

ETHICS OF ARTIFICIAL INTELLIGENCE

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GPT CHAT: A MAJOR INNOVATION

- **Chat GPT : CONVERSATION CREATOR**

- CHAT stands for "Conversation Created by Artificial Intelligence".
- GPT (*Generative Pretrained Transformer*) means it automatically learns deeper and faster.
 - Pretrained: The training has already been done, but will be continued live...
 - Transformer: this is based on a network of "artificial neurons = mathematical signals" and has a mathematical function capable of processing 175 billion parameters at a time.
 - Generative: decisive step = this "intelligence" is capable of generating texts, poems and music.

GPT CHAT: AN IMPORTANT INNOVATION (2)

- It was launched on November 3, 2022. By January 2023, it already had 100 million registered accounts and **1.6 billion visits**.
- **It's the world's fastest-growing sector.**
- Access is free as long as you create an account. The content of your account will be used to feed CHAT's automatic learning system.
- ***Innovation is very new because it gives the public access to extremely powerful technologies with relative ease.***

GPT CHAT: AN IMPORTANT INNOVATION (3)

- 1. ANALYTICAL FUNCTIONS :

- It allows you to establish connections and "digest" millions of pages in a fraction of a second.
- He translates texts.
- It can also summarize texts written in any language. Always according to a defined style and point of view. Like a doctoral thesis, for example.
- It is already used to generate (imperfect) subtitles under videos. And also to artificially produce the voices of actors in translated films. A strong reaction from this profession of specialized translators.

GPT CHAT: AN IMPORTANT INNOVATION (4)

- 2. GENERAL FUNCTIONS (more "human")
 - It is based on a network of "neurons" which are nothing more than mathematical signals. And its mathematical function can process 175 billion parameters in vivo.
 - And a machine that looks like a human. BUT IT'S NOT.
 - It produces concise, intelligent answers that look human. Sometimes smarter than the user.
 - **It's very important that we remain aware that this is only a machine, NOT A PERSON!!!!**
 - **Example: 1st suicide in Belgium thanks to ChatGPT...**

CIVILIZATION'S THIRD MUTATION

- **1st CIVILIZATION: ORAL TRADITION:** Memory is essential to life. Anything forgotten is lost. And this loss is life-threatening for the whole group.
- **2nd CIVILIZATION: WRITTEN TRADITION:** Memory becomes much less important. For it is writing that enables important messages to be transmitted. The human mind memorizes much less. What enables it to do so is PHILOSOPHY. Plato, Aristotle. But today, we're saturated with writing. No one is capable of understanding everything that is written. It's the end...
- **3rd CIVILIZATION: THE TRADITION OF HUMAN ENGINEERING (AND MIND).** Intelligence will increasingly be provided by artificial intelligence. And this frees humanity to develop its genius linked to BEING. And therefore also to human creativity in its inner dimension.
- Reference: youtube 'Ramon Juquera and Guibert Delmarmol on IA' (French).

RETHINKING EDUCATION

- *It is likely that humans will no longer teach the younger generations. AI will take over.* For example, to learn biology, it will be possible for young people to travel, with AI, inside the human body and see how it works at all levels: atoms, cells, organs... exciting!!!
- **THE "PROFESSORS" WILL BE WISE COACHES & COUNSELLORS** who will help young people evolve towards these new dimensions.
- **NEW DIMENSIONS:** Because it will be super necessary to orient intelligence towards new dimensions: its genius, creativity, interiority, spirituality and learning to love oneself and others...(Jesus)
- **GAME EDUCATION:** but also the new importance of a well-chosen game to enrich mind and soul.

RETHINKING EDUCATION (2)

- *The gradual disappearance of examinations and diplomas* is probable, but not immediate.
- Because this transformation in *education will take 30 to 50 years. It won't happen overnight!*
- And this is only a medium- to long-term trend.
- And maybe I'm wrong!
- But we have to DARE to think about the very radical novelty we are facing.

EDUCATION (3): BACK TO PLATON

TRANSFORM THIS ORGAN SO THAT IT SEES THE LIGHT OF BEING AND GOODNESS

Socrates explains 3 ideas on EDUCATION

1. that true education consists in taking children out of the cave and showing them the path to BEING, and the need to free themselves from the chains that imprison human beings at the bottom of the cave.
2. But Socrates adds his famous phrase: "Know thyself and thou shalt know the universe and the gods".
3. He adds: "Education is not what some people make it out to be. On the contrary, they maintain that science must be placed in the soul, where it is not, as if sight were placed in the eyes of a blind man."

EDUCATION (4): BACK TO PLATON

Let us go to Platon's text:

- *"The present discourse shows that every soul has within it the faculty of learning and an organ for it, and that, as the eye can only pass from darkness to light by turning the whole body at once, this organ must be turned away with the whole soul from perishable things, until it becomes capable of bearing the sight of Being and the most luminous part of Being, and this is what we call Good, isn't it?"*
- *Yes, education, I repeat, is the art of transforming this organ and finding the simplest and most effective method of doing so. ...*
- *This faculty of knowing ... certainly seems to belong to something more DIVINE that never loses its power ...*

REFERENCE : Marc Luyckx "Sur le chemin de l'être" pp. 49-51

THE NEED FOR NEW GLOBAL RULES

- In 2023, the EU promulgated a system of rules for AI, mainly on the feasibility of AI types. These rules have the merit of existing. But they will certainly be amended many times over the coming years.
- EXAMPLES OF OTHER IA AREAS TO WATCH OUT FOR :
 - **MILITARY ATTACK DRONES:** without the power to kill... or with an AI that identifies potential victims and DECIDES TO KILL... OR NOT TO KILL.
 - **AUTOMATIC DRIVING MACHINE:** Who decides if the machine should leave the road... or kill someone...? ?

IA: THIS IS JUST THE BEGINNING...

- CHAT-GPT and other "artificial intelligence" engines are used every day in many ways, some of them invisible.
- It's a bit like the steam locomotive in the 1830s. It's not going away. This new technology is going to change our world profoundly.
- As Sam ALTMAN, Director of "OpenAI", who launched the "GPT Chat" on September 19, 23, put it: *"This is just the beginning"*.
- *And that's just for starters...*

POEM: ARTIFICIAL LOVE DOESN'T EXIST

*There is no such thing as "artificial intelligence".
The root of intelligence,
Its invisible center
From which everything radiates,
Is Love.
We've never seen,
And we'll never see
Any form of "Artificial Love*

Christian BOBIN, French poet,

IA HAZARDS

- The dangers are obvious.

1. RISK OF ILLITERACY.

1. The younger generation seems to be unaware of many important general concepts... in our vocabulary.
2. Teachers observe a negative trend. Towards a language with very few words...

2. DANGER OF BEING KILLED :

1. We've already talked about DRONES, which are already programmed to decide for themselves whether to kill a person they can recognize thanks to AI.
2. And then there are the self-driving cars (AI) which can also decide to kill on the road.

3. POSSIBLE WAR OF SUPER INTELLIGENT ROBOTS AGAINST HUMANITY: Dr. Zhouying JIN, member of the Beijing Academy of Social Sciences, observes that the possibility of this new type of war exists at least in the long term.

CONCLUSION: WE NEED TO CREATE A NEW, SMARTER AND MORE ETHICAL GLOBAL CIVILIZATION.

- These powerful developments in AI technology are forcing us to rethink the fundamental values of our global civilization.
- We need a new, much stronger ethical foundation to face the future positively.