

In philosophy, **poiesis** (from Ancient Greek: ποιησις) is "the activity in which a person brings something into being that did not exist before."

Autopoiesis a system capable of reproducing and maintaining itself

Allopoiesis: the process whereby a system produces something other than the system itself

Practopoiesis a kind of adaptive system, a theory of adaptive organization of living systems

Sympoiesis: collectively producing systems that do not have self defined spatial or temporal boundaries



The process in which data brings something into being that did not exist before.

INTRO

Data and computation have transformed our existence.

The wide and ubiquitous availability of data – in processes, objects, bodies, communication, homes, appliances, offices, schools, hospitals, environment... – have transformed not only what we can do and achieve, but also who we are.

This process started with globalisation, the process of interaction and integration among people, companies, and governments worldwide.

With digitally-enhanced globalisation, global constantly penetrates local, just as local constantly permeates global, in a continuous, polyphonic, ubiquitous, complex, irreducible feedback loop that transforms reality and the ways in which we are able to experience it.

Data and computation (such as algorithms, AI, and all the other forms of software processing of data) are at the center of this phenomenon, and, thus, at the center of our mutation as human beings.

Data is constantly extracted from our environment, processed (computed) and the results of this elaboration are used to make decisions, personalize services and interfaces, classify human beings, objects and places, and to steer the ways in which

things happen.

This process is not always transparent and accessible. Most of the time, in fact, it isn't, and this fact is bringing serious negative impacts into our lives, endangering our rights, liberties and social organizations.

It is imaginable to reposition data and computation in our society, transforming them from something which is a mostly extractive industry into something that positively contributes to human well-being, contributing to building meaningful relationships, enhanced empathy and solidarity, civic participation, knowledge and information production and sharing.

Data Poietic Objects are objects (things, furniture, appliances...) whose essence and character depends on Data and Computation.

They are not only technical artifacts, but also cultural and existential ones, as they dive deep into contemporary culture and in human perception and understanding, creating new opportunities for social imagination.