



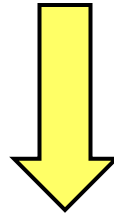
Spatial Mobility of Knowledge.

**A proposal for a more adequate
communication model**

Peter Meusburger

Exchange of knowledge is a highly complex process

- **Most deficits in research about**
 - the impact of the internet on the spatial mobility of codified knowledge,
 - knowledge spillovers
 - knowledge sharing in clusters, organizations and networks



- **can be traced back to**
 - an oversimplification of the communication process,
 - a missing distinction between knowledge and information,
 - insufficient categorizations of various types and grades of knowledge

Categories of knowledge

implicit ↔ explicit

High-grade knowledge

tacit ↔ codified

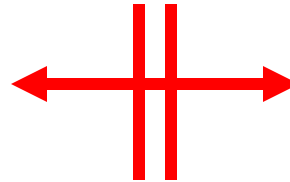
Low-grade knowledge

Knowledge embodied in people

knowledge presented in texts, signs

Knowledge integrated in machines.

information



knowledge

**Perception and interpretation of
signs and patterns need prior
knowledge**

This exposure will help a
geomorphologist to describe and
explain 20.000 years of climatic
change

The information revealed by this
exposure can only be circulated
between agents with similar prior
knowledge



Exposure

Crucial steps where the process of knowledge transfer between communicator and recipient can be distorted or modified

- the willingness of person X to share his or her knowledge with others,
- the ability of person X to verbalize and codify his or her knowledge or demonstrate his competence,
- the degree of attention, reputation, and visibility the platform enjoys where the information is presented,
- the code in which an information is written,
- the communication channel (and type of contact) used for transmission,
- the place- or context-dependent chances of recipient Y to receive the information in time,
- the ability of Y to read the used code,
- the prior knowledge and cognitive capacities needed by Y to understand the information and integrate it into his or her knowledge base,
- the willingness of the recipient to accept the new information.

Generator of Knowledge Communicator

Nonverbal Knowledge, Implicit (Tacit) Knowledge, Procedural Knowledge

Knowledge Made Available to the Public

Knowledge Kept Secret

Factors that Influence the Diffusion of Knowledge

Factors that Influence the Acquisition of Knowledge

Loss and Distortion of Information

Recipient of Information

Information that the Receiver Obtains, Understands, Approves of, Processes, and Integrates into His or Her Existing Knowledge

Other Factors of Influence

Code and Channels of Transmission

Ability to Articulate and Codify Knowledge

Impulse
Impact and Reputation of Platform on which Information Is Presented, Rhetoric, Persuasions Skills of Communicator, Coalition with Power

Filter of Analytic Knowledge

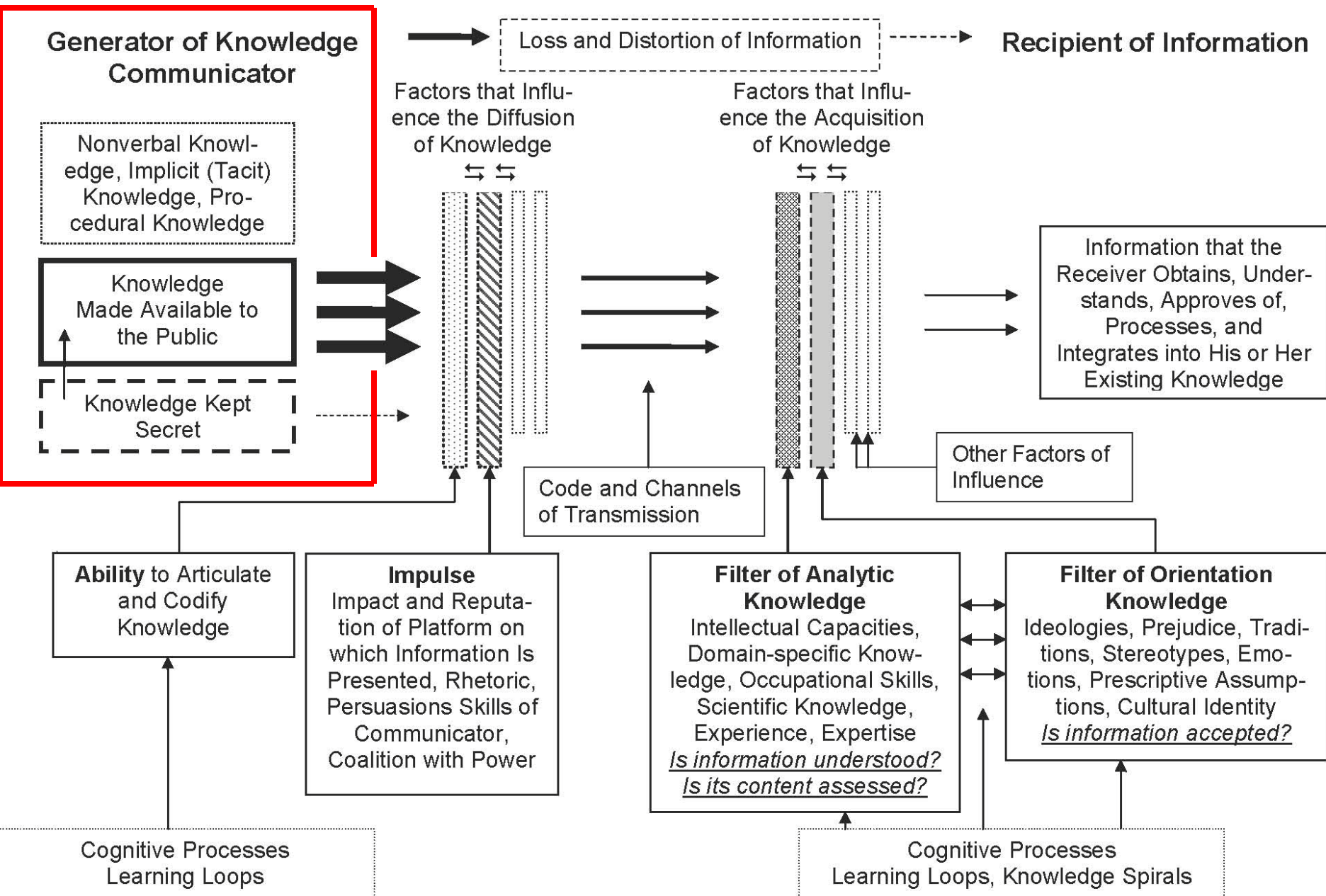
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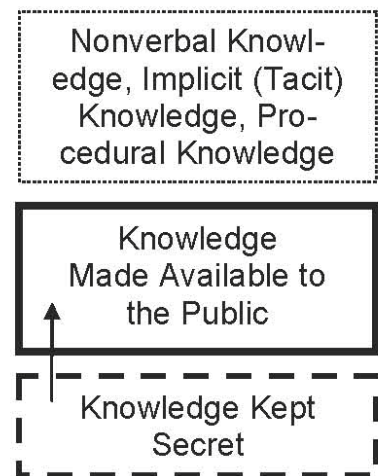
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Cognitive Processes Learning Loops

Cognitive Processes Learning Loops, Knowledge Spirals



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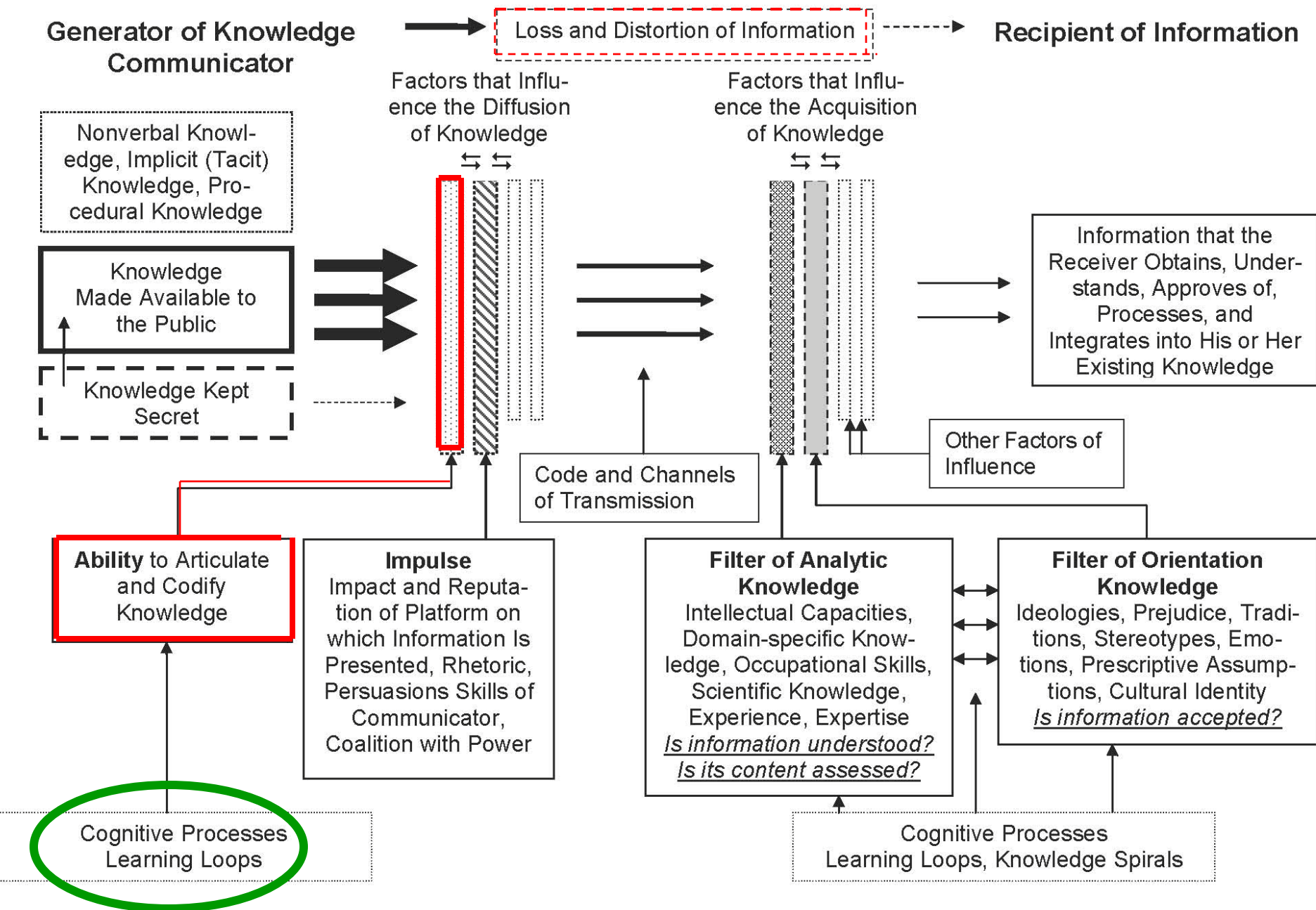
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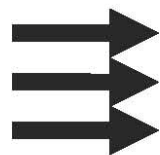
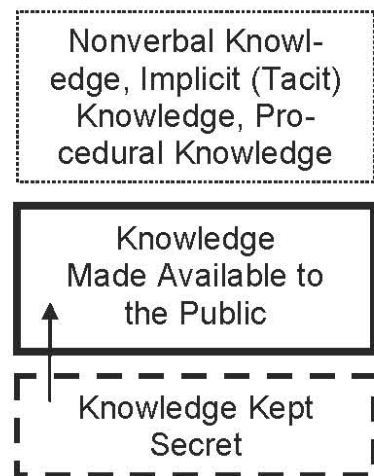
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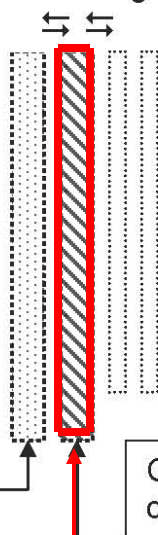
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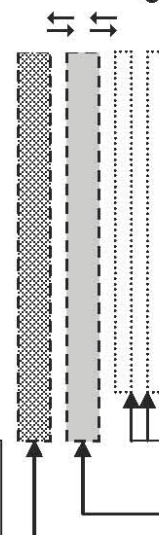
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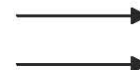
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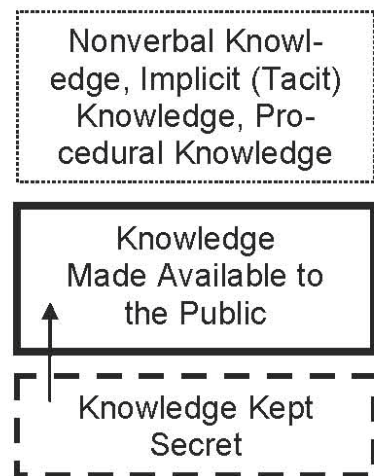
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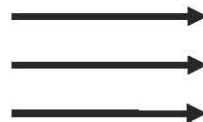
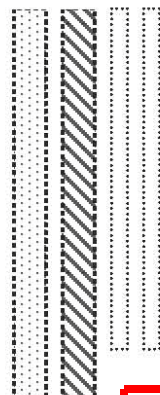
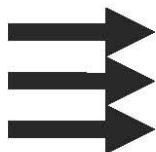
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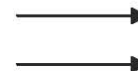
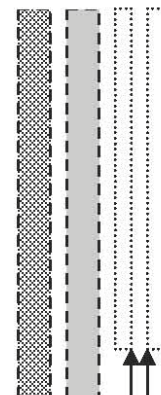


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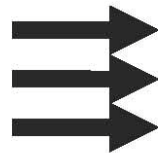
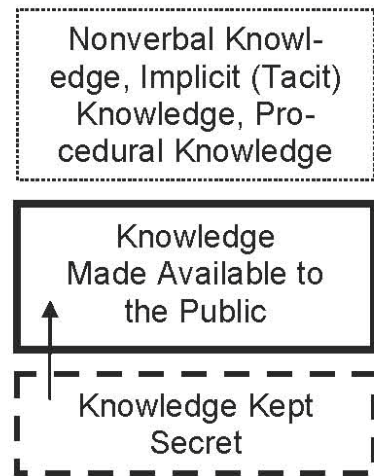
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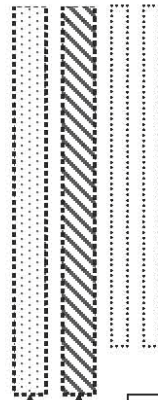
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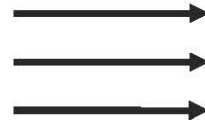
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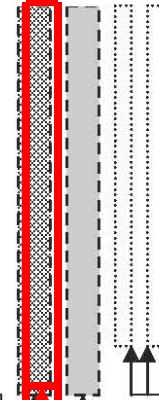
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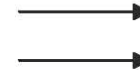
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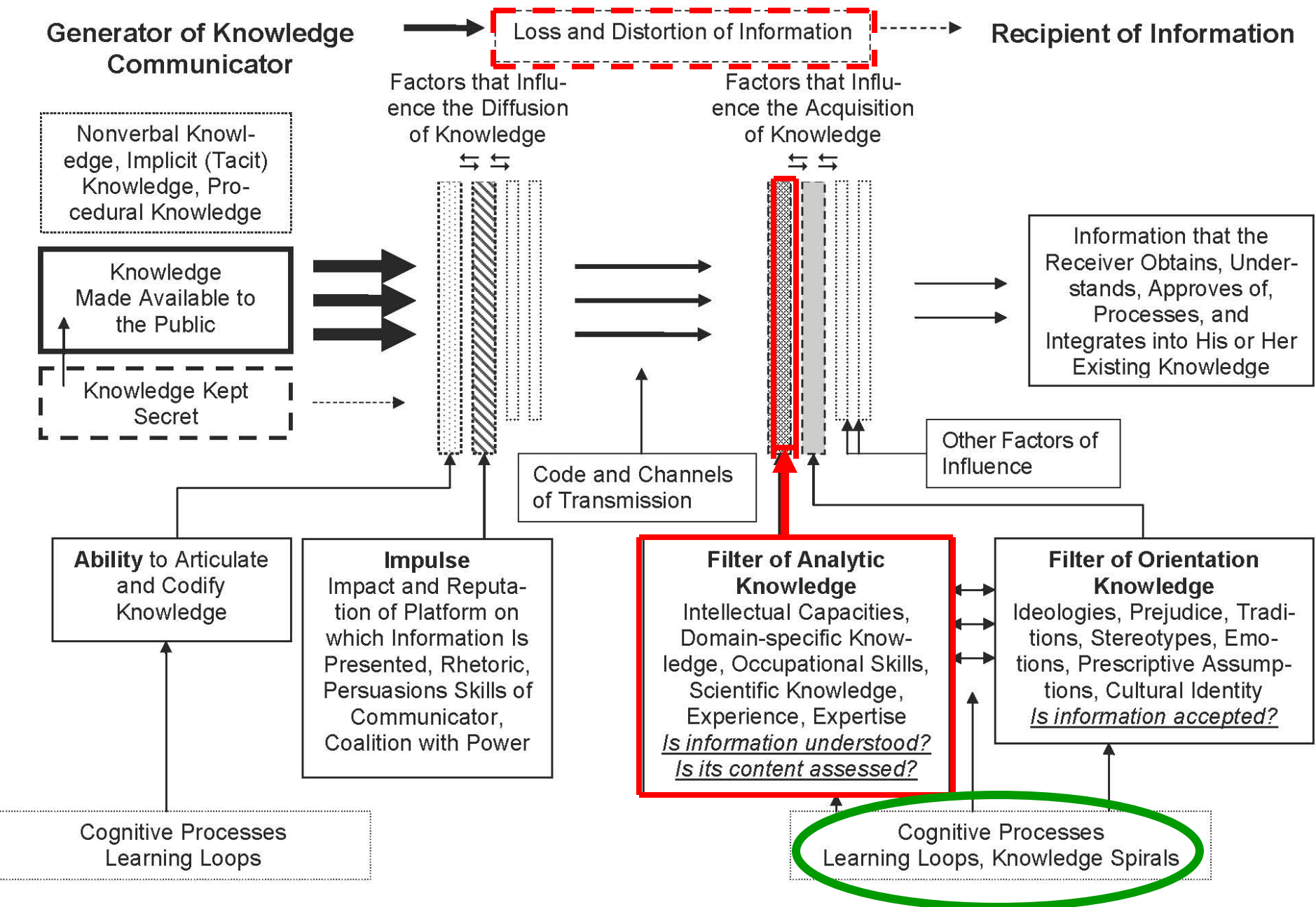
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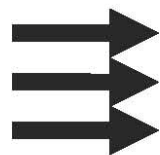
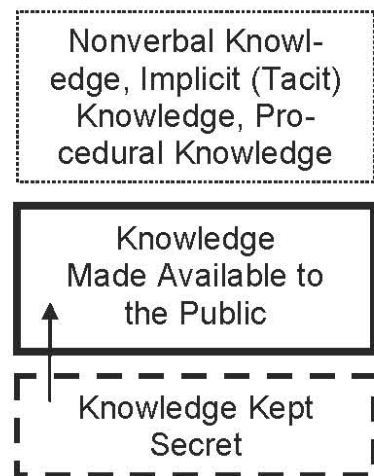
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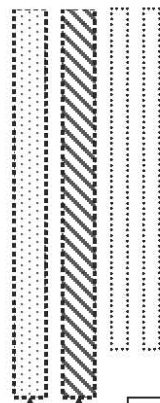
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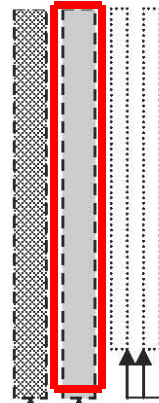
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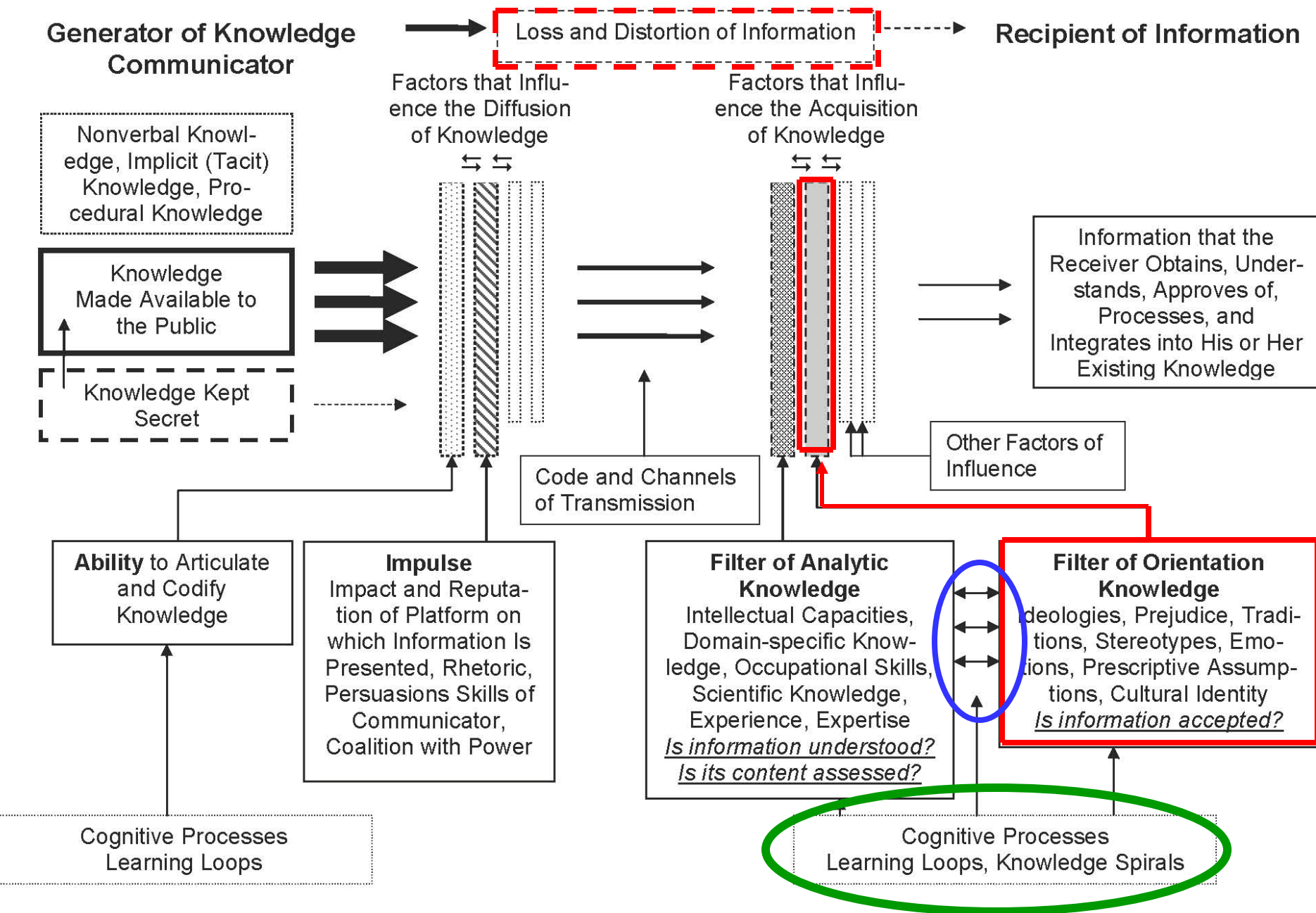
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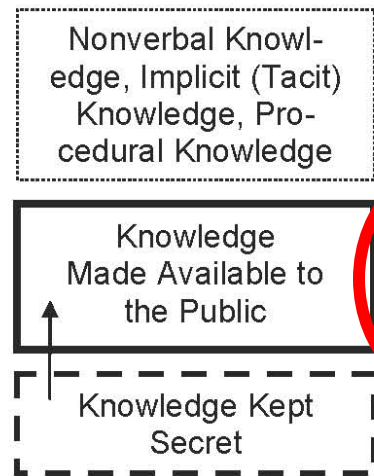
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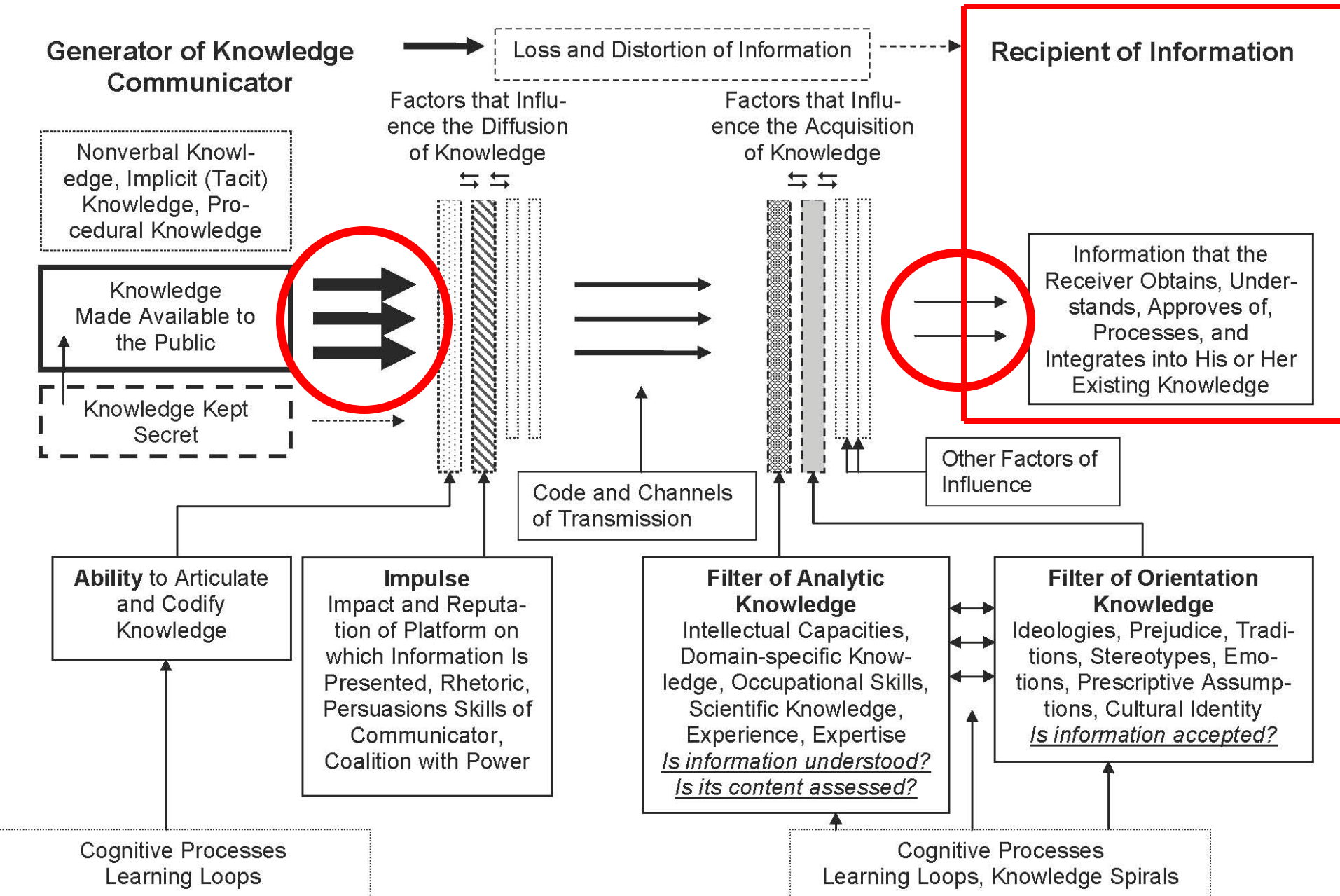
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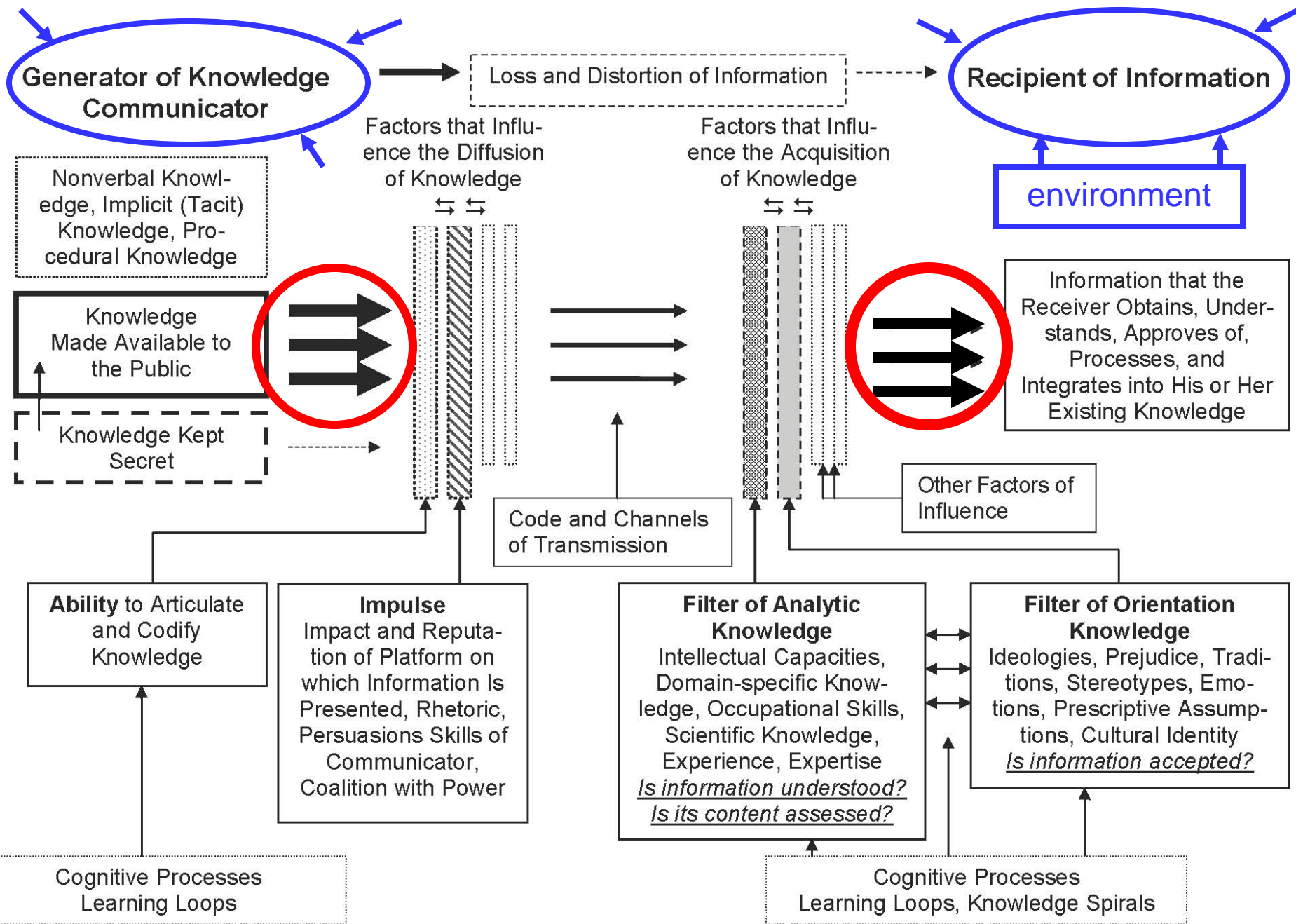
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Thank you for your attention