

Study of Extraterrestrial Activity Framework Prototype

The framework is created to depict the most important sectors within the study of extraterrestrial activity. Scientists start building assumptions and find technosignatures, based on what they already know in terms of planetary science, moving on to the habitability and biosignatures of our Solar System. When it comes to objects located far from the Milky Way, the researchers tend to use extraterrestrial chemistry and astrobiology methods in order to prove the basis of the first given assumptions.

Object		Research Method		Location
Habitable Planets Discovery		Measurement	Modelling	Planet Earth
Active	Remains	Radiolocation	Digital Twin	Earth Orbit
Biosignatures	Animal Fossils	Interferometry	Physics-Informed Neural Nets	Our Solar System
Technosignatures	Ruins and Primitive Tools	Spectroscopy	Artificial life Modelling	The Milky Way
Messages	Technological Structures	Microscopy	Modelling of Planetary Conditions	Observable Universe