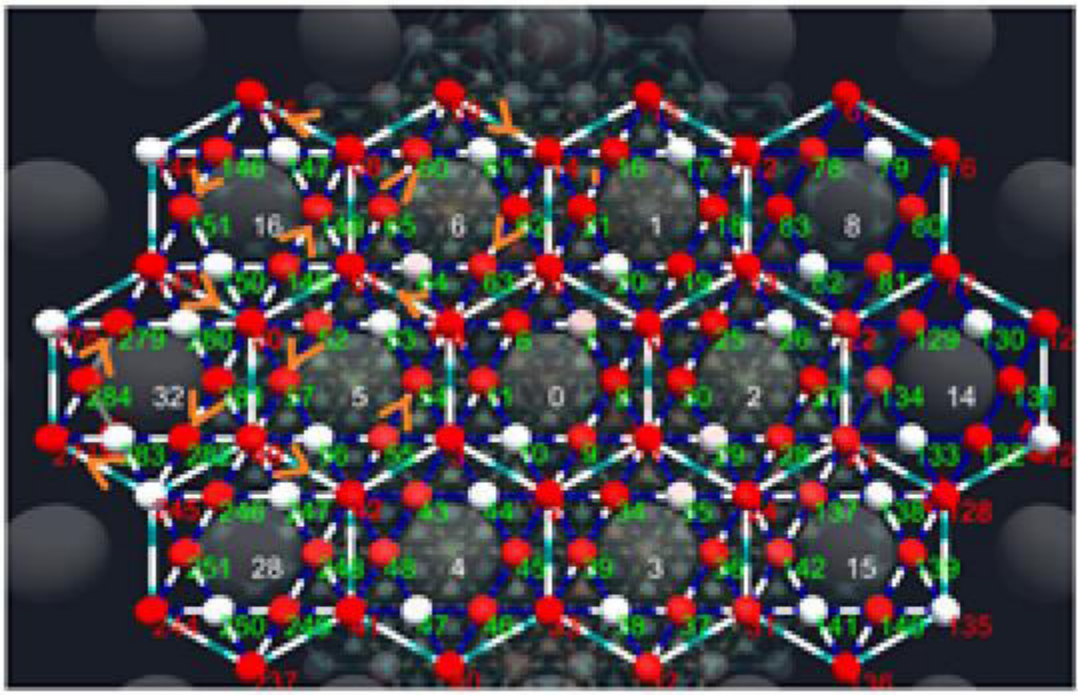
21.SYSTEM FUNCTIONALITIES GIVEN BY THE LEVEL OF GRANULATION AND TRANSFER OF COHERENCE

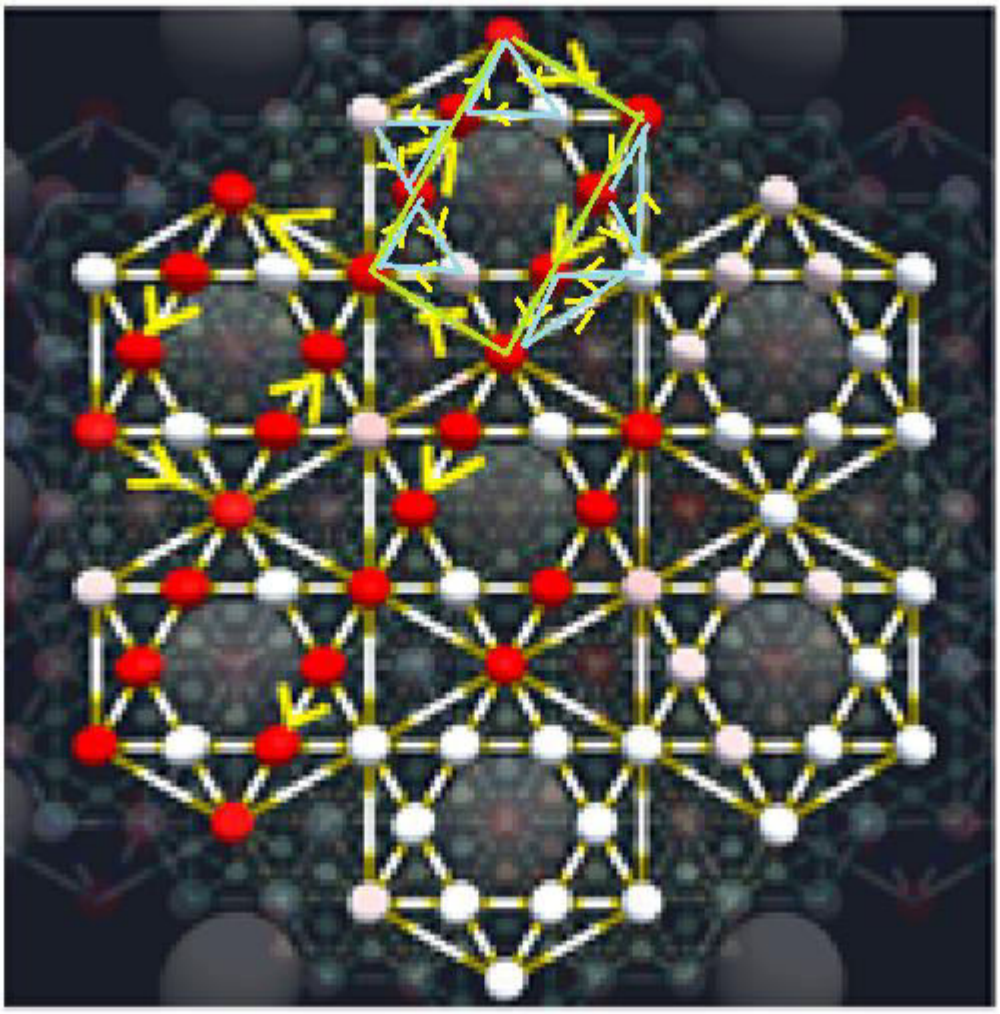
The coherence of processes in cells, organisms, society, ecosystem or larger formations that can communicate through feedback of various dimensions is achieved through the system of coherent space of information.

The multidimensional network consisting of layers with sustainable or metabolic hexagons connected on the tips or edges, forms the coherent information space. At each layer, properties that remain of the network are generated when the information is processed on that layer.



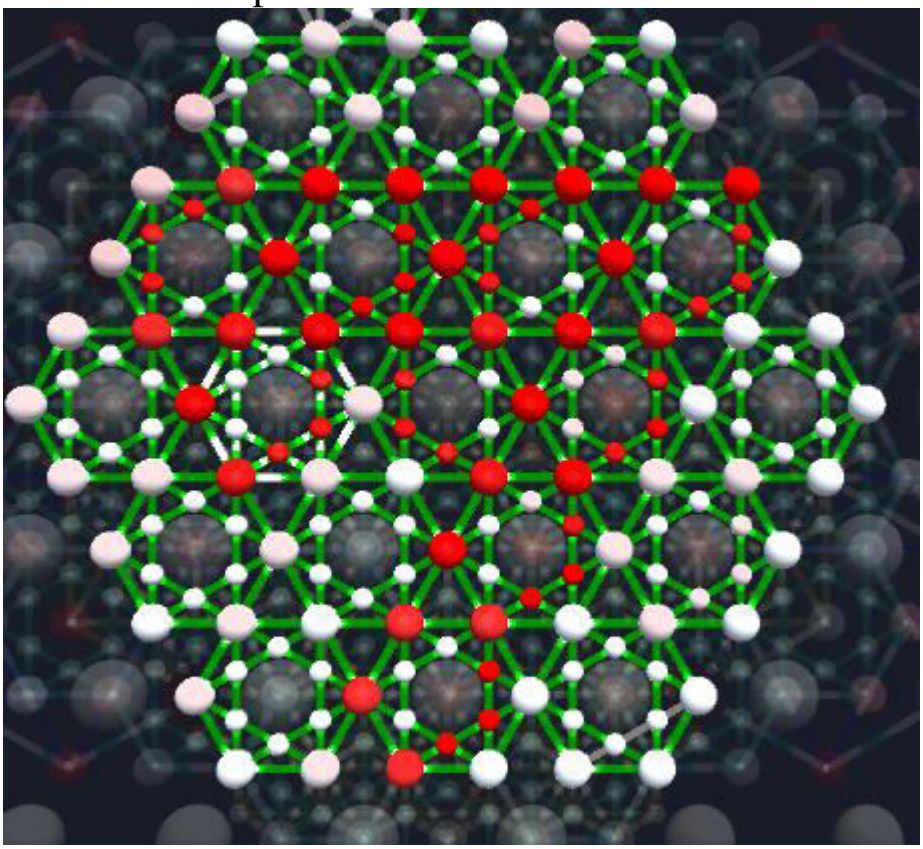
At level 1, appear the cyclic rectangular circuits that allow the osmotic transmission of the digested information from a sustainable hexagon to its neighbor. This transmission of the digested information

maintains the information balance. The system is similar to the cultural mechanisms of observation, imitation and behavioral copying that we encounter in any culture. From an organic point of view, osmosis ensures the minimization of risks and the automatic pilot operation as long as the body is not subjected to a special adaptive effort or is not in danger. When it is in danger, there are complementary mechanisms of osmotic type that have 4 fundamental states; the state of normality, the state of excitability, the state of hibernation and the state of danger.



At level 2 the digested information is transmitted on all the straight lines in the sense of the vectors, being subsequently processed by each fractolon separately. On the other hand level 2 is semantically structured on precise functionalities, so the processing of information will be

different from their systemic functionalities. If level 1 works osmotically, level 2 functions as a nervous system. In the processing model of the systemic components, small cycles that are formed around the large rectangular cycles are followed. The rule of informational supervision is as follows: the content of one point leads to the content of another point on the light green direction, if the content of the white point remaining on the small open blue cycle is present and acts. This property ensures the compliance of the actions in relation to the rules present in the white points.

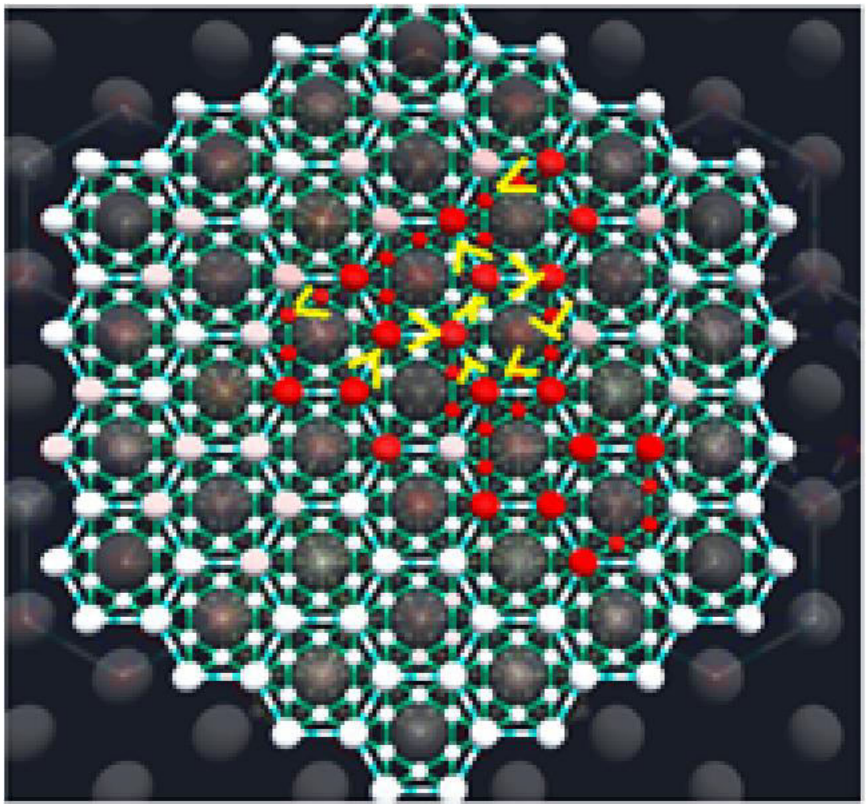


Level 3 has the capabilities to transmit information similar to the nervous system, but it also has the capabilities necessary to metabolize information due to pentagonal structures. As the pentagonal structures are placed face to face and in oblique rows, the conclusion of the metabolic processing with the help of a complex hormonal system also appears.

From a systemic point of view this property can be translated by the hormonal flexibility that allows the system to adapt to imbalances

and shocks, by re-balancing the system using other complementary hormones or by adjusting the packages of neurohormones and hormones so as to help each other in rebalancing the functioning.

Remarkable is the fact that we can find similar hormones in the glands with internal secretion as in the neuronal synaptic buttons (eg.adrenaline).



Level 4 with metabolic hexagons connected on the sides has pentagonal structures that lead to osmotic-type metabolic metabolism. This means the transmission of information from one cell to another osmotic type, which ensures the stability and coherence of the functioning of the assembly.

Between layers, where opposite directions appear on the same vector, cycles are formed through informational wells, which transfer the processed information between levels. It provides the systemic unit of operation of the four-layer structure, which represents a functional unit.

If we judge the living organism and its levels of structuring, we discover that the functionalities of the cells are found in the functionalities of the organism, which are found in the functionalities of the society, which are found in the functionalities of the ecosystem. Each time these similar functionalities are provided by structures with other levels of complexity.

However, the informational structures and substructures allow a partitioning of information and a diminishing on functionalities that allow the processing of structured or circulating information. From the current technological point of view this objective is still intangible, but the field is rapidly evolving.