Christophe Rigon / Soto² □ **- @ki_cog@mstdn.social** @ki_cog

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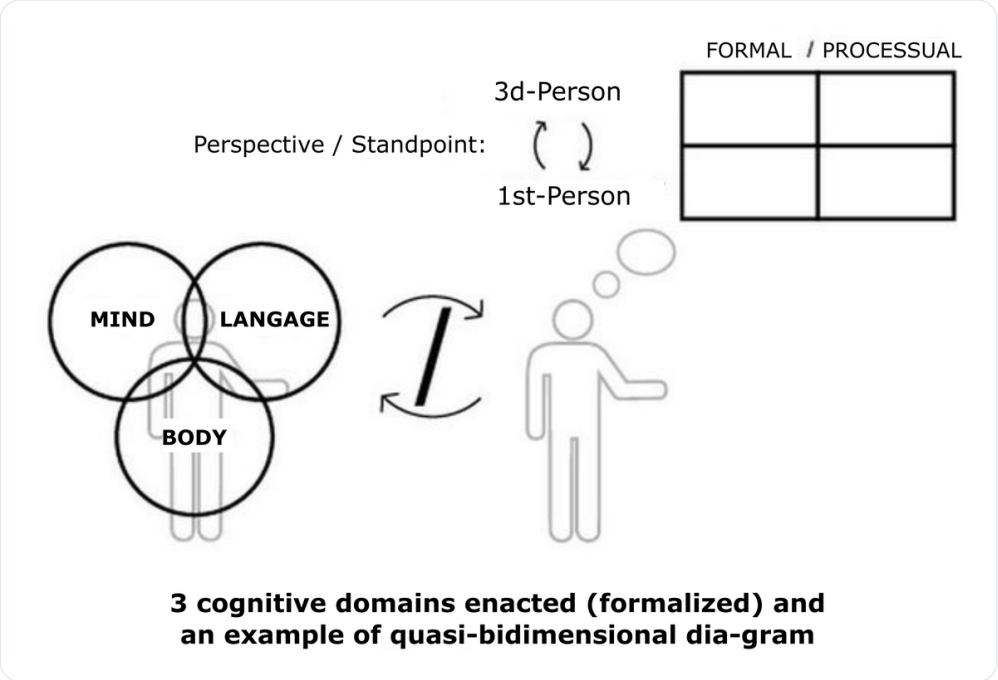
["The it / The process that leads to it" (Varela): the form/process dialectic of LOGIC²] 🧵□

From "Not one, not two" to "Not four, not three"

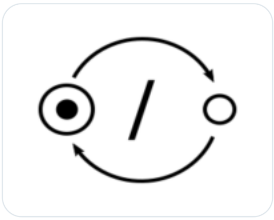
After having described my prototypical form of Logic², I'll now try to explain briefly the autobiographical process that led me to it.



3 cognitive domains enacted (formalized) and an example of quasi-bidimensional dia-gram

Logic² in fact more an emerging form dictated from my experience than the a posteriori representation that I can give of it. Culture help me now to express it but also helped me to grow it: it is the top-down/learning drive in my distributed mind-map representation (my "brain").

It started first with my biological culture and the observation that philo-scientific knowledge is organized around aporia/oxymorons (insoluble cultural dualities), which I then called "conceptual dipoles" and that I understand now as *diairesis* (cf. ancients greek).



I remembered Edgar Morin's “dialogic” of adding the Boolean logical operators AND and NOR to the binary XOR (exclusive OR), that is to say a logic of third and fourth inclusive, which accompanied his “complex thinking”, and also Varela's enaction, as I entered the emerging CS.

Simultaneously it was also the discovery of systemic, cybernetic modeling and later the second cybernetics (von Foerster, Maturana, Ashby, Pask, etc) while I was, like a salmon, tracing back the historical origin of modern cognitive sciences to enhance my understanding.

Added to this was my gradually reflexive hermeneutic relationship with A-Cognition simulations (at first I was heuristically trying to model "A-Selves"), coupled later with a historical and philosophical study of machines & automation (Dupuy for example and then Stiegler).

And I can also point out that personal computing appeared when I was a young teenager, which allowed me not only to witness its deployment, including the arrival of the Internet, but above all to have an IT *practice* corresponding to this evolution.

It is this personal history which is my genetic conception bringing forth my scybernethics genetic onto-epistemology, not its expressive formalization a posteriori.

A bit in the same way that a scientist is at first incapable of explaining how he became a “scientific mind” and what complex relationships he maintains in himself while working with his layman common sense.

This is why I polarize ethically my expression of scybernethics on the heuristical side, conscious of my own limits and blind spots: rationality² can only be normatively enacted by an open, generous, harmonious and critical (philo-scientific) scholar community,

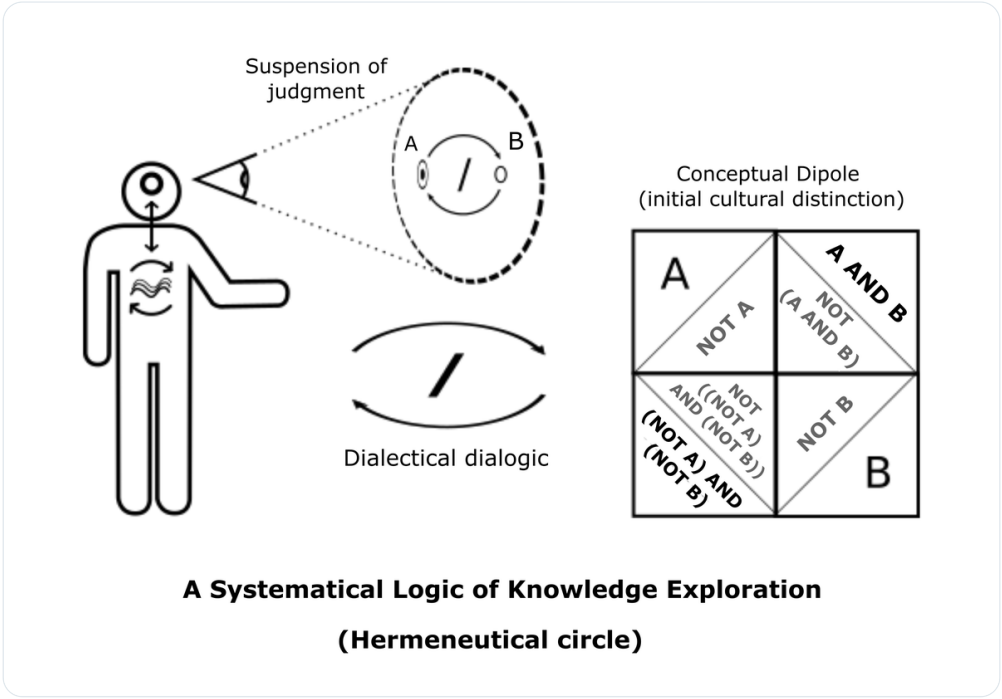
and not by any instrumentalizing private interests hidden behind "disruptive techno-logy" which are in fact implicit technopolitics of the mind. Philosophy of Technique is key.

This rationality is based on the enactive paradigm (Varela, Thompson, Rosch) as I understood and interpretated it experiencially by trying to embodied it reflexively as much as I could. But (happily) nobody is perfect and, of course, no formal conception can be absolute.

That's why we perpetually need to come-back to the deep thinking of the great founders, which have been socially and historically selected because they wear something deep and

universal, transcendental. We never totally understand.
To conclude, my personal use of this conception of logic was to create what I called an "Logic of knowledge exploration", mainly on cognitive sciences knowledge, to prototype this same logic.

The (endless) path was made while walking, with others.



A Systematical Logic of Knowledge Exploration

(Hermeneutical circle)

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