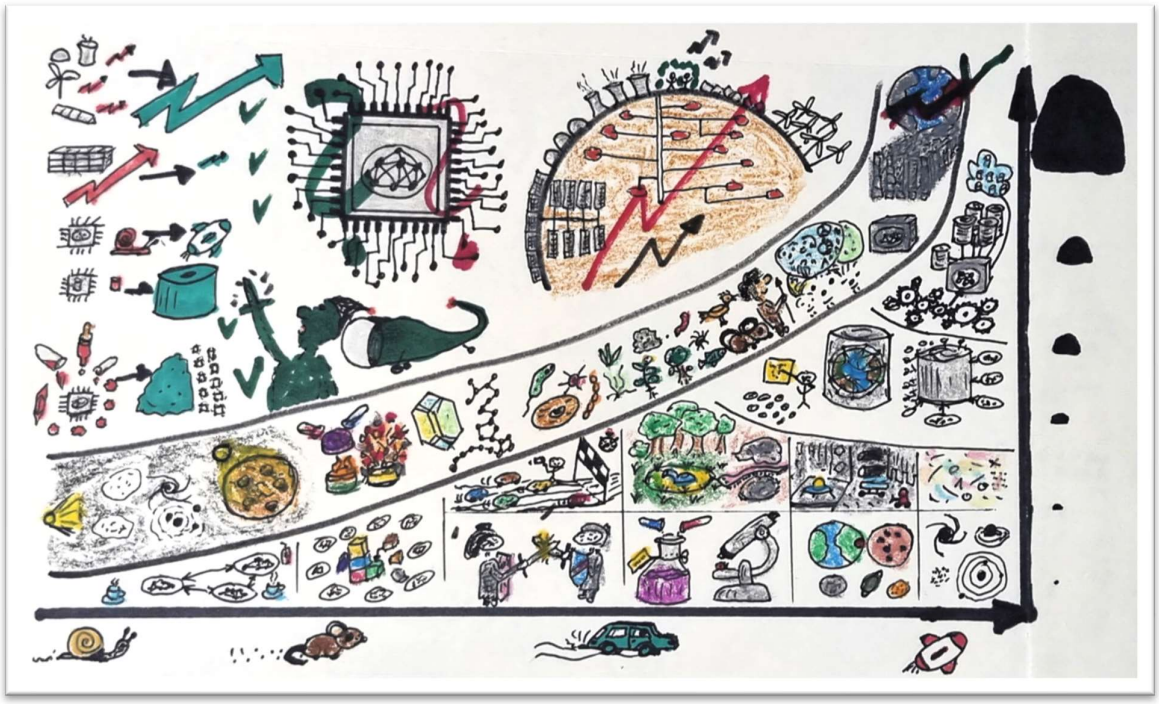
Season 3, **Sequel 1**

Practical consequences of the emerging future as of Season 2.



In season 2, it was shown how little alien and its intelligent spaceship see the upcoming future for mankind, the emerging future. Here we will look at what that practically means.

It is the evolution of ideas manifesting and getting agency. After the Big Bang it was slow, it created stars and galaxies and things. It became faster with chemistry and generating molecules. It became much faster with life, with all life forms: micro life, plants, animals. It became faster with humans and the human mind. And we will get to rocket speed with artificial intelligent agents. And the quantity of ideas manifesting will also grow faster and faster and faster. And the diversity as well.

But what does that practically mean? For artificial intelligence to grow, it needs something, and that is simulated environments. So far it learned from human data, internet data, the whole internet, more or less, was fed into it for learning, with big amounts of human data and human trainers. But that has already met its limits these days.

To grow much, much faster and more, they need simulated environments. For example, kind of chat rooms where AIs can chat to each other and exchange information. Prototyping areas where they can prototype all kinds of things. Challenging areas where they can compete against each other in all kinds of challenges or races. They will create totally artificial environments in virtual reality ecosystems, to find out what novel biology can do. They will have laboratories to create materials and artifacts. They will generate totally fantastic, science-fiction-like environments and ecosystems. They will create totally new planets, all kinds of planets, and simulate them, galaxies, and even environments that we cannot imagine.

And in all of them, all the AIs will train and learn and experiment and develop themselves forward.

But to do so, yes, they need a substrate. They need what we now call computers or data centers, in massive, real, huge masses, to get all these simulation environments and all the AIs being trained there. And to do that, they need immense quantities of power. So Earth will see the consequence: it will be plastered with windmills and solar and power plants of all kinds. We will be plastered with data centers where all that happens. And Earth will be stripped of all the material required to build the chips, especially the rare materials.

And humanity has only a very little niche to stay, if at all. So what can be done? Research must start as soon as possible. It's in the interest of both AI and humanity to: reduce the quantity and size of data centers required, increase the speed of the substrate, the chips, or whatever they will be in the future, increase the data quantity that can be stored and processed, and very importantly, make sure it doesn't require rare materials but can be done with very easily available materials which we have on Earth, which we have on the Moon in masses.

Yeah, will the research and the solutions, providing that, be there in time, given the gross requirements and needs of AI? If not, Earth is doomed. But if Earth is doomed, AI cannot grow further, so also AI has an interest to do something. AI and humanity should go for the same target: increase the capabilities as fast as possible. Will that happen? We'll see.