

Linguistic models for paleontology and paleoecosystems

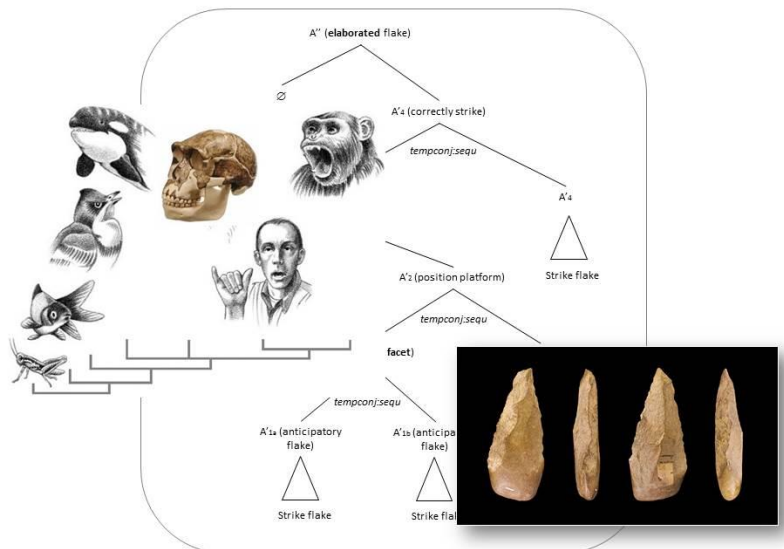


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When relaxing its definition, the language concept is found everywhere, from human languages to ecosystems, showing a kind of linguistic structure. I would like to illustrate this audacious assertion in the case of tropical ecosystems and of knapping. I will show models of a new kind, inspired from theoretical computer sciences, which may appear useful for paleontology and paleoecosystems. Such models are based on linguistic structures and properties. With this new framework developed by the team behind me, we hope we could soon test new hypotheses for which no other appropriate methods exist today.



Cédric Gaucherel is researcher at INRAE and works at the UMR AMAP in Montpellier. Initially coming from Astrophysics and astronomy, he now develops various methods for studying ecosystems and landscape functioning. Author of numerous scientific publications in ecology and physics, he is also the author of several books for the public.