PHILOSOPHY

***Irina V. Lapshina*[1], *Anna V. Alekseeva*[2], *Ruslan I. Bazhenov*[3]**

([1]Taganrog institute named after A.P. Chekhov (branch) Rostov state university of economics (RSUE), Taganrog, Russian Federation; [2]Institute of management in economic, ecological and social systems of the southern federal university, Taganrog, Russian Federation; [3]Sholom-Aleichem Priamursky State University, Birobidzhan, Russian Federation)

The importance of carbon polygons in controlling the activity of emissions from the perspective of cognitive modeling

In the article, the authors analyze modern solutions related to methane and carbon dioxide emissions into the Earth's atmosphere. Examples of already implemented projects for the creation of carbon polygons in Russia are highlighted and described. The analysis revealed emission reduction mechanisms implemented in world practice, which are based on new remote sensing technologies using infrared sensors placed on airplanes and satellites. It is also noted that an interesting solution in this area is to build maps of "global foci" on a global scale. In addition, the authors conducted cognitive modeling in the context of building cognitive maps and eventually presented the constructed cognitive model "Carbon polygons – an emission control tool". In conclusion, the conclusions are drawn.

Key words: carbon polygons, cognitive maps, cognitive modeling, methane emissions, emission reduction mechanisms.

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