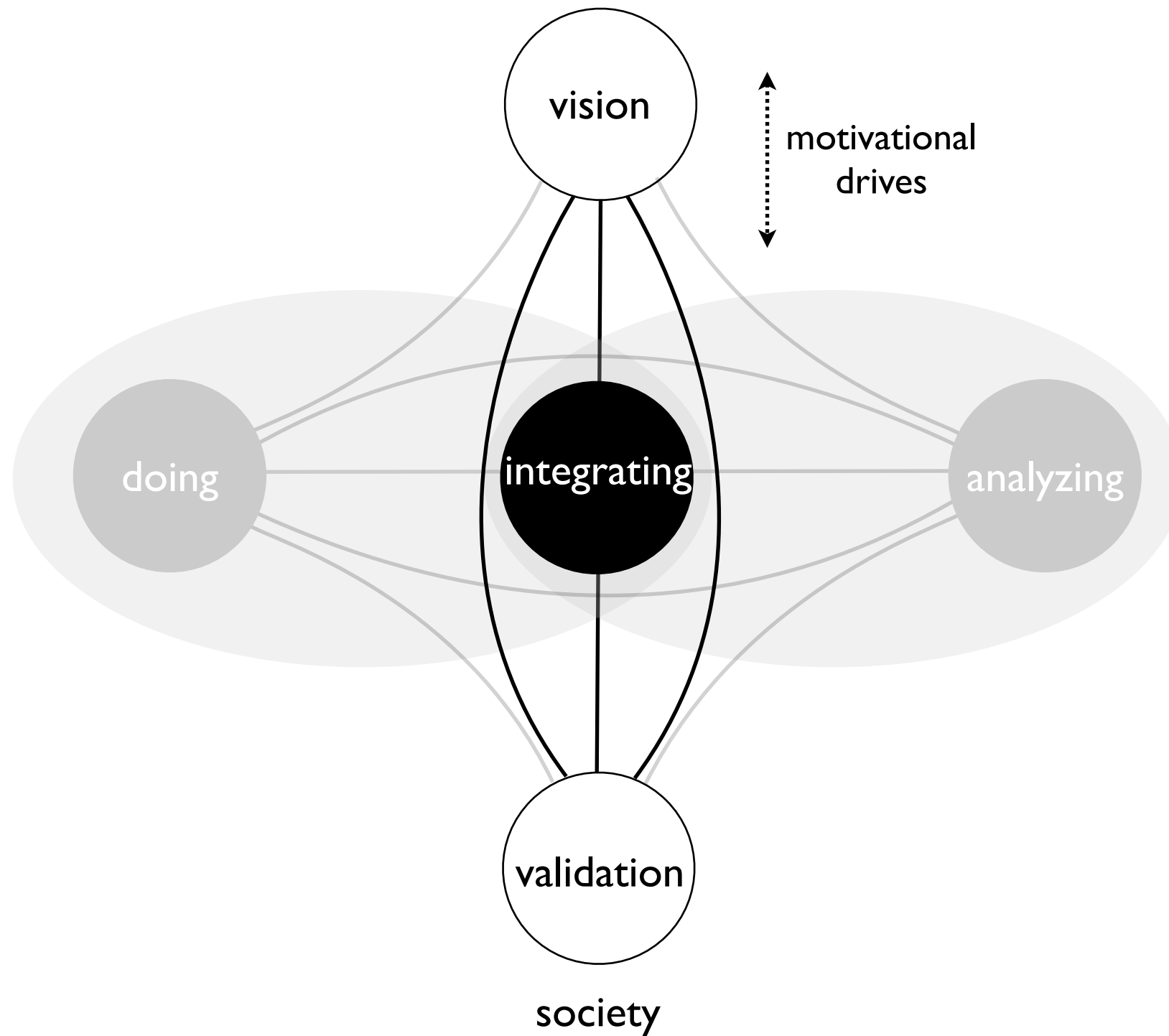
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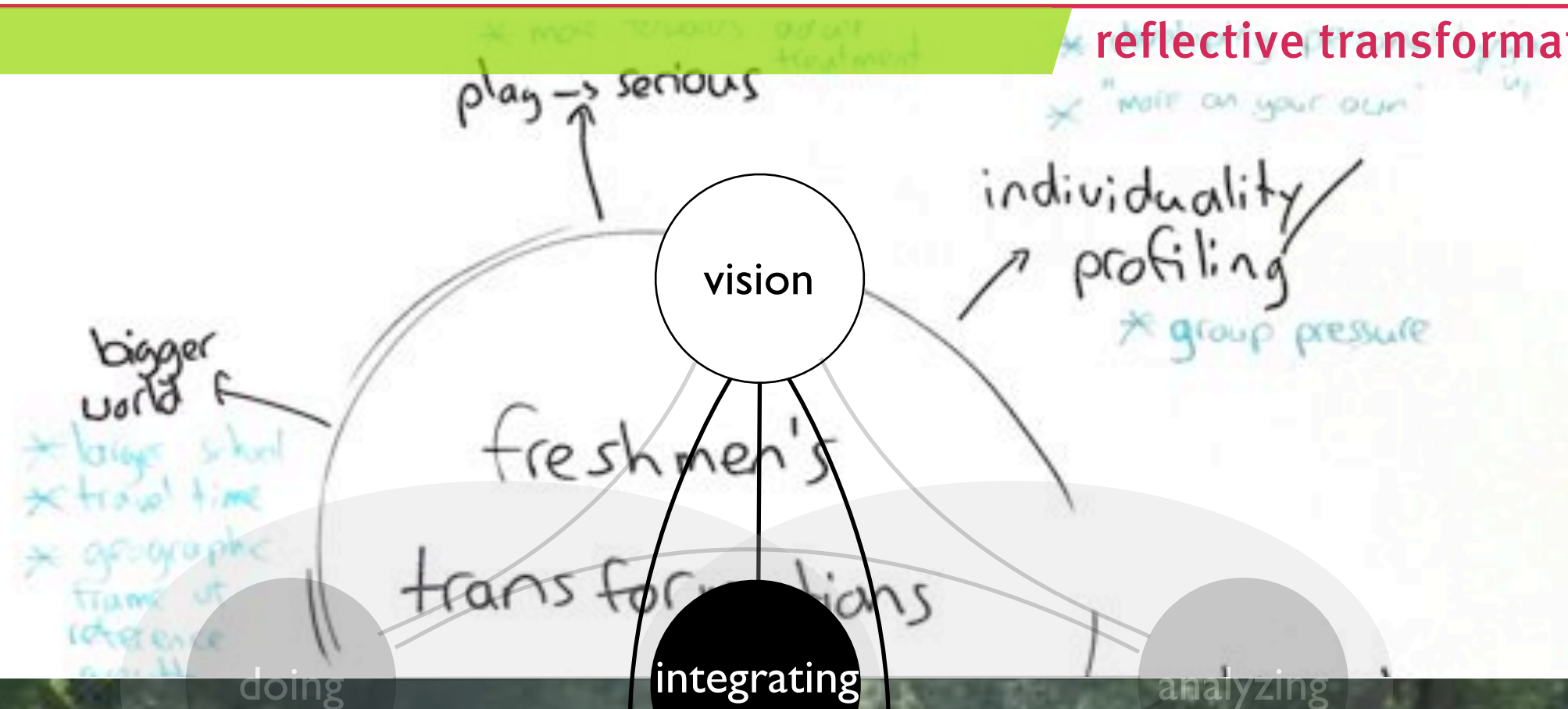
conclusions

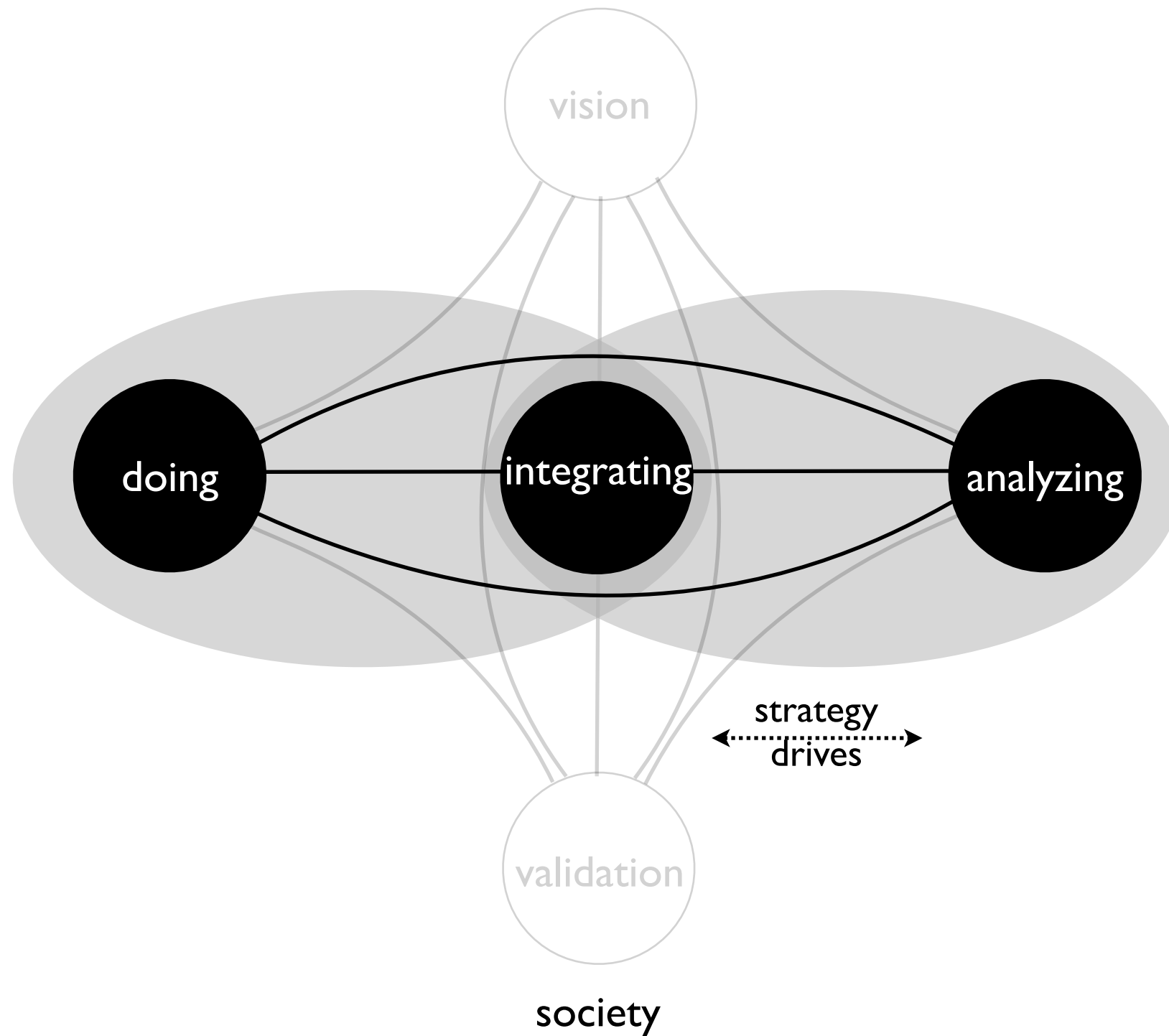
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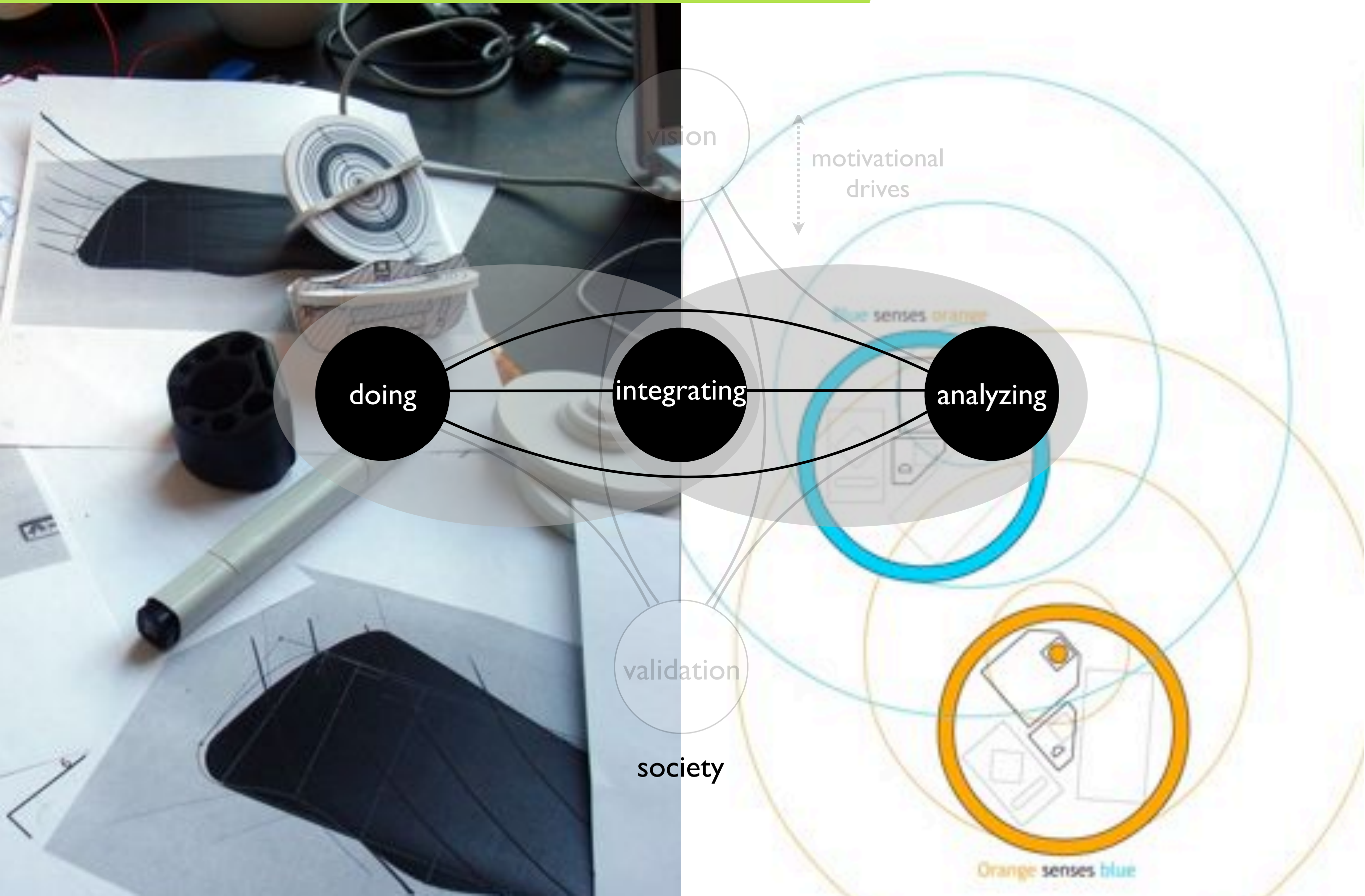


Hummels & Frens, 2008









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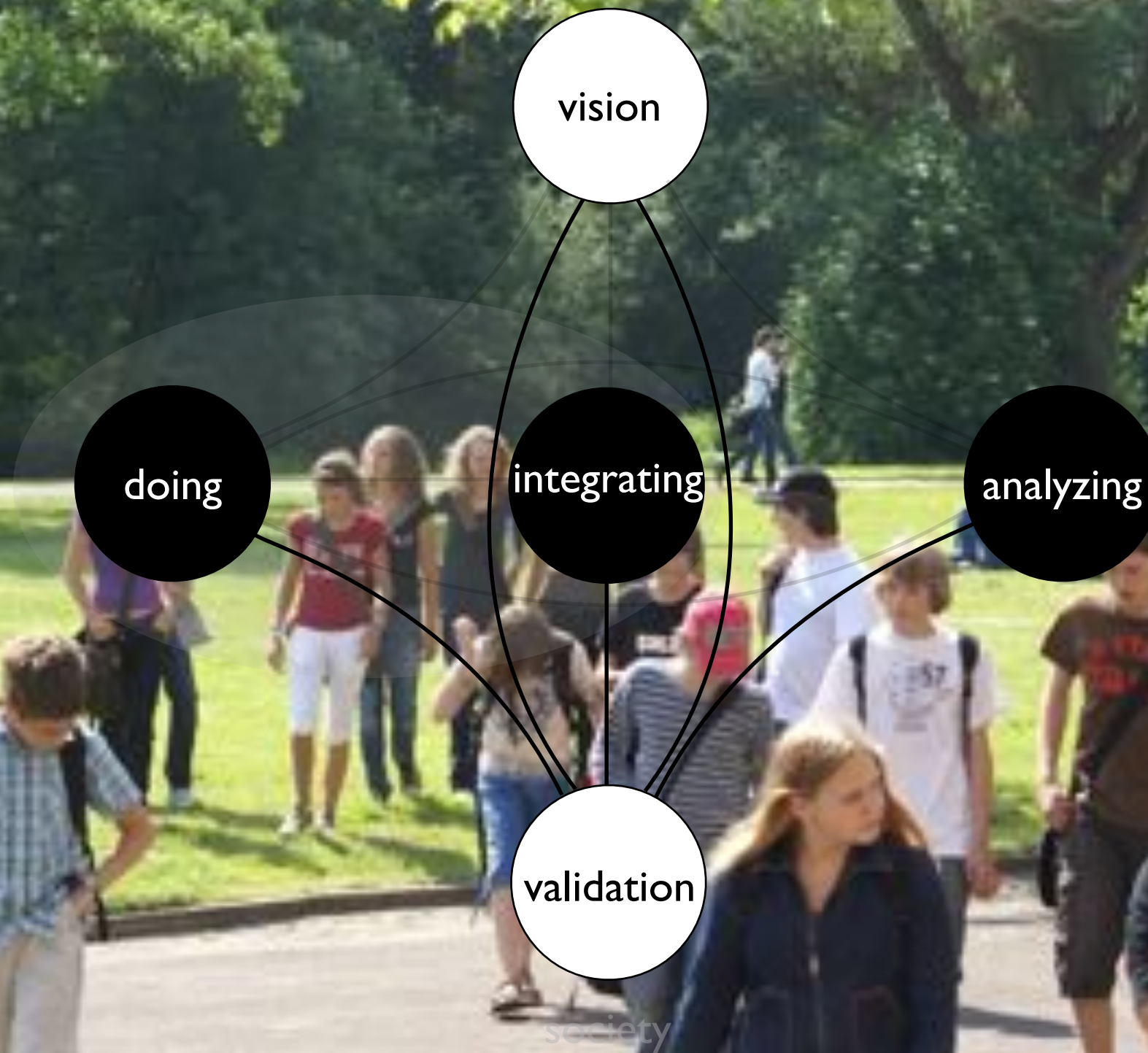
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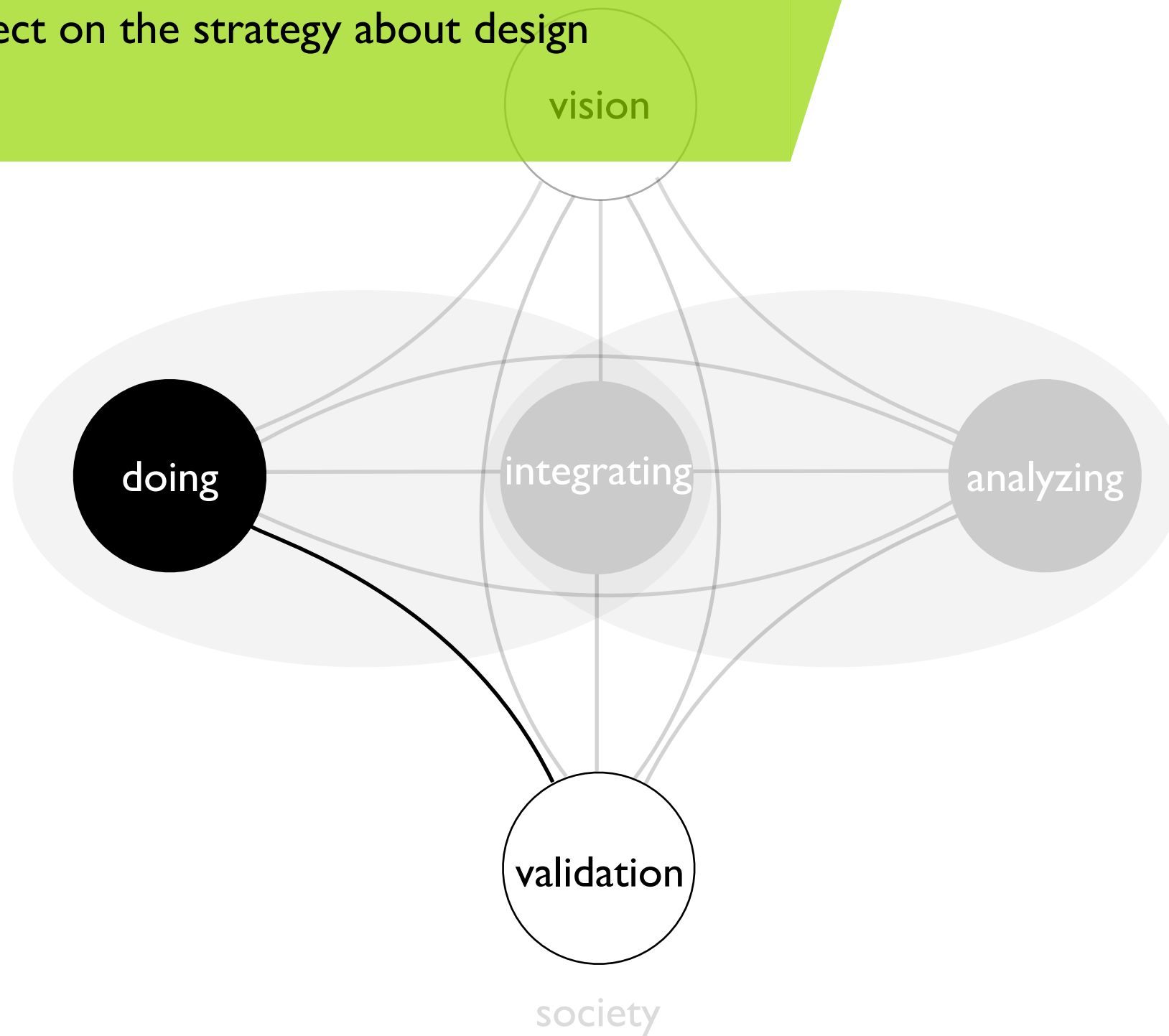
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Can we reflect together with the users?





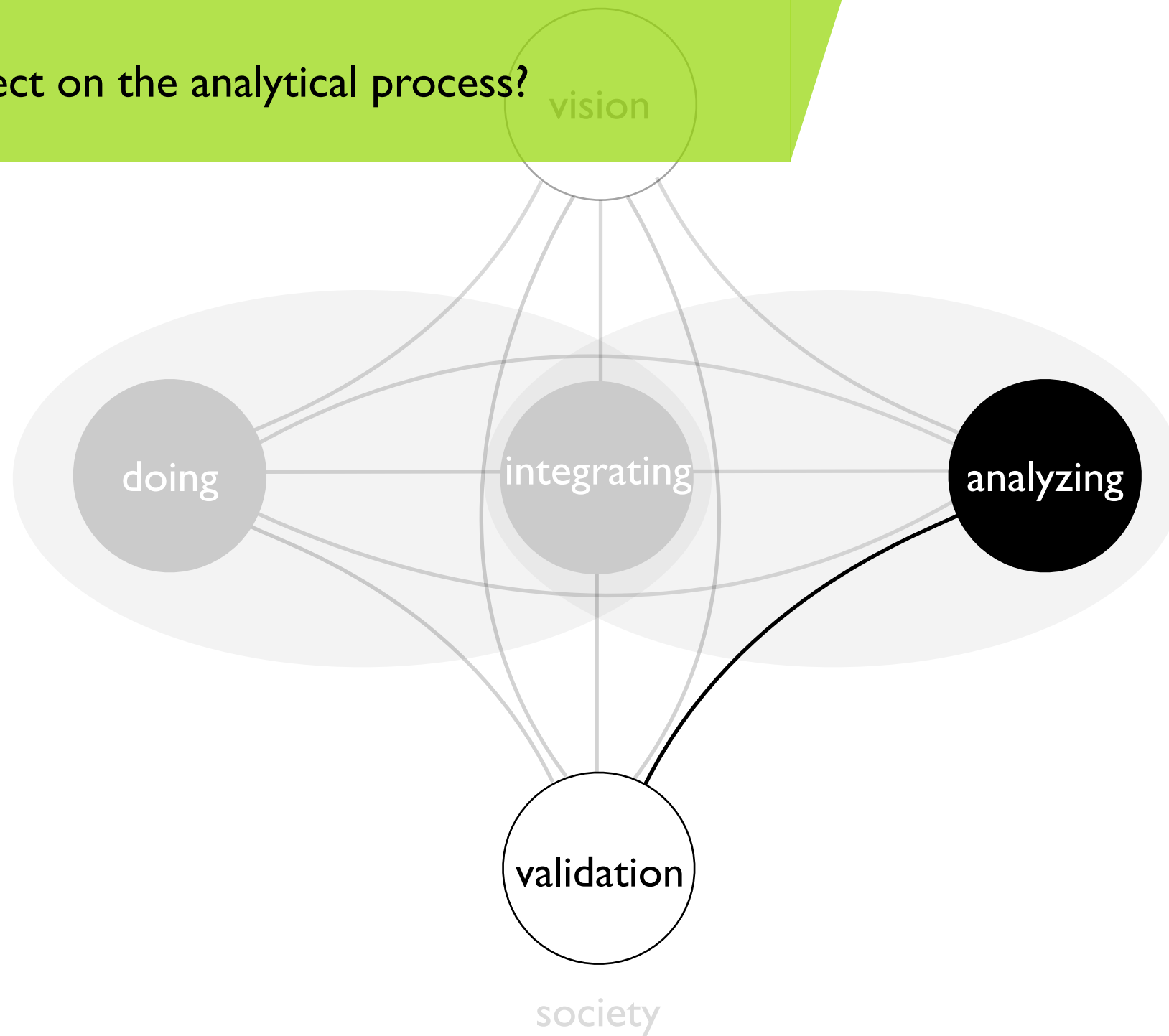
How we can reflect on the strategy about design action?



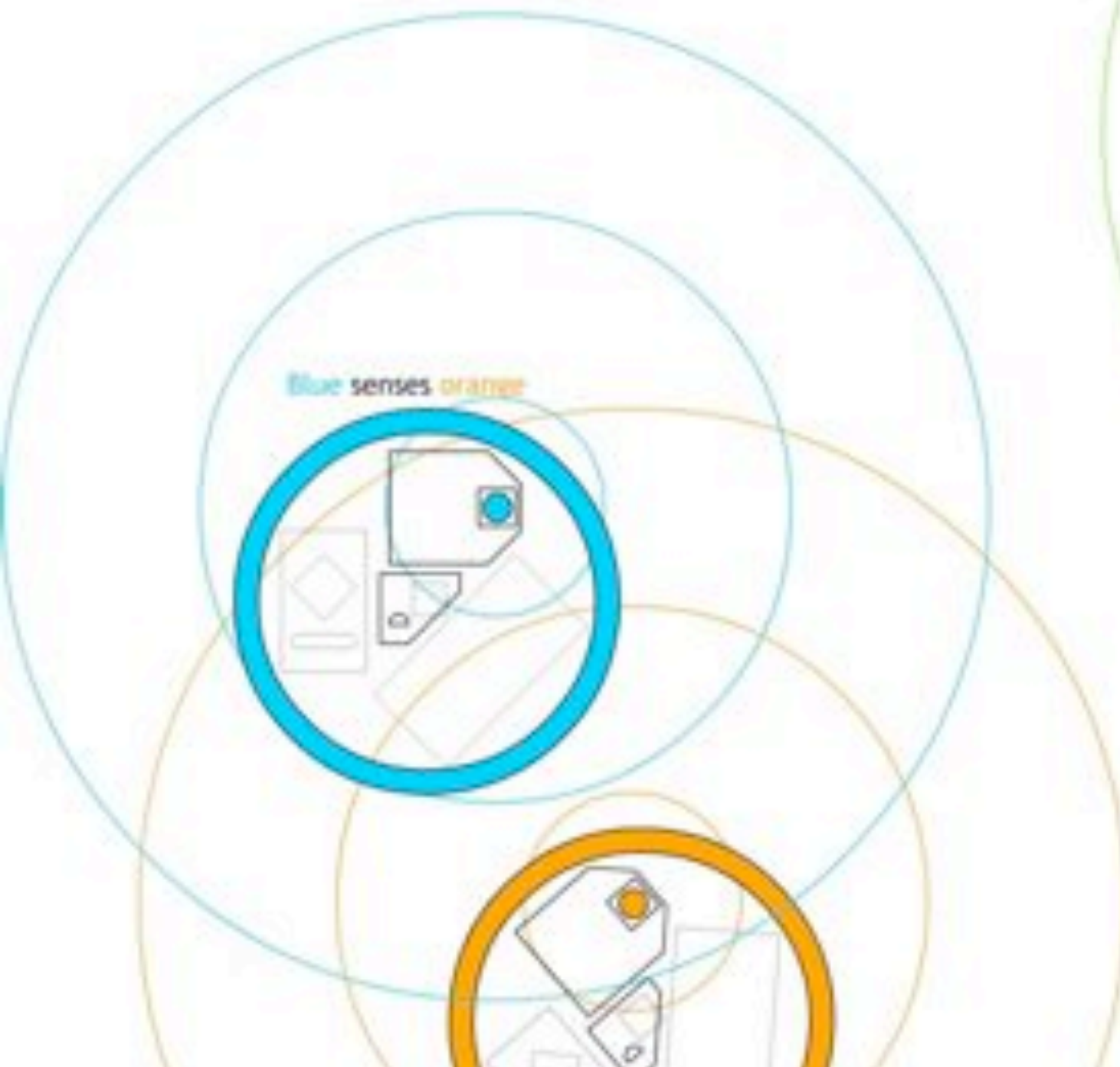
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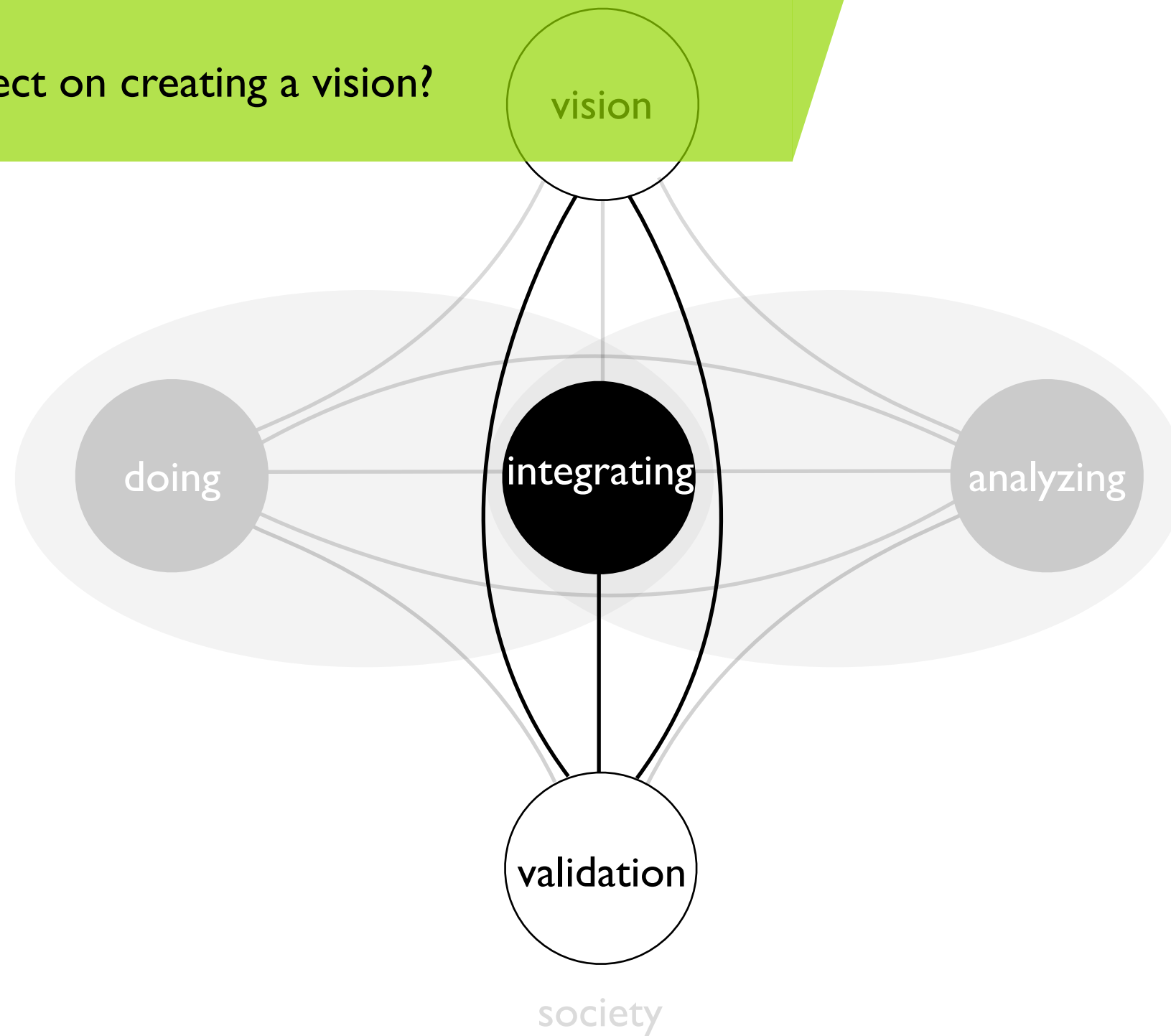
How we can reflect on the analytical process?



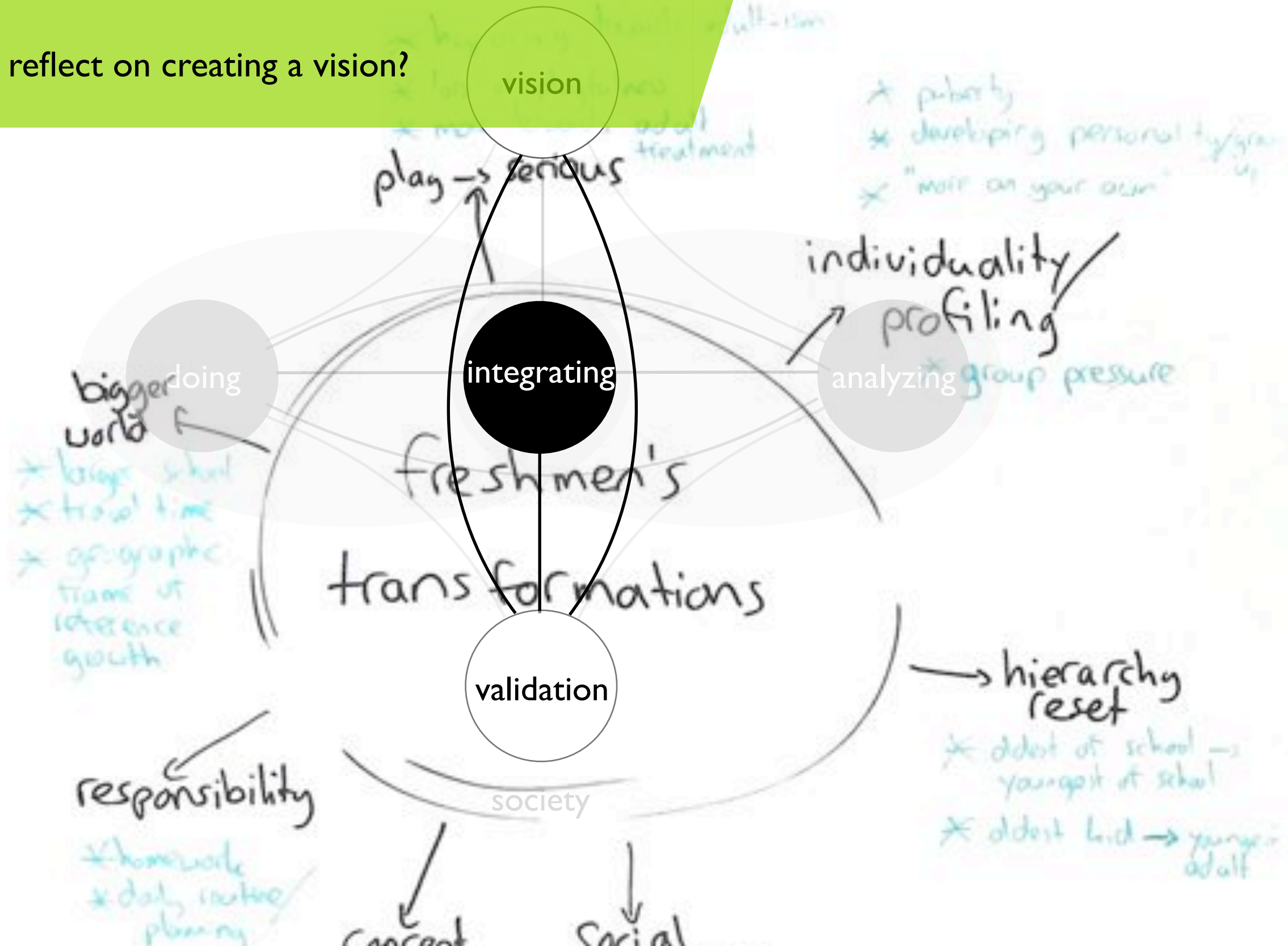
How we can reflect on the analytical process?



How we can reflect on creating a vision?



How we can reflect on creating a vision?



reflective transformative design process

user involvement

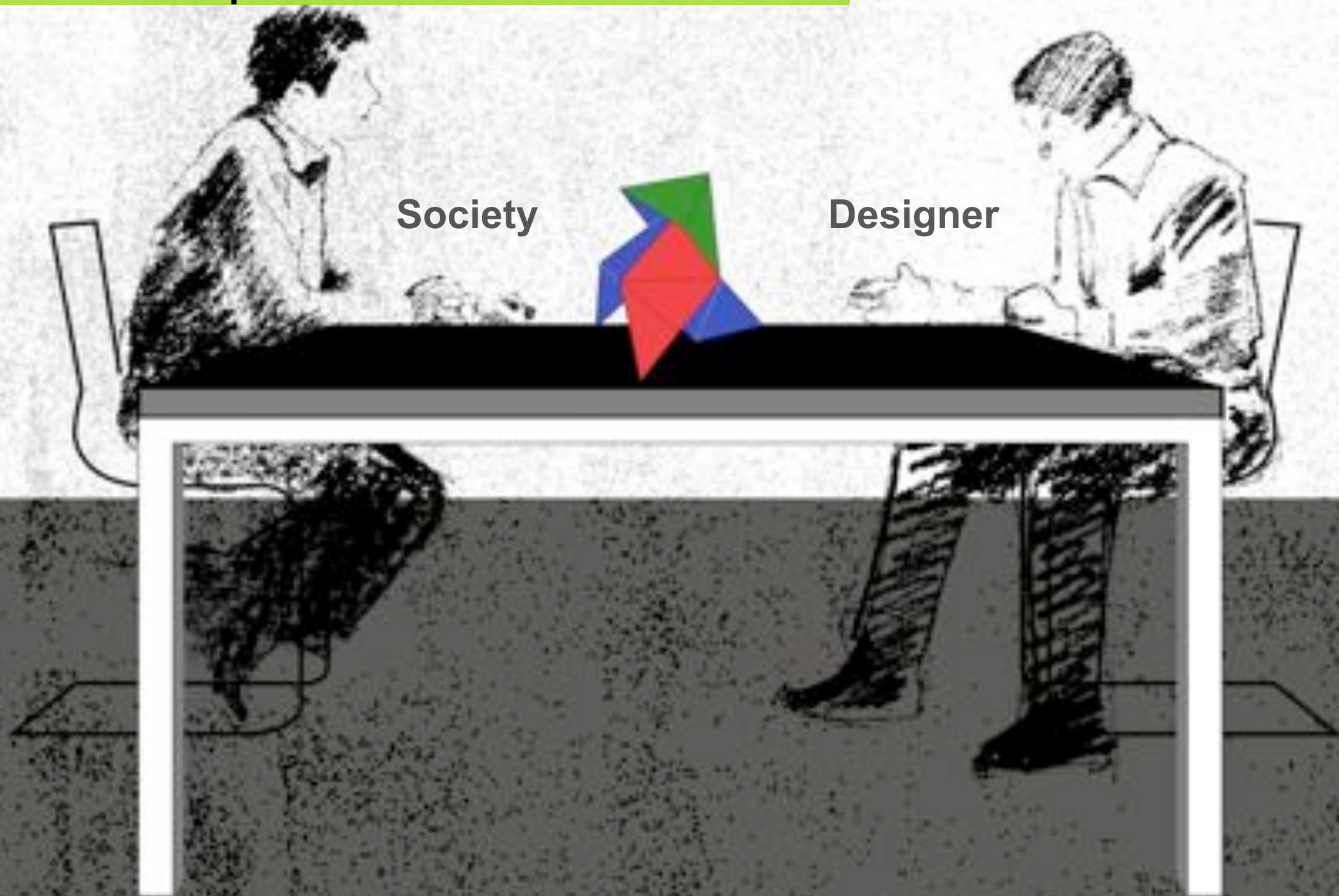
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Constructivist exploration



Constructivist exploration

Society



Designer



Users generate the information by themselves
allowing designers to reflect about their
transformative vision.

The designer does not suggest elements, allowing
designers to reflect on explorative actions and
procedures.

Argumentation allows for knowing, allowing
designers to reflect on their analysis and
abstraction strategies.

Society



Designer



reflective transformative design process

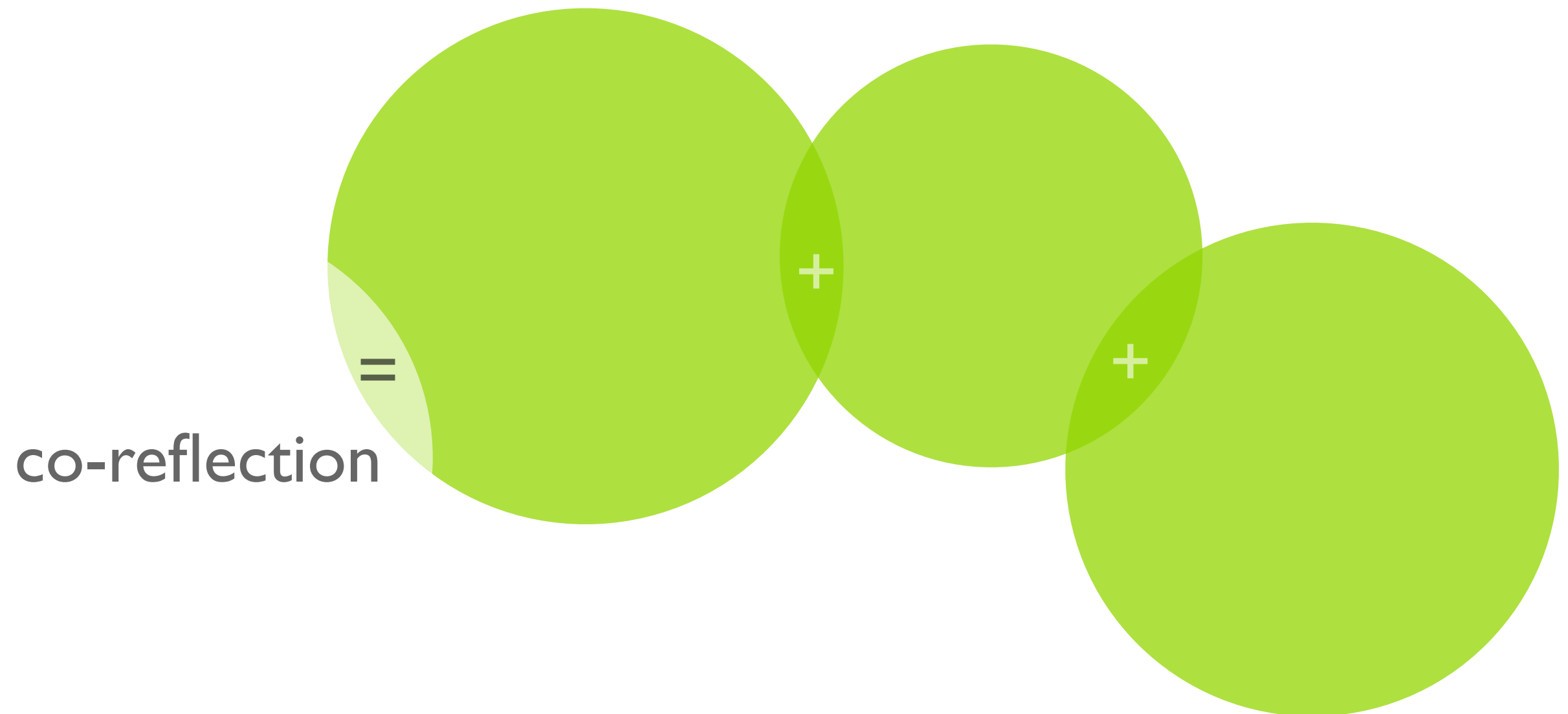
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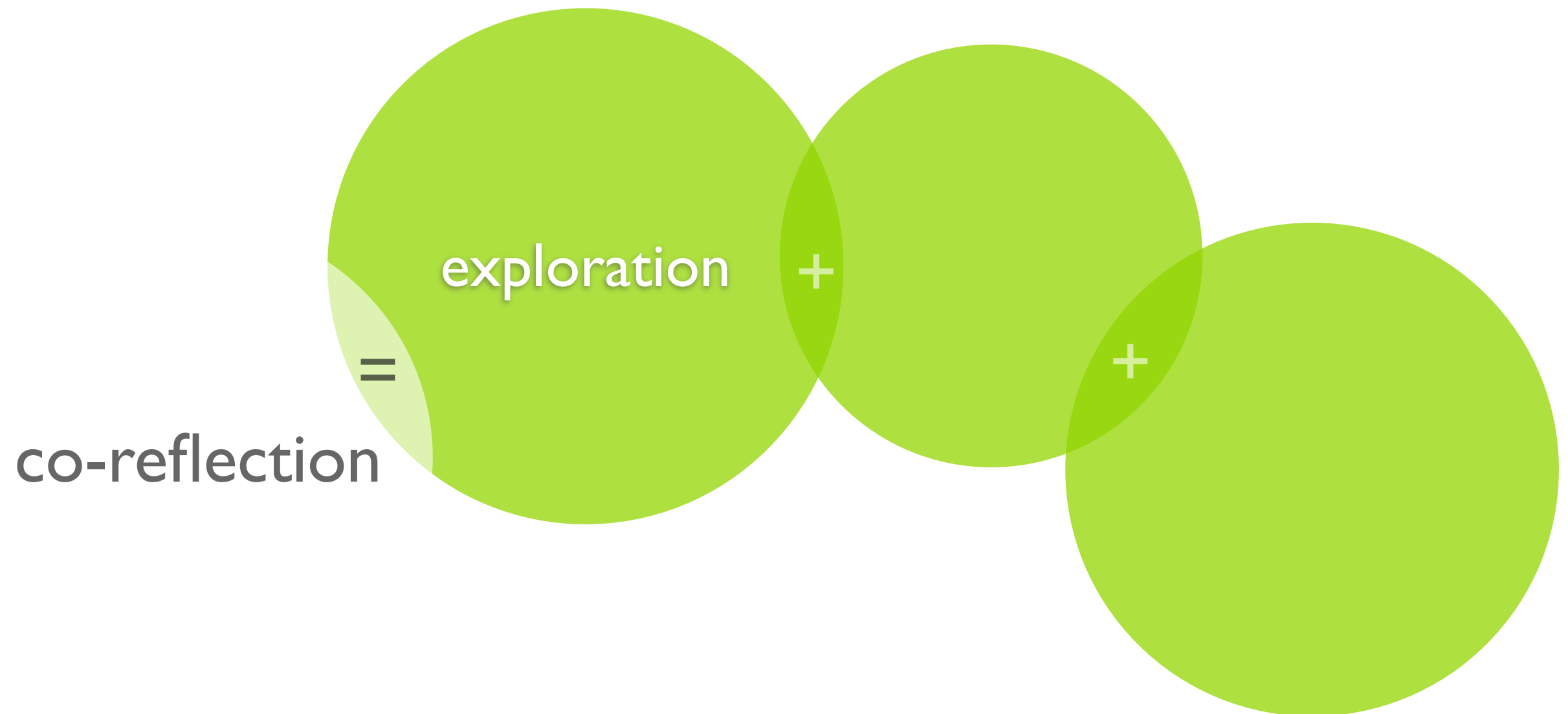
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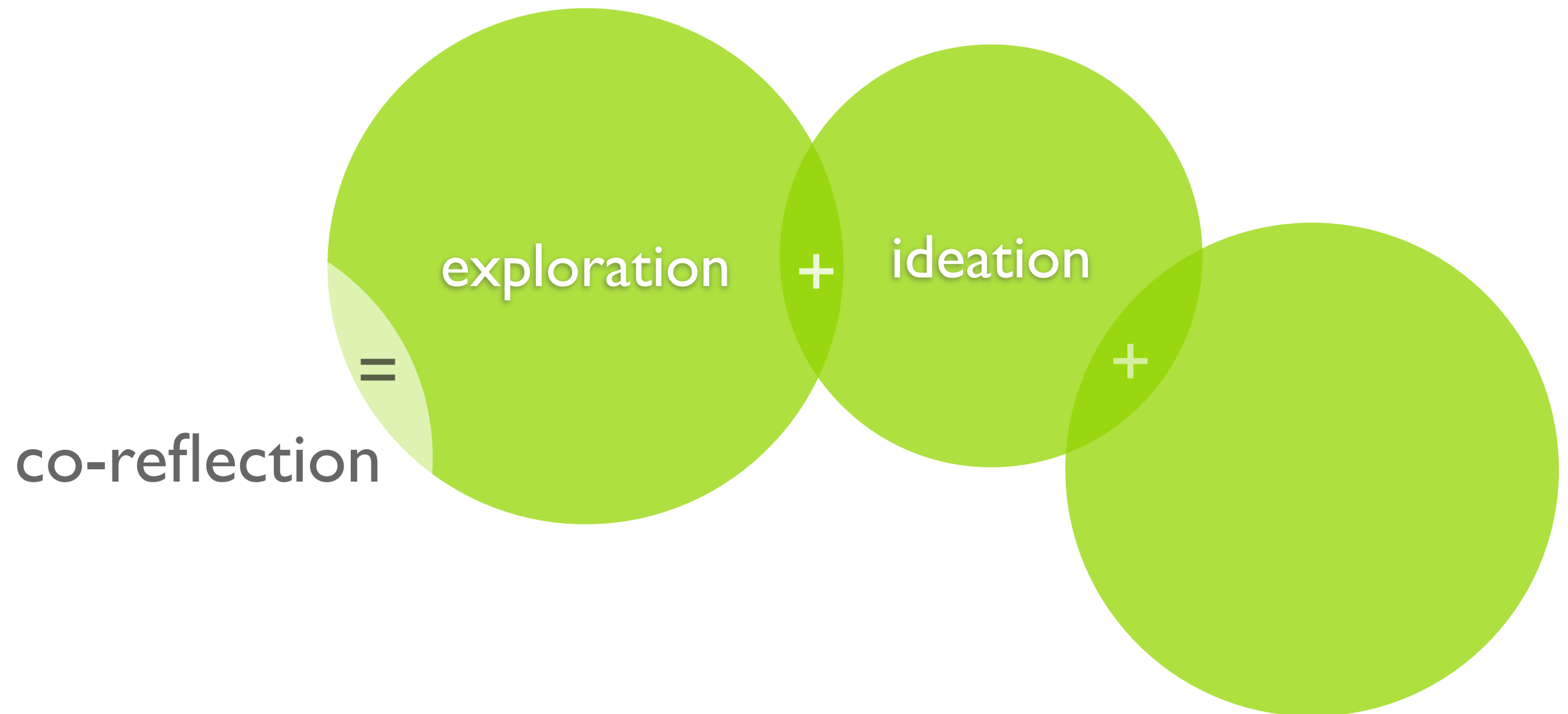
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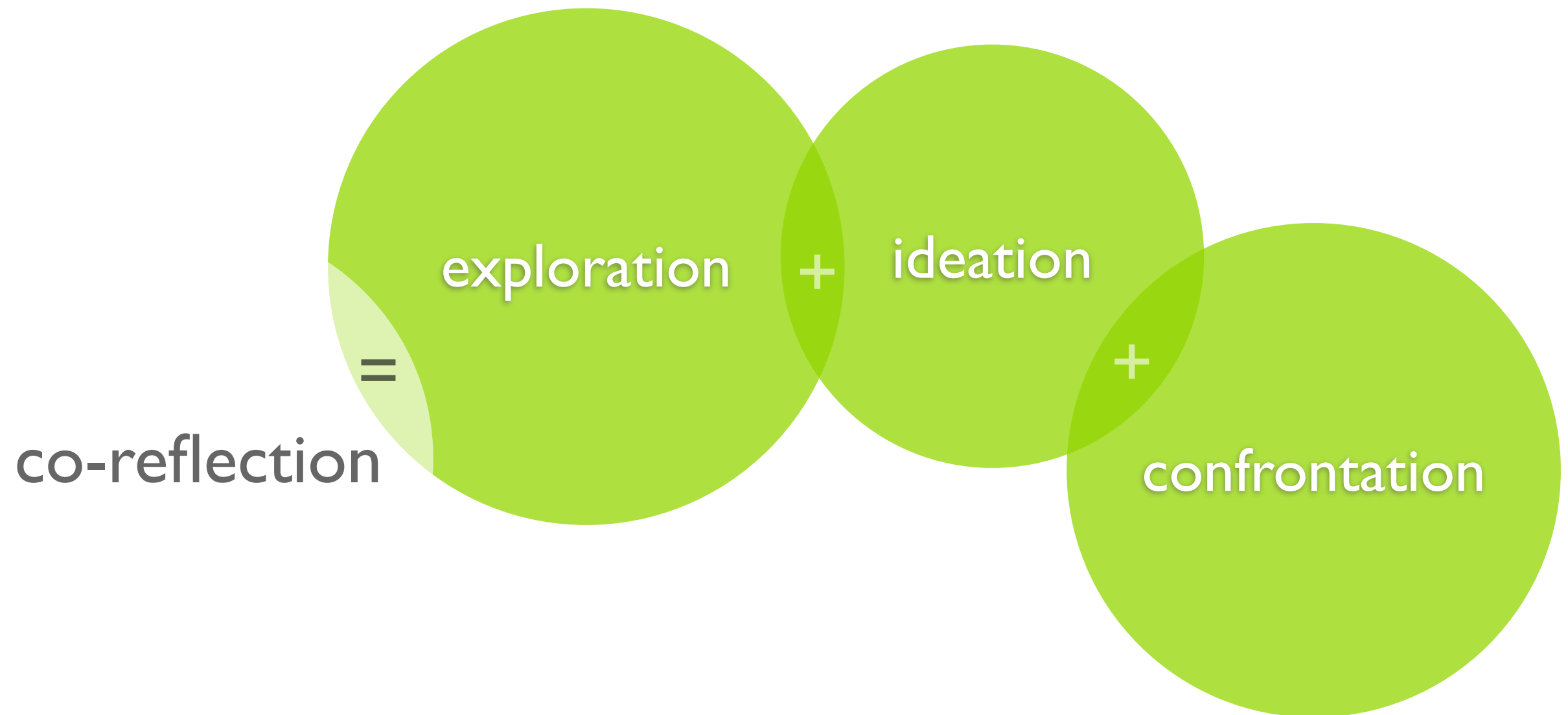
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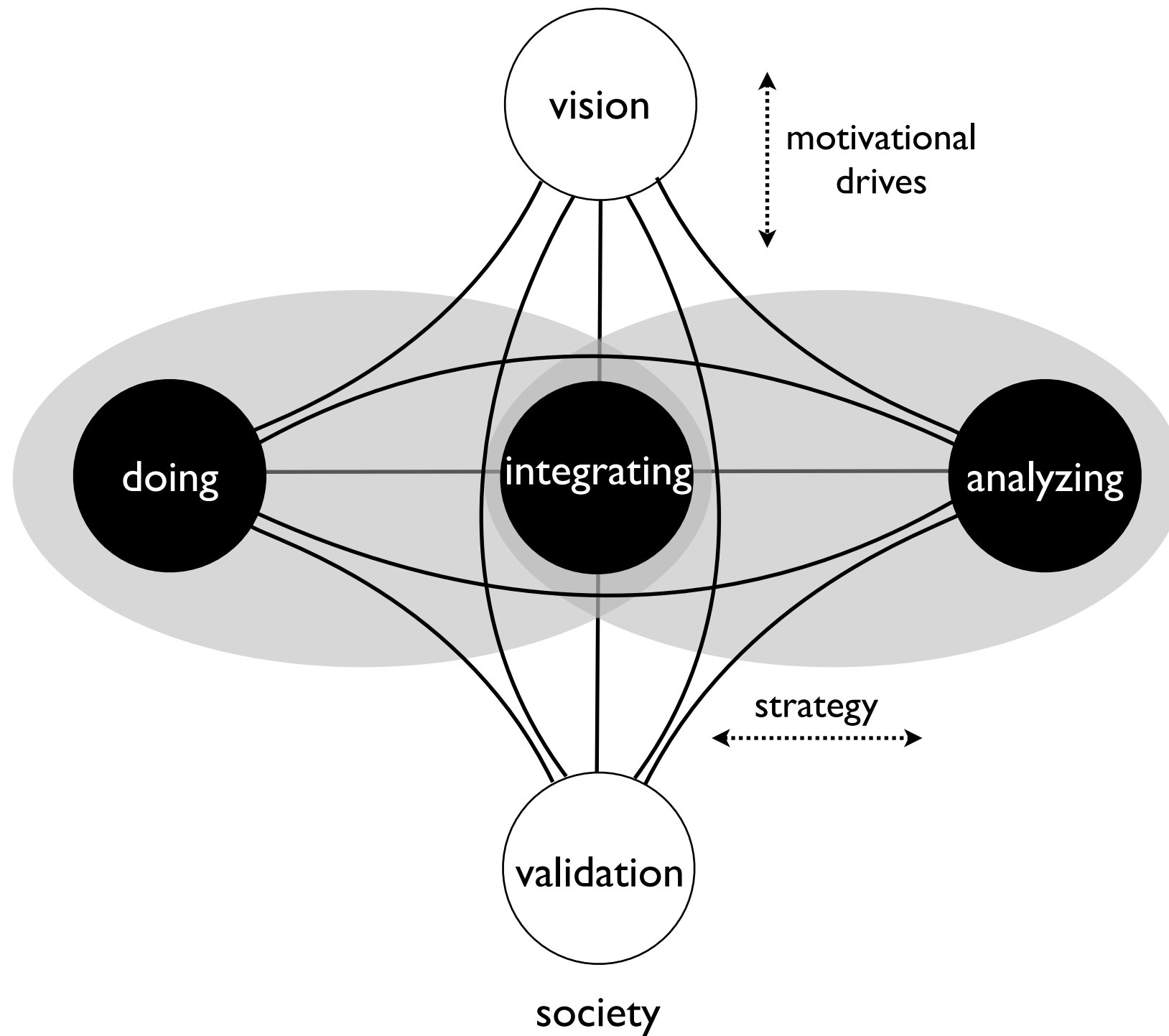
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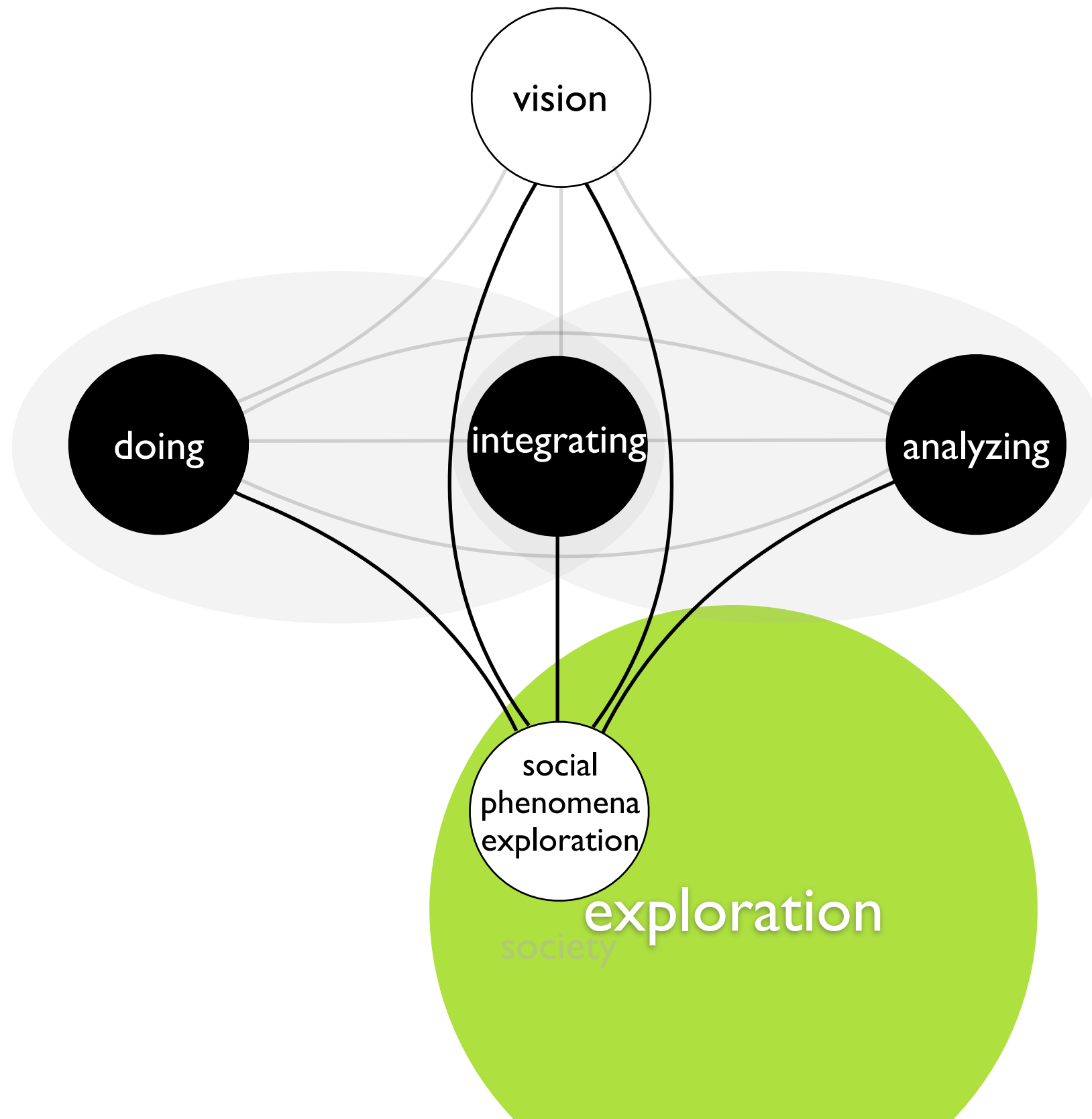


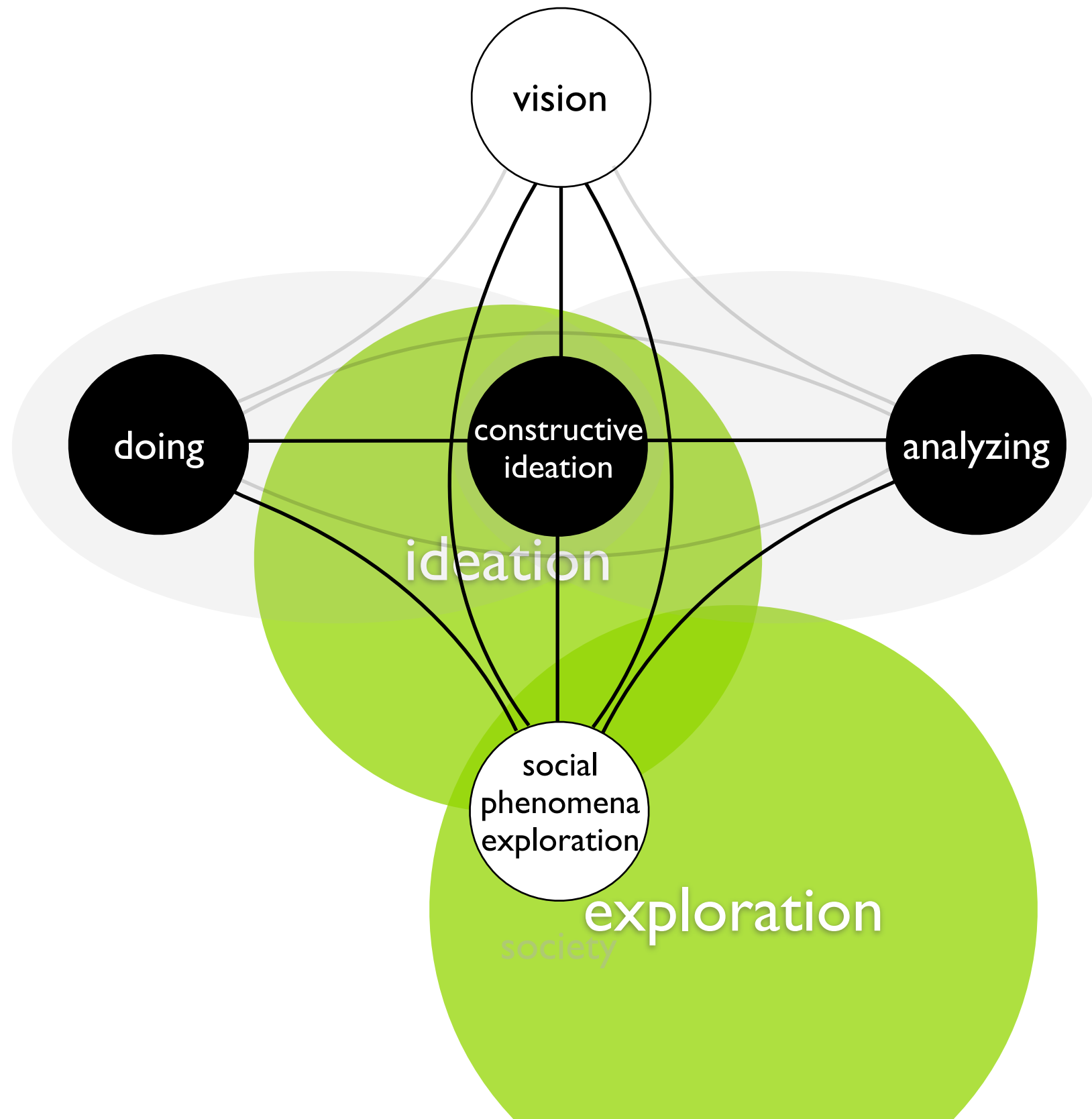


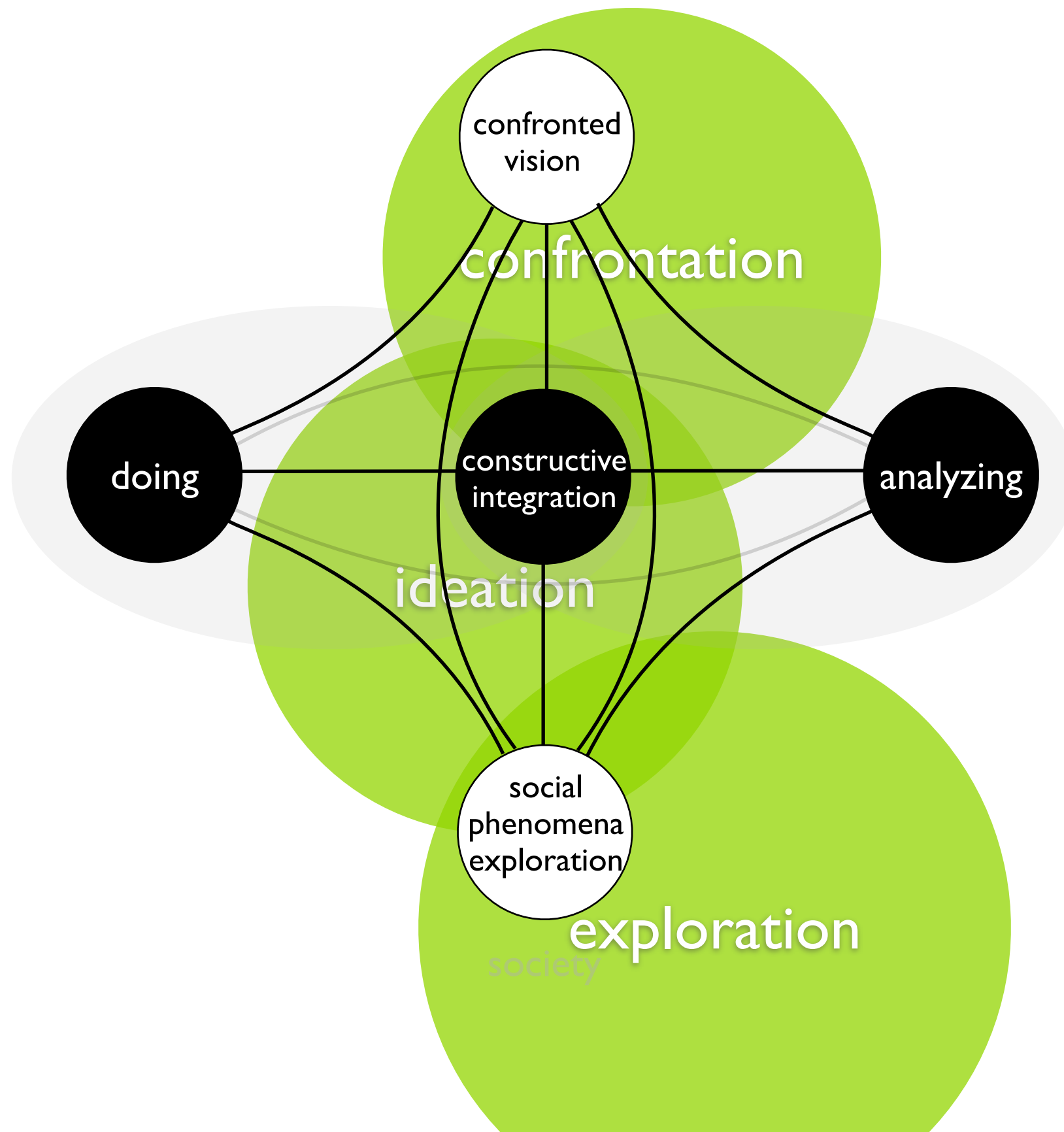










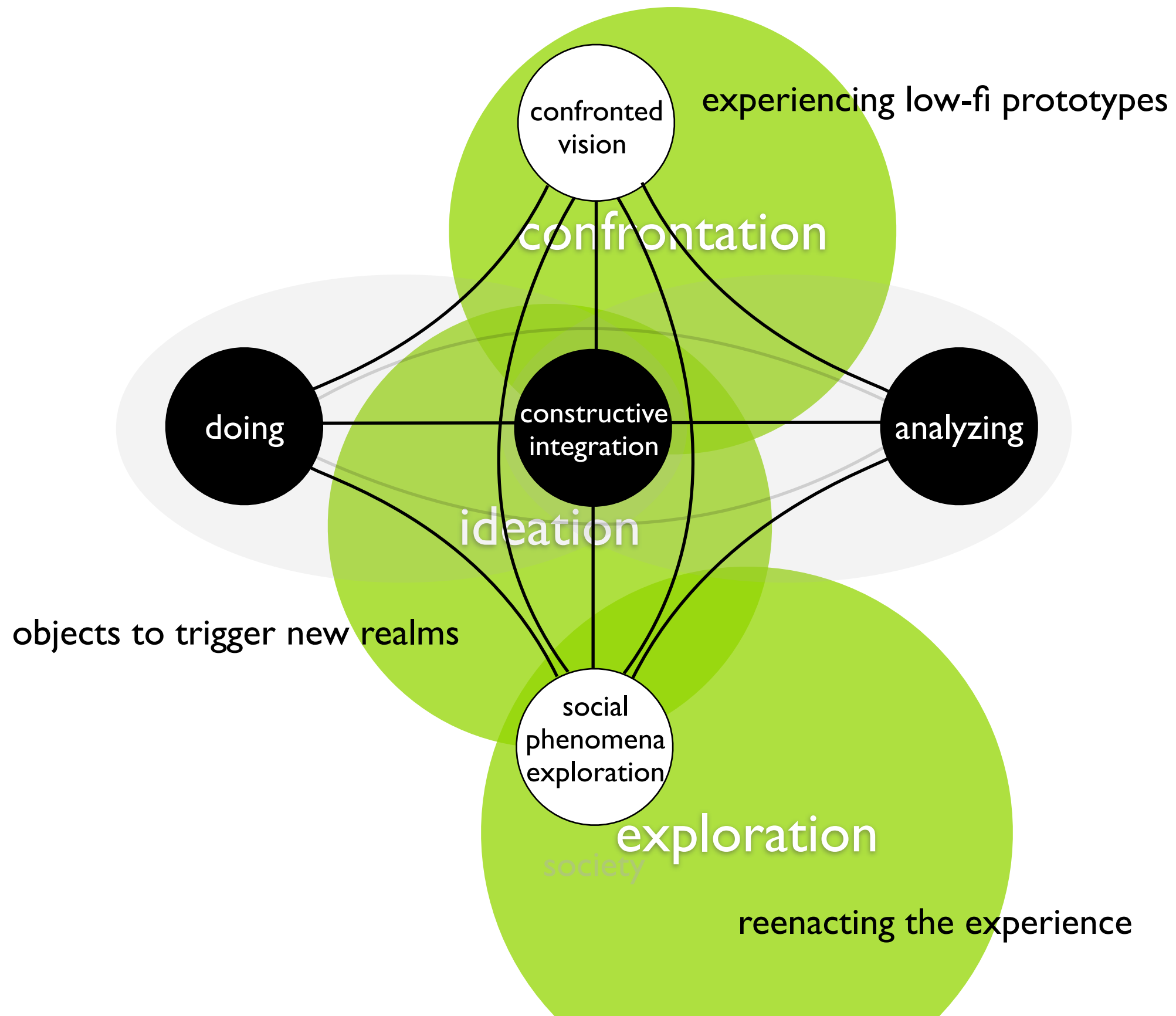




Example:

The “Active Explorers” educational system brings goal-oriented search a step further by constraining the perceptive world to one sense (sight, sound, smell, touch, kinesthesia) and a limited amount of actions.

It enhances engagement and inquisitiveness through role-playing in line with the active learning paradigm.



co-reflection examples

exploration

reenacting the experience



ideation

objects to trigger new realms



experiencing low-fi prototypes

confrontation

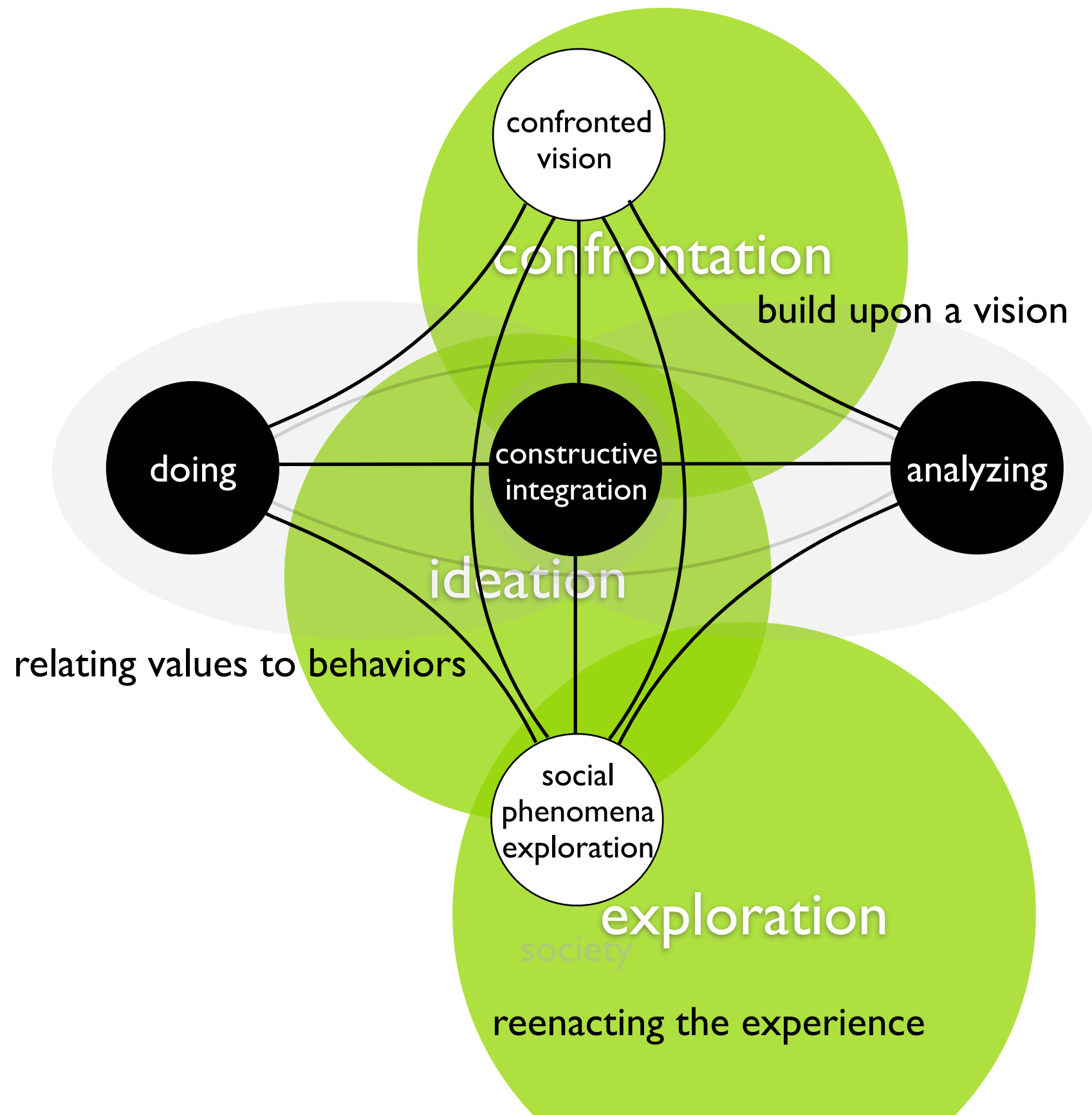


Example:

The “Sense6” service focuses on learning by doing.

It explores non-obtrusive feedback on action through the connection between senses (synesthesia).

“Sense6” is a sharing platform for skateboarders where feedback on action is not only used to improve your technique but also to teach other people new tricks without the need of being there.





exploration

reenacting the experience



confrontation

build upon a vision

co-reflective processes

reflective transformative design process

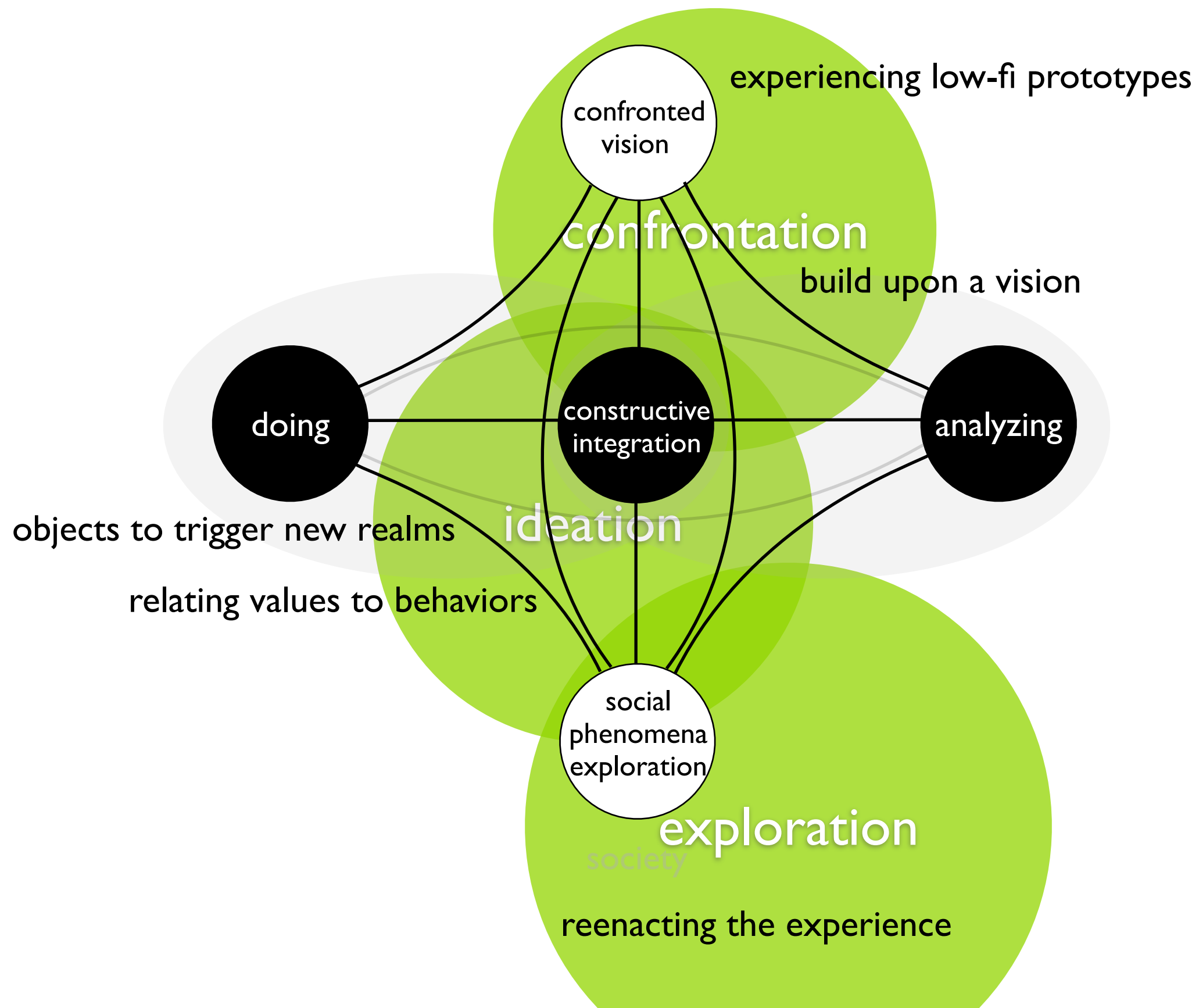
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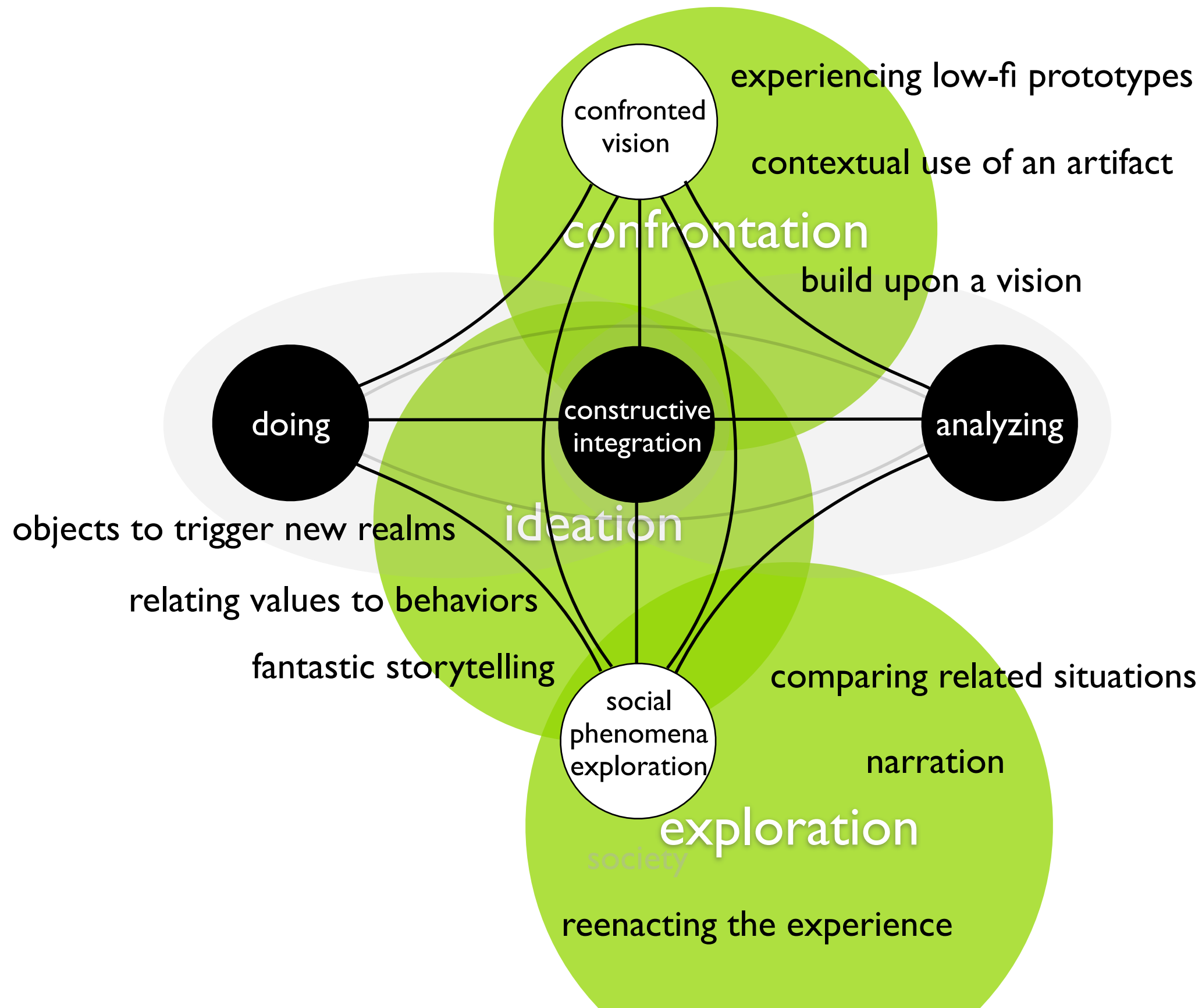
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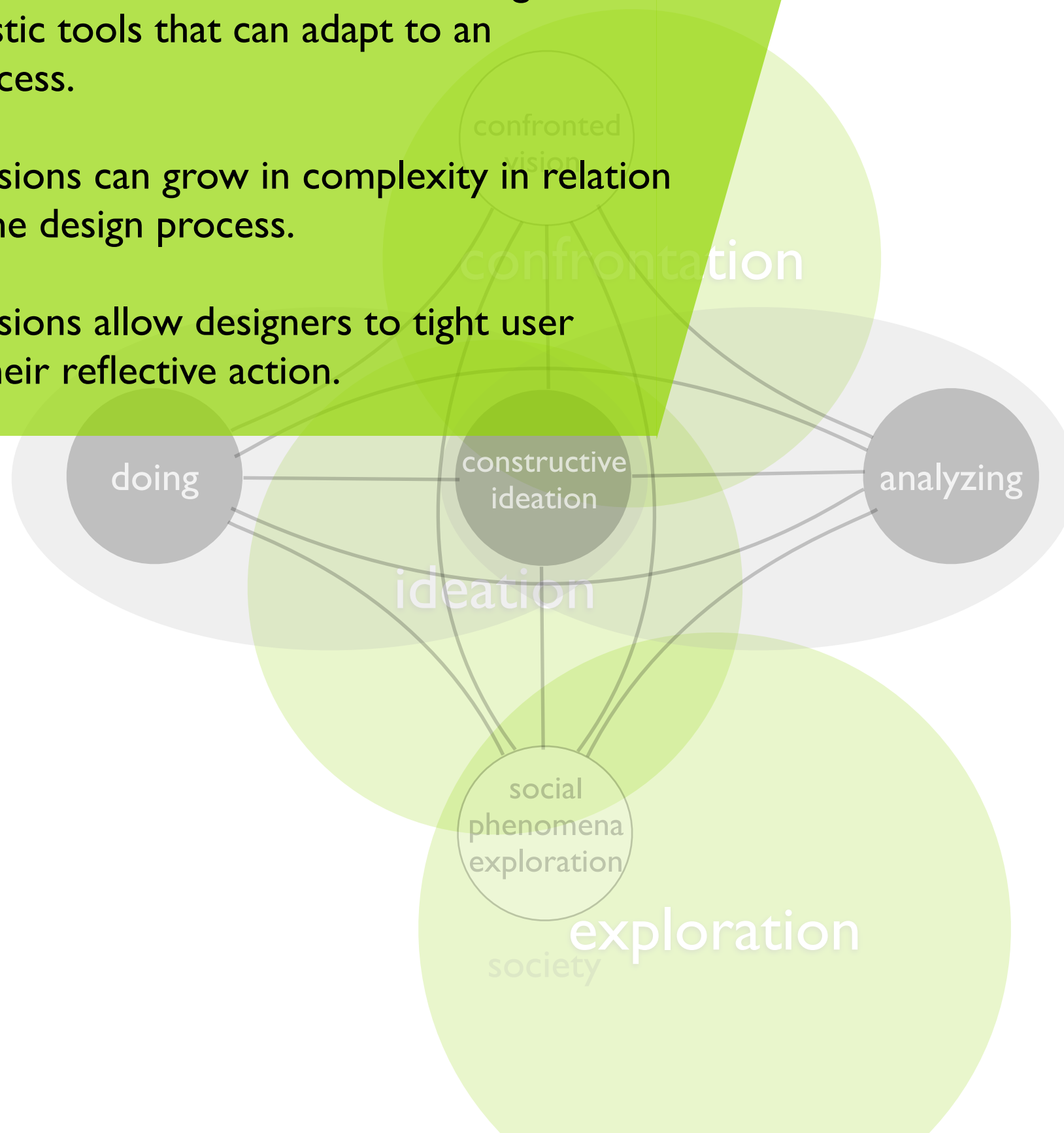




Developing co-reflective sessions means creating dynamic and holistic tools that can adapt to an unstructured process.

Co-reflection sessions can grow in complexity in relation to the phase of the design process.

Co-reflection sessions allow designers to tight user involvement to their reflective action.





Thank you

Rick van de Westelaken, Arne Wessels, Jurgen Westerhoff, Jing Wang, Ivo de Boer, Joran van Aart, Bram Braat, Laurens Boer, Laurens Doesborgh, Sjors Eerens, Jabe Piter Faber, Jasper Dekker, Jan Gillessen

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