Metaverse

A virtual ecosystem for all. Explore, work, and play. Shape your own **metaverse** experience

Thomas - Matthias - Gaethan - Emy

Metaverse

The metaverse is a virtual world where people can interact, work, and play using the internet.

It's like a big, shared online space where you can do many things you do in real life but in a digital form.

Introduction

Metaverse Will Be Future Technology

Meta defines the metaverse as "a set of virtual spaces where you can create and explore with other people who aren't in the same physical space as you."

Major player in the Metaverse

International:

1 - Meta

Meta appeared in 2021 focus more to the metaverse and now offers information and services on VR, AR and smart glasses, with creative ideas and practical applications being developed every day by all people. The company's ethos is that the metaverse will work to transform education and industries ranging from healthcare, mechanics and engineering, to name a few.

2 - Microsoft

3 - Apple

Major player in the Metaverse

<u>In france :</u>
Sandbox (Carrefour Group, AXA insurances, Ubisoft, Havas Group, Arte, France Television)

Sandbox is the main French metavers company, and she already has an important international position. This company sell virtual environnement to his customers, wich let us create their own virtual territory

Carrefour Group was the first French company which tried the blockchain technology. Their virtual territory corresponds to 9 hectares, which is the same space as 30 standards supermarkets
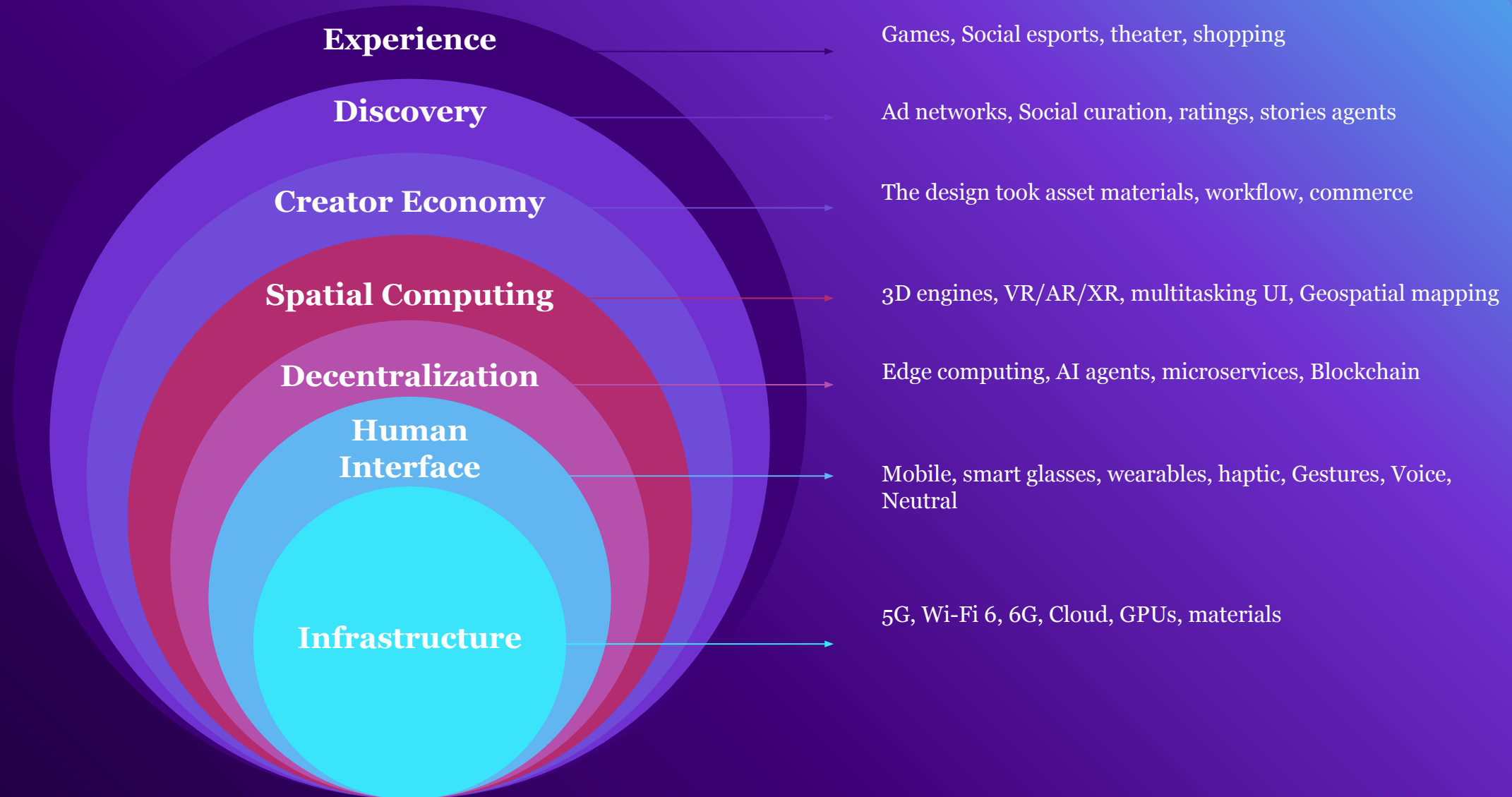
Metaverse

Social and Ethical implications

▶ Data collects: there are many interactions now with meta platforms and it's a necessity to protect all individual datas

▶ Cybersecurity: virtual financial trades could be a target for hackers,

▶ Property and numeric rights: e commerce creation and virtual property are a big subject about intellectual property and virtual rights

▶ Mental Health: Mental Health immersion part of metaverse could be a danger for humanity, like dependance and the reality feelings

▶ Virtual Economy: Metaverse could be the creation of new jobs,

Future of metaverse

In the future, metaverse might evolve in several domain :

Software and Hardware upgrades

VR headset will be more and more light and comfortable.

Research on brain-computer interfaces could allow more natural and immersive interactions with metaverse.

The deployment of 5G, and possibly 6G, will provide the bandwidth needed to have a less latency in metaverse experiments.

Apply in various fields

Education : Virtual environments will enable realistic simulations for medical training, engineering, and other technical fields.

Work : Virtual workspaces will become more common, allowing international meetings and collaborations without travel.

Vidéo games and events : The games will continue to be even more immersive and interactive. Virtual events, like concerts in Fortnite, will become more frequent, offering unique experiences to global audiences.

Future of metaverse

In the future, metaverse might evolve in several domain :

Regulations and Security

Protection of digital rights will become crucial to prevent abuse and protect intellectual property.

Research on brain-computer interfaces could allow even more natural and immersive interactions with metaverse.

The management of personal data and the prevention of cyber attacks will be major points to have a secure environment.

Conclusion

In summary, the metaverse is a new and exciting digital world where you can do many things you do in real life but through the internet. It uses advanced technology to create immersive experiences and has the potential to change many aspects of our daily lives.

The future of metaverse could really change the way we interact, work, learn and have fun.
But for this to go well, it will be necessary to solve some technical, ethical and legal challenges.
Businesses, governments and people will have to work together to create a metaverse that is accessible, safe and good for everyone.

Thanks for reading !