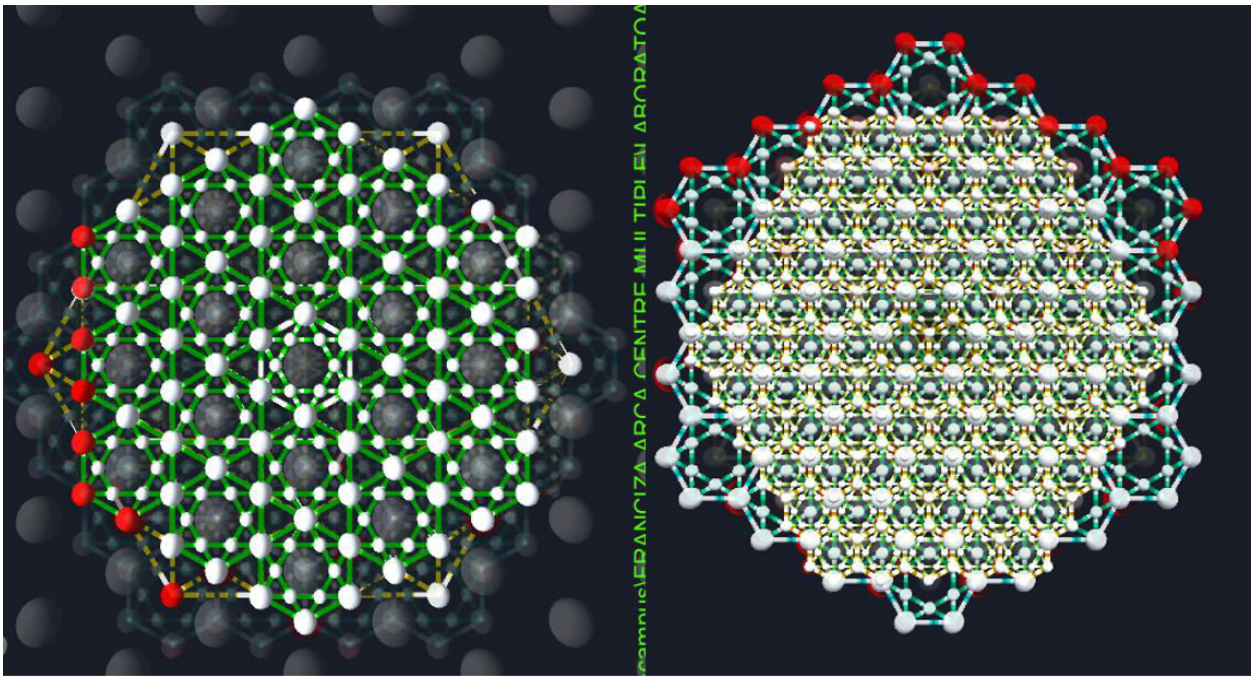
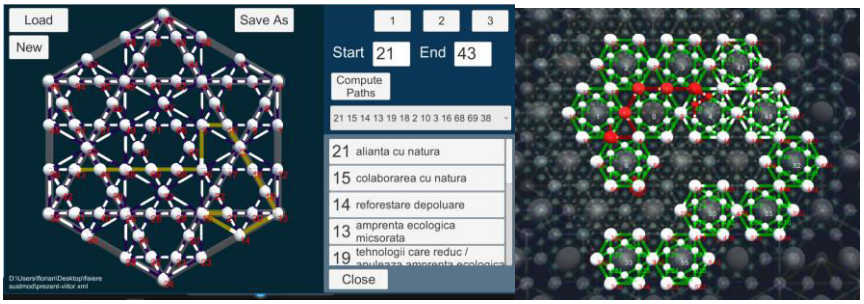
14.CONFIGURING THE COHERENT SPACE OF INFORMATION

The coherent space of information is a tridimensional structure of sustainable or metabolic hexagons, connected on the tips or edges, which are on two distinct granulation levels. You can build a structure of several clusters of four successive layers, but each cluster is different, inheriting the properties of the previous clusters and developing other specific properties.

The layers overlap are done on the same grid of lines, each layer being derived from the previous layers. The directions of the vectors on two distinct layers will be generally identical, but there will be opposite directions,too. In this case, cyclical rectangular structures will form between layers.



One of the basic properties of the structures involved is the development of the initiatory paths between two nodes on the same layer. Because of the semantic contents of the nodes, the successive steps on the initiatory paths are always logically coherent.



The laws of coherent space are also found in the structures of life, going up to the architecture of the human body, physical and functional, which has its own semantics on our mental maps.

The coherent space can be used with the help of the inference engines. They need to be designed on different levels of structuring of the information from feedbacks, so that it can work on the different configurations of the coherent space, at different granulation levels.

The transition from 2d to 3d and subsequently to nd as the number of dimensions generates very complex feedback structures, which interfere with parallel plans structures that generate polytopes in the spaces of nd dimensions. For us, these structures are almost impossible to imagine, unless we have a complex and trained mental map to think in the system. Properly programmed artificial intelligence can overcome these barriers.