Bioinspired Artificial Collective Intelligence

knowdle

We are programmed beings, intelligent? but programmed, only our programming system is DNA, an evolutionary system with more than 3.5 billion years of automatic learning.

Nature inspires human beings, there is no doubt about it, and Leonardo Da Vinci was its great forerunner. Although the oldest known records of man's inspiration in nature date back more than 40,000 years, when primitive men already painted in the caves of Lascaux or Altamira, there has not been in the history of art, an artist or genius who, at some point in his evolution, has not found inspiration from the natural. Leonardo was the one who pointed out that outside of Nature there is nothing and other searches are vain... the perfection and elegance reached by that nature turns it into an aspirational model for the imperfect human being by definition.....

And that is Artificial Intelligence, a model that imitates the imperfection of human thought, and therefore, it has to be fallible, social, bio-inspired and evolutionary...if you have a fallible and exact solution, read an algorithm, it is NOT AI. And the most recommendable thing is to apply it.

Natural or artificial intelligence requires learning, in different ways, mostly heuristic, imitation of nature, which has always involved the human being, and each time, in more social behaviors, and thinking of the common good.

KNOWDLE GROUP - we have been researching and learning from our mistakes for eight years (on April 2nd we started this evolutionary learning process).

Collective intelligence should not be understood for what makes us equal, but for what complements us and makes us better together. **"What you know I don't know, and what I know you don't know"**
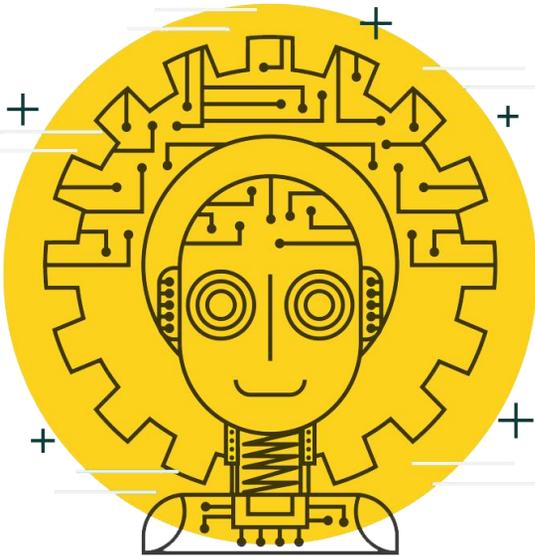
Rafael Yuste, director of the Brain Project in the United States, says "*the brain cannot be understood by how a single neuron works, or an image cannot be understood by a single pixel*".

Our interpretative model of knowledge is fundamental so that the result of our collective bioinspired artificial intelligence resembles the decision-making mechanism of the human being. According to the latest studies, it makes more than *35,000 conscious decisions every day*, and 90% of those decisions are collective, that is, influenced by other human beings, our friends, our families or our colleagues.

And nature has a high impact on those decisions as well, the climate even influences our mood. We don't make the same decisions when it's sunny or rainy, when it's cold or hot.

And motivation, another very differential human element. There is no right decision without the right motivation.

Simple, but very complex. In KNOWDLE we have developed an architecture capable of learning and automating complex processes that resemble human behavior. And it learns from its decisions. And its motivations. From what influences us, especially from those who influence us.
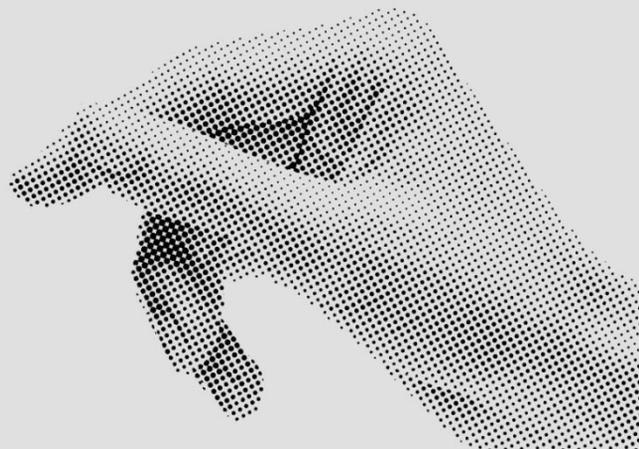
The only thing we have not yet collected is creativity, that human ability that we do in a differential way. A characteristic that robots are not yet able to perform, allowing people to have more time to devote to other more satisfying and less tedious tasks. Dangerous, boring and, why NOT, more "dirty" in the broadest sense of the term.

And if we add the common good to the whole sea of complex systems, we come closer to ethics, that space in which the effect or impact of our decisions on our environment is beneficial (or at least as harmless as possible). In KNOWDLE we have designed a decision-making environment that includes all these elements with enormous efficiency.

A world that will continue to improve in the coming years by adding goals to decision-making mechanisms. Another human imitation. Our motivation is always reflected in our goals. And the decisions that bring us closer or further away from them.

AI is NOT only algorithms, although they help, it is NOT a neural network, although they are useful in some of their facets, it is NOT infallible, although it tries to approach infallibility, but above all it is learning, explanation and verification of the results and their impact.

A challenge that is NOT new, but now, as KNOWDLE, has an incredible and exciting future to develop.