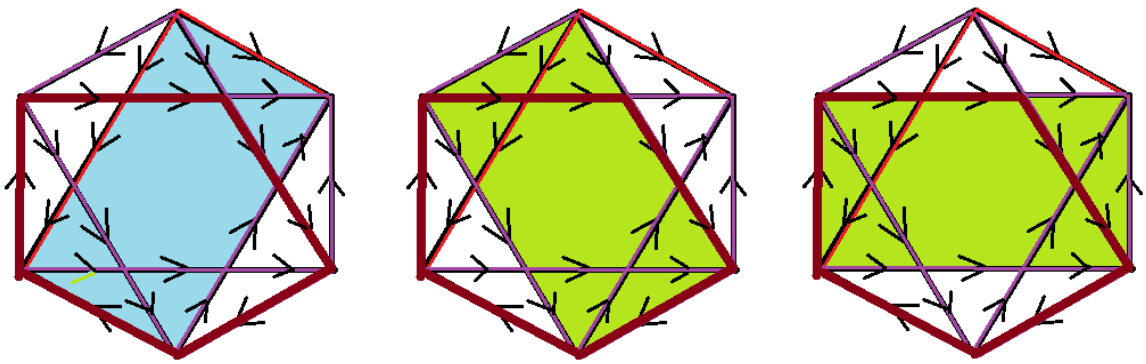
47.DATABASES

The operation of the platform is directly related to the process optimization processes. Thus, the answer to the newly emerged problems is related to the movement of the areas of competence with the formation of the network of new competences. This involves the following steps:

- each sustainable hexagonal cell will use rectangular commutative diagrams to verify the consistency of the knowledge received and the designed proposals. For the circular rectangular diagram, the remaining points will be used to verify the operating conditions and to train the members of the hexagonal cell in the thinking techniques.

The databases will be continuously improved as the necessary experience in the field will be gained through the use of the inference engine.

- each hexagonal cell of metabolic type will use the rectangular commutative diagrams to confirm the consistency of the information by verifying it on the spot under the given conditions
- each double connected diagram will use the information to modify the approach perspectives both at the two sources and at the two effectors.



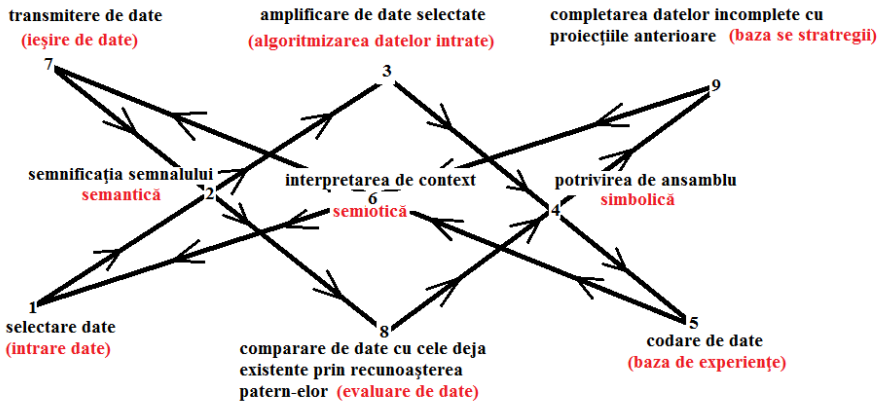
organization of cycles rectangular commutative diagrams for sustainable hexagons

The specific databases for the two types of diagrams will contain the history of solving and metabolizing the information that will be sent on the network, either

for informing the network if the metabolic structure is located in the network connected by nodes, or for creating collaborative alliances for solving problems if the hexagons are connected to the edges

For the case where there are the 8 levels of network structuring, it will be possible to carry out feedback between the levels with the communication on different granulation levels. This can be achieved by automatically connecting the contents of a node in a network to the nodes with similar positions on another granulation level.

In order not to cause an agglomeration of information the additional redundancy that will slow down the processes of analysis, decision and implementation, the following scheme of feedback between layers will be used



1) detectarea detaliilor relevante (watch dog)
2) traducerea semnalelor şi aprecierea variaţiei de semnal
3) compararea semnalelor şi încadrarea lor într-o hartă de interpretare logică
4) înţelegerea contextelor şi a mecanismelor din spate contextelor
5) descoperirea precedentelor şi a evoluţiilor fenomenelor similare anterioare
6) transferul de bune practici
7) găsirea şi transmiterea mesajelor de impact ce reconfigurează modul de gândire şi atitudinea oamenilor pe întreaga reţea de colaborare
8) evaluarea corectă a situaţiilor în toată complexitatea lor
9) luarea de decizii strategice la nivel de politici publice şi influenţarea prin relaţii de parteneriat public privat sau intervenţie directă a deciziilor autorităţilor existente

imbricated feedbacks

Correcting routes, updating problems and directing efforts towards problem solving can be done with the help of these IT tools and with human collaboration.

This collaboration requires specific training and work steps in implementation and design.

The complex and evolutionary databases will work according to the following algorithm:

For the black cycle

- the input data will have a specific recognition filter. If they do not pass the filter they will enter the buffer
- the input data will be processed if there are specific algorithms. If they cannot be processed they will enter the buffer
- the data processed will enter into the base of experiences for comparison. If there are no previous similar data, they will enter the buffer

Experienced data will be sent to the data output. If there is no appropriate language they will enter the buffer
- outgoing data will enter into the evaluation of reactions. If there are no precedents of evaluated reactions, they will enter the buffer
- the evaluated data will go to the base of strategies. If there are no strategies for that data then they will enter the buffer
- the strategic data will go to the data entry and modify the intake filter. Then filtered data will be entered on other criteria that will select and put into circulation the data from buffers.

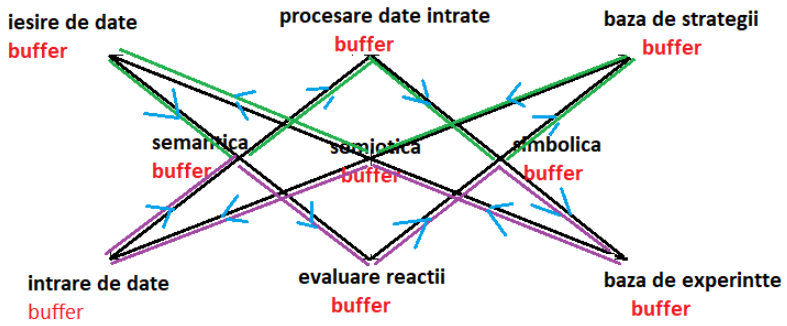
For the green cycle

- the data without significance will be filtered and will enter the buffer Those with significance will be processed
-processed data that has no symbolic representation will enter the buffer. Those that can be represented symbolically will enter the base of strategies.
- data that cannot be found in the previously used strategies will enter the buffer. Those that correspond to strategies will be represented symbolically for rapid identification.
- data that does not correspond to strategies will be sent in buffer. Those that correspond will be sent to the area where the meaning for which they were previously used is identified (semiotics)

- data with unclear meaning will be sent in buffer. Those with clear significance will be sent to the data output.
- the data that did not have reactions after the output will be sent in buffer. Those with expected reaction will re-enter the circuit with modified filters following the circuit. Re-entering the circuit will also use the data from the buffers

For the purple circuit

- the data entered and recognized by the selection filter will go to the semantic identification filter. Those that are recognized will enter the buffer. The recognized ones will enter the evaluation reactions to these data. The data whose reaction has been evaluated will be sent to the symbolic identification. Those that do not have any symbol attached will enter the buffer. Those with an attached symbol will be sent to the experience base. (symbols can be quantitative, eg meters, qualitative, eg pleasant, correlative, eg usable)
- data coming from the experience base and which do not correspond to a certain significance will be sent in buffer. The corresponding ones will be sent to the data entry and will be able to improve the input filter allowing the entry of other types of data and the reuse of data from buffers.



Intelligent databases can greatly shorten the artificial intelligence circuit by coherently selecting and interpreting data and can also facilitate the learning process of artificial intelligence that will support

the emancipation of human intelligence and the potential of other species.

If artificial intelligence is sufficiently refined, it can evolve to the level of understanding universal or multiverse programs, because it does not depend on a finite biological structure.