

The Hermeneutic Circle of Data Visualization

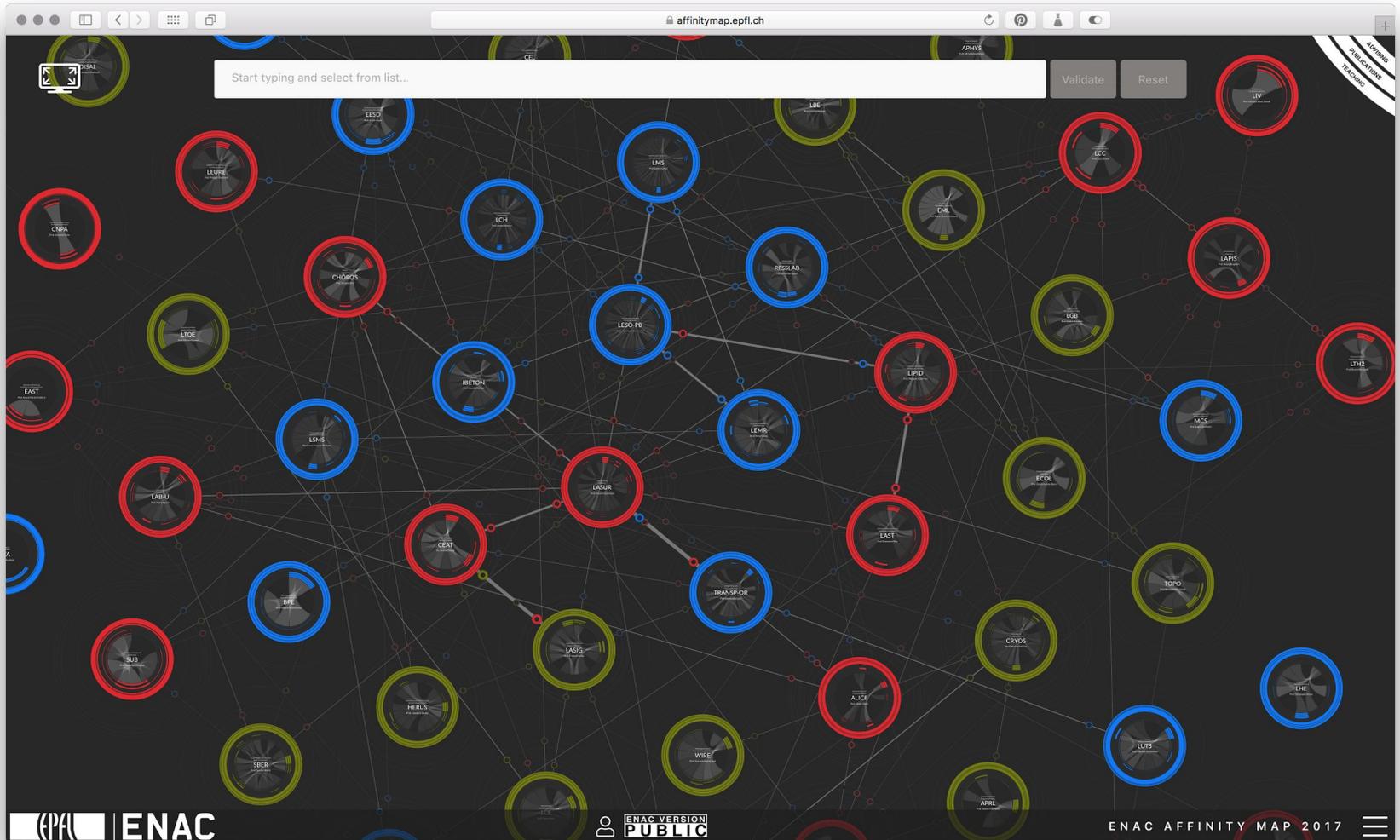
*Dario Rodighiero (EPFL) &
Alberto Romele (UC Lille/UPorto)*

Human-technology-world relations

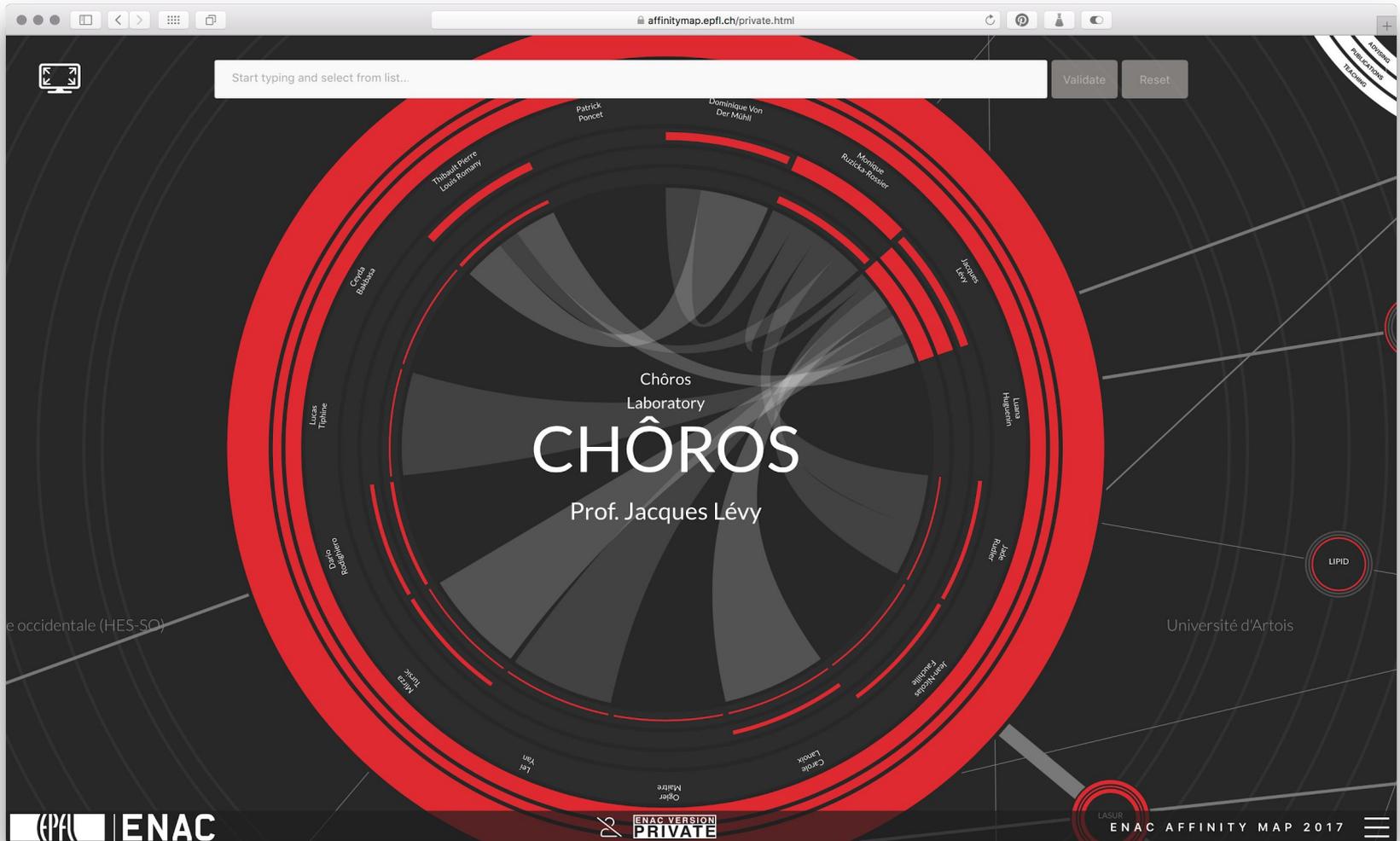
Embodied relations	=	(human-technology) → world
Hermeneutic relations	=	human → (technology-world)
Alterity relations	=	human → technology-(-world)
Background relations	=	technology → (human-world)
Cyborg relations	=	(human/technology) → world
Immersion relations	=	human ↔ technology/world
Composite relations	=	human → (technology → world)
Hermeneutic relations (Wiltse's version)	=	human → ([trace substrate] → world)
Writing relations	=	human ← algorithm → text → world
Next relation	=	?

a) Iterativity

b) Collectivity



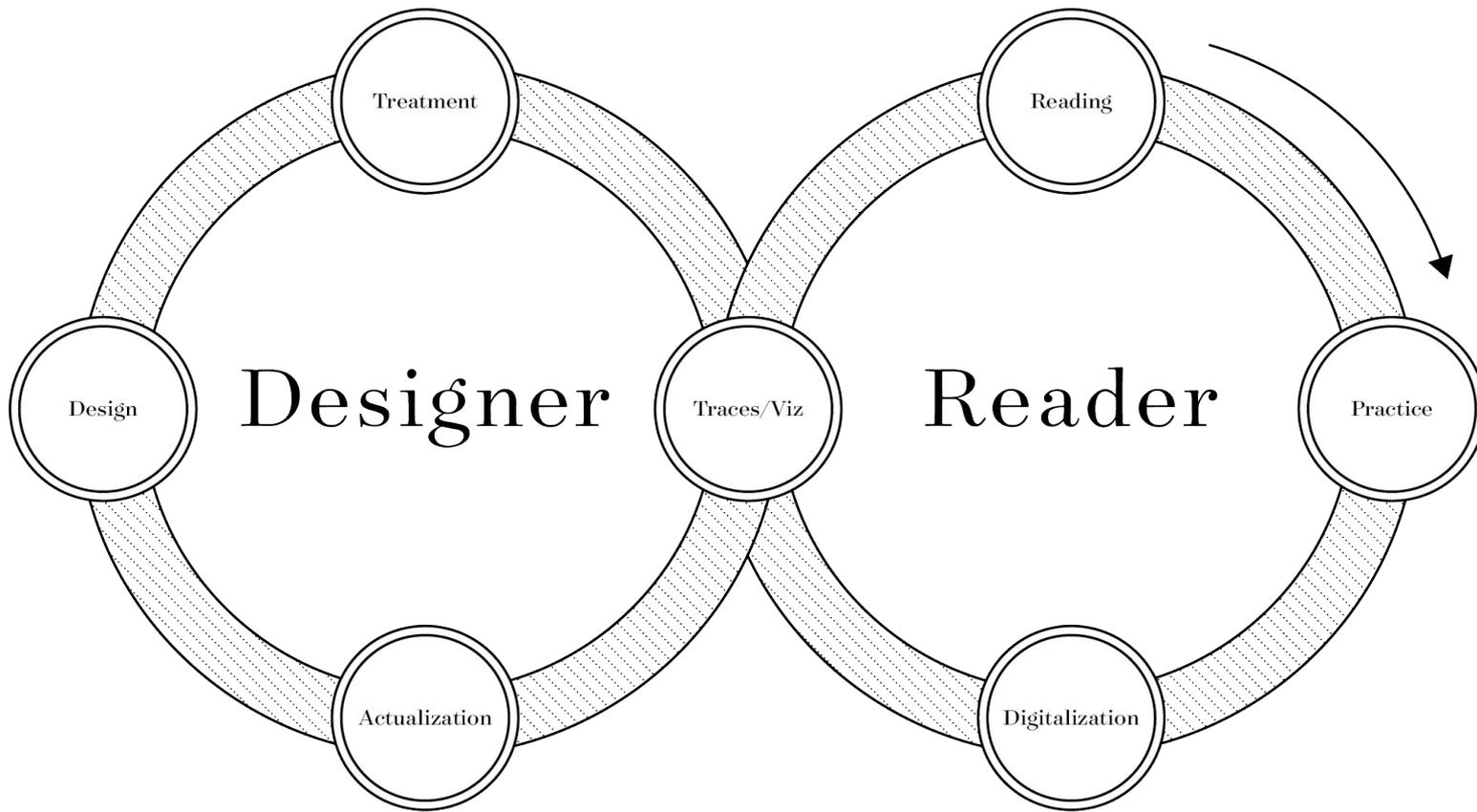
Case Study - The Affinity Map



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Designer and Reader Iterativity

1. Iterativity of the designer (design process)
2. Iterativity of the reader (personal improvement)
3. Double iterativity of reader and designer



The Double Hermeneutic Circle

Potential Formulas for Iterativity

Human ∞ (technology-world)

Human \curvearrowright (technology-world)

Human \circlearrowleft (technology-world)

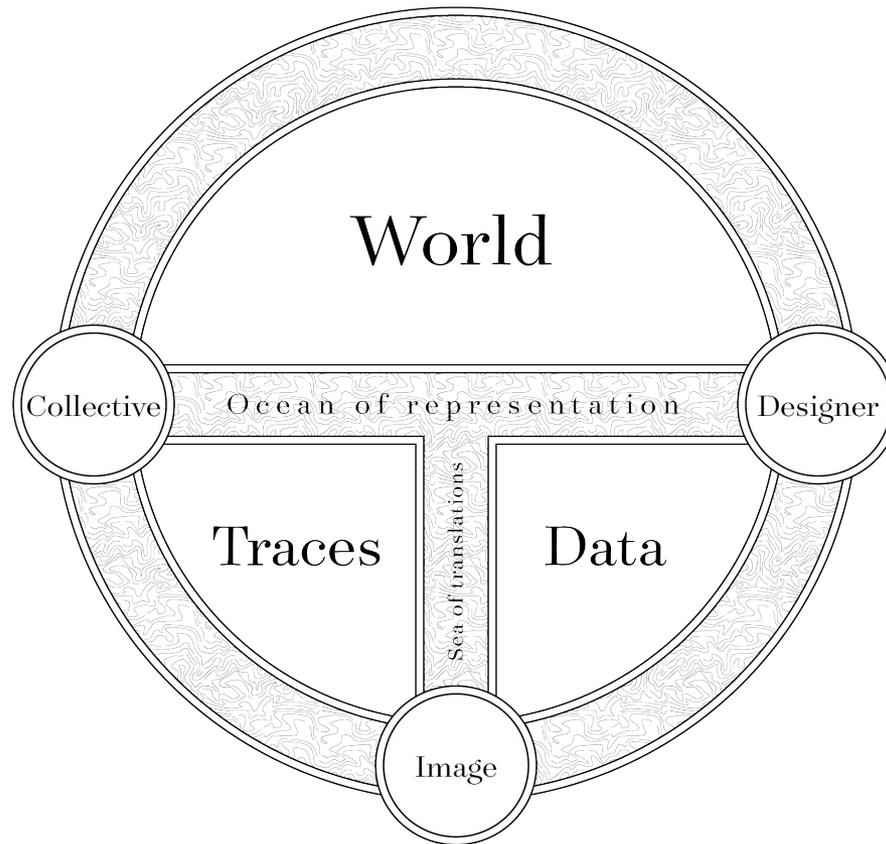
Human \rightarrow (technology-world) \leftarrow

a) Iterativity

b) Collectivity



Case Study - The Affinity Map



Collectivization Diagram

Two possible conclusions

First Conclusion

Material encounter between

- *Postphenomenology* (analysis “in-depth”)
- *Actor-Network Theory* (analysis “in-width”)
- *Hermeneutics* (iterativity)

Second Conclusion

Governance or governmentality?

Thanks

<https://darioodighiero.com/>

<https://www.albertoromele.com/>

<http://ifilosofia.up.pt/projects/data-wisdom>