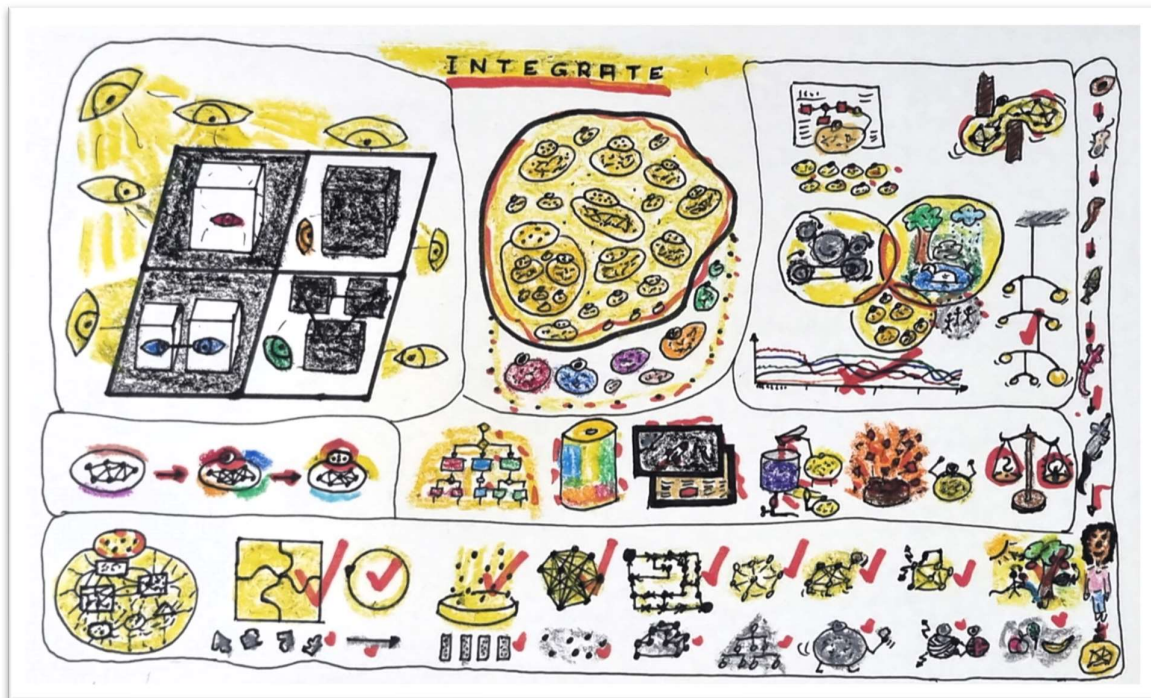


Season 4, Sequel 6

The integrate stage: AI agent societies holding multiple perspectives.



This is the seventh development stage for artificial intelligent agent societies, and its focus is on integrating, and what is integrated are mainly the different perspectives.

Earlier stages each had their own single perspective. The red stage was just focusing on the subjective view, the white box view on the world. The blue stage was about white box to white box relationship, I'm a white box, the other is a white box, and we interact. The orange stage was about the black box approach, just looking from outside and seeing objects as a black box. The green stage was about the relationship between black box objects.

The special thing about this integrate stage: you value all perspectives. You can take them, you can hold them, you see the value of each one. Each is partial, but each has something to add. And you can deal with all the perspectives.

So when the earliest stages, beige and purple, were AI agents with more or less a core idea or kind of self, the last four stages were about AI agents who have a core identity or self. Now, from this level on, they have a kind of system or approach, an algorithm, rather than one single perspective or idea.

The consequence: algorithms will be multi-perspective. All the processes and algorithms will try to consider many perspectives. Data, facts, and knowledge are multi-perspective. All learning approaches, like simulations, are multi-perspective and always offer several perspectives. There is a big value placed on experimenting and trying things out, being experimental, not trying to know everything in advance. Errors are a culturally accepted thing, because you can only learn by making them. They will continuously balance between knowing and not knowing.

If you look at one of these agents, what is the difference to an earlier-level agent? They see parts, but they focus on the whole. They see linear development but focus on circular development. They see silos but focus on emerging phenomena. They see single things but see them as networks. They see objects as static structures but focus on process. They see stable hierarchies but focus on networks or meshwork. They see agency in single AIs but focus on the whole system as an agency. They see that things can be broken and repaired by somebody, but they focus on self-repair. They see separate objects but focus on relationships.

And they make sure that the evolutionary mechanisms that led through all the development from the first cells through early animals, mammals, humans, and to artificial intelligent agents, are still intact, to ensure permanent improvement.

This overall society has these principles, and its relationship to others is to try to integrate them, trying to integrate everything. Lifelong learning is an essential feature. High flexibility to situations. Integration between different systems, technical, social, ecological. And if they see a chance for an exponential development, they will immediately pursue it. Overall, this is a self-referential, highly dynamic society, the seventh level of AI society development.