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Solitude or cosmic multitude in the Fermi Paradox and a complex approach to the Great Silence

Many explanations have tried to resolve the Fermi Paradox, some of which have argued for our cosmic solitude. The more sceptical positions emphasise the innumerable random factors in the emergence of living species, the contingent events that may determine their extinction, the rare conditions of our solar system or our planet. On the other hand, some scholars have argued the abundance of life in the cosmos, it necessarily emerges as a result of physical and chemical laws, there is nothing special about our position as observers. Opposing sides emerge in which contingency and necessity become the metaphysical categories of reference, life is alternately represented as rare or extremely common. After identifying and researching the reasons for this polarisation in scientists' explanations, we will deconstruct the dualistic thinking behind these considerations. Philosopher Edgar Morin's complexity paradigm will help find an alternative that aims to articulate a multidimensional face of living systems and our knowledge. Previous solutions to the Fermi Paradox will be reconsidered in the light of complex thinking, which favours hypotheses that seek to interconnect the innumerable factors that have until now determined the Great Silence the universe.

Title

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Author name

Maria Antonia Delli Gatti

Track

SETI, italiano

Primary author: DELLI GATTI, Maria Antonia (University of Naples Federico II)

Presenter: DELLI GATTI, Maria Antonia (University of Naples Federico II)

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