

# Exponential Technologies Boosting a New Future for Healthcare

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Exponential Technologies to Expanded People Minds

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# YESTERDAY...





# TODAY...



**So... what is the disruption of  
our times?**



# THE 12 EXPONENTIAL TECHNOLOGIES

**Moore's Law**



# THE 12 EXPONENTIAL TECHNOLOGIES

**Moore's Law**



**What is possible?**



# THE 12 EXPONENTIAL TECHNOLOGIES

**Moore's Law**



**What is  
(im)possible?**



# THE 12 EXPONENTIAL TECHNOLOGIES

**AI & Machine Learning**

**Biotechnology & CRISPR**

**IoT & Mobile**

**Nanotechnology**

**Quantum Computing**

**Robotics & Autonomous Systems**

**5G & future connectivity**

**Energy Storage & Battery technology**

**3D Printing & Additive Manufacturing**

**Blockchain & decentralized technologies**

**AR & VR**

**Clean Energy**









The entire world  
as a hospital  
setting...  
beyond walls!







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setting...  
beyond walls!



## Predictive

Diseases (disorders) can be accurately predicted by precursors and other tools before initial symptoms occur.

## Preventive

Interventions can be implemented for the predicted disease to prevent damage to health.

4Ps

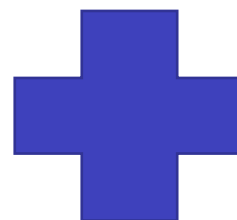
## Personalized

Patient-centered healthcare that is individualized for each unique patient.

## Participatory

Patients participate in their healthcare, with sharing of information and shared decision-making.

# The 5<sup>th</sup> P of the 4 P's



**P**ROACTIVE



**Ambition**





# New Players in Healthcare





A entrar com serviços como Amazon Pharmacy e Amazon Care, oferecendo telemedicina, entrega de medicamentos e dispositivos de saúde inteligentes.



cloud + IA inteligência artificial e parceria com hospitais e sistemas de saúde para melhorar a gestão de dados e a eficiência operacional.



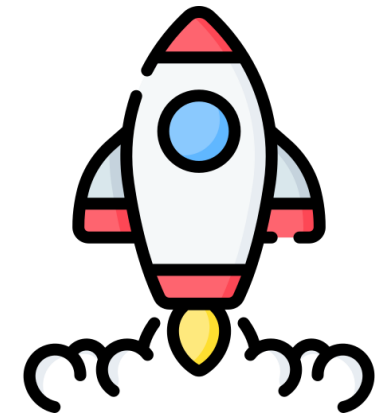
Verify e Google Health: big data + IA para diagnóstico,



Walmart está expandindo seus centros de saúde, oferecendo cuidados primários, odontológicos, e serviços de saúde mental a preços acessíveis



Apple Watch  
Telemonitorização



telemedicina, genômica, biotecnologia, e dispositivos médicos, trazendo novas soluções e abordagens para o mercado.





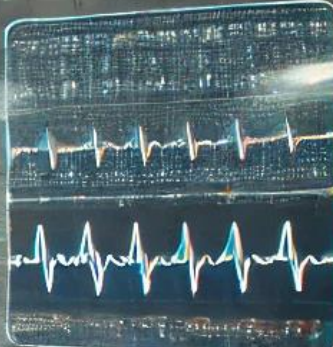
TELEABLE  
HEALTH  
DEVICES

Wearmedicine  
Monsultations

Wearable  
Driven  
Djeagnostic

Personalized  
Medicine

Wearable  
Devices



# New Ways to Deliver Health

Cloud-  
Health System

Personalized

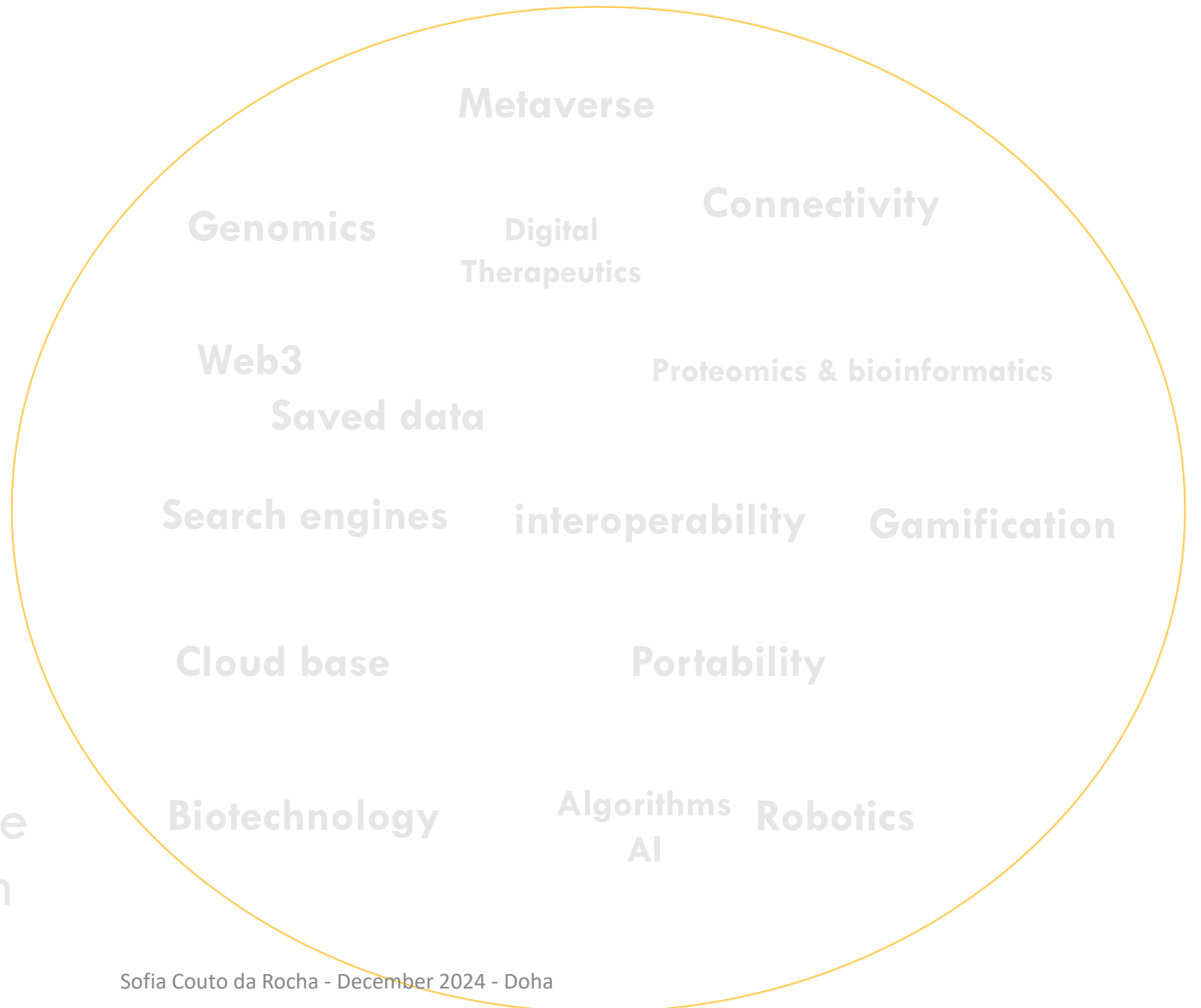






# New Hospital

More Data  
Everywhere  
Interoperable  
Connected  
Enjoyable  
Easy to find  
Agregated  
Generated Knowledge  
Real Time Information  
Predictable

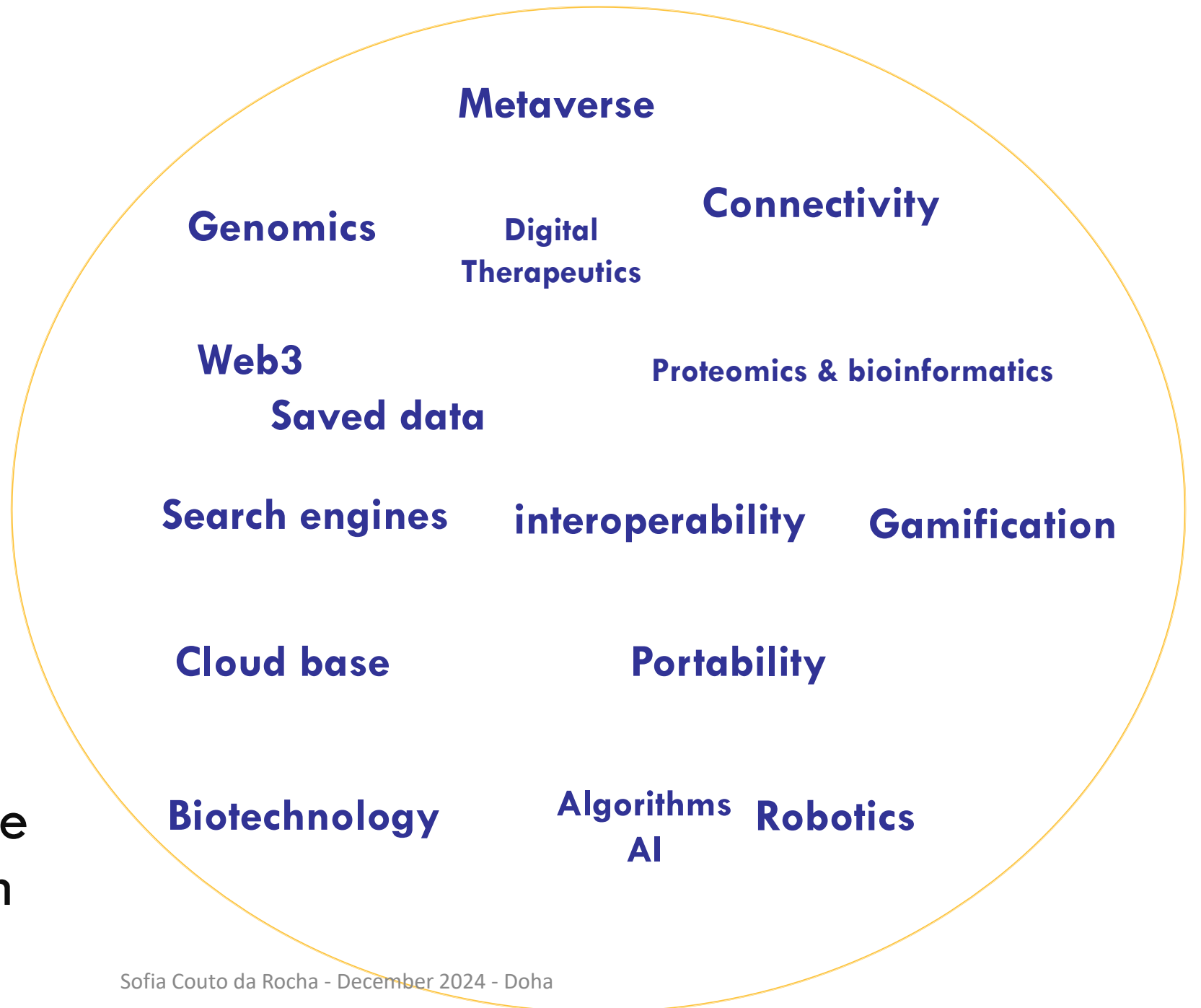




## New CARE

More Data  
Everywhere  
Interoperable  
Connected  
Enjoyable  
Easy to find  
Agregated

Generated Knowledge  
Real Time Information  
Predictable





**New CARE**

More Data  
Everywhere

Interoperable

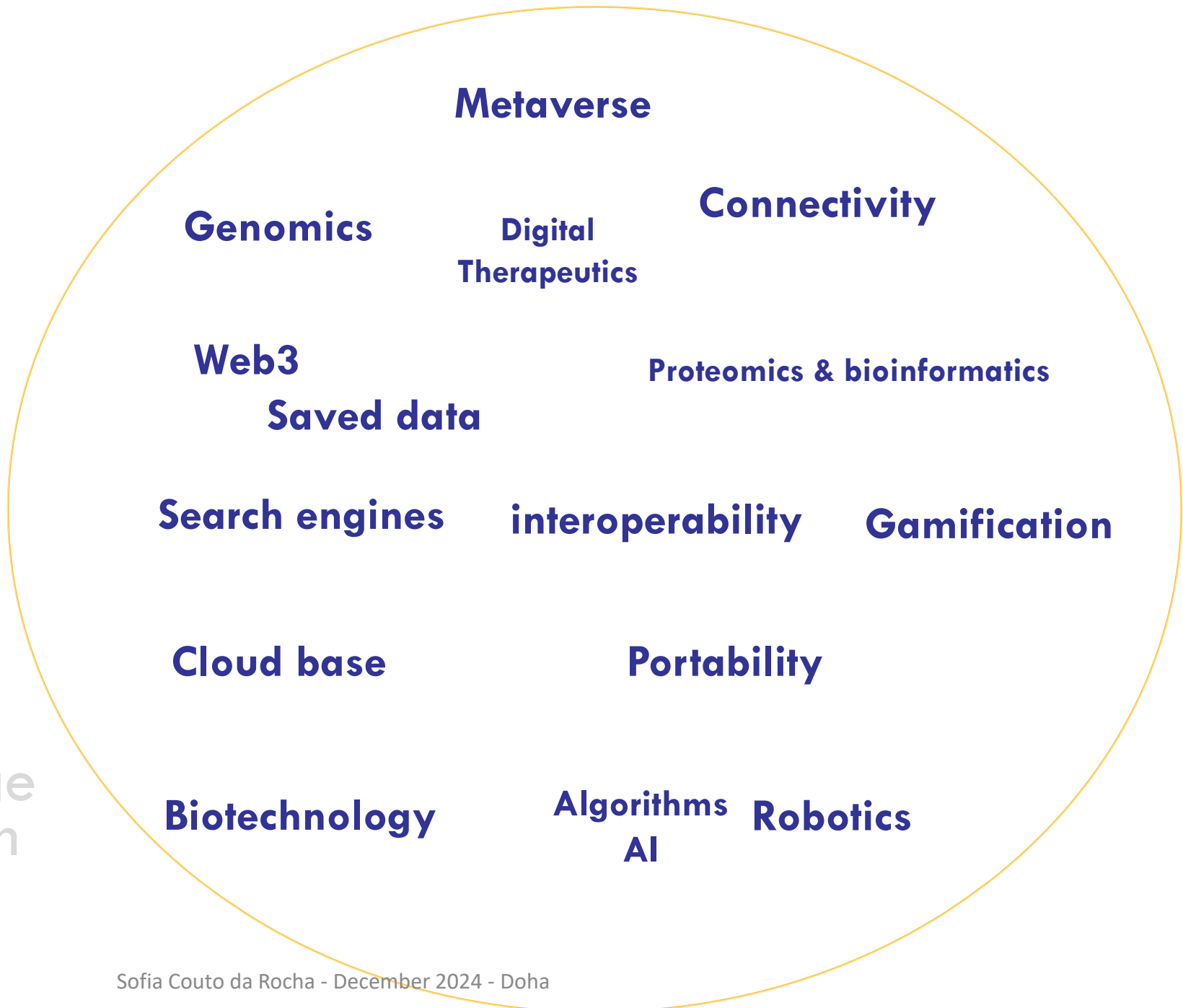
**VIRTUALLY  
UNLIMITED  
CAPACITY**

Aggregated

Generated Knowledge

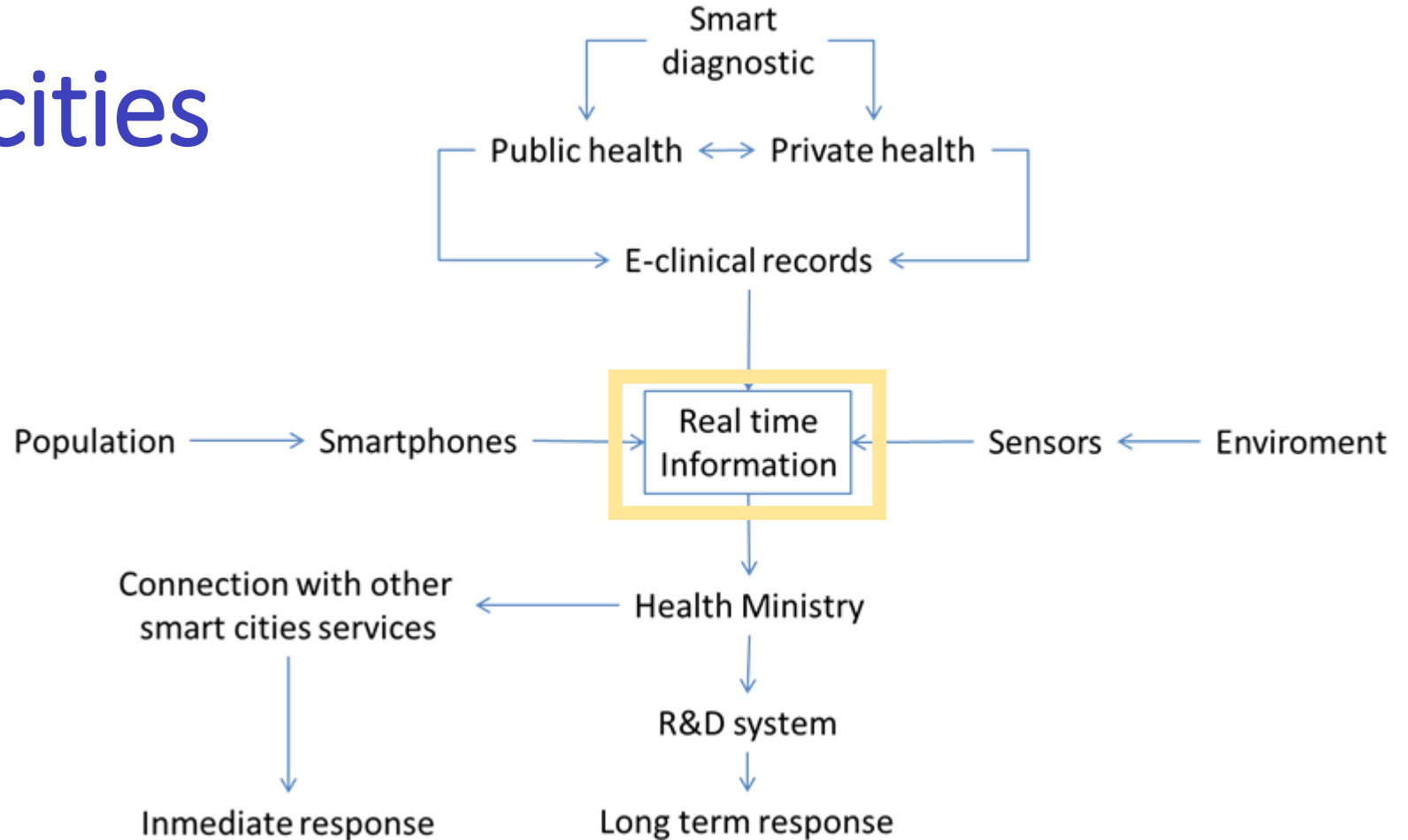
Real Time Information

Predictable



# Real-time health & diseases care cities

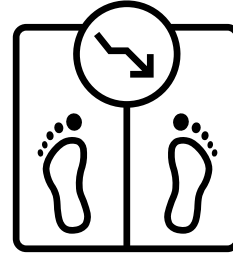
Objective of smart health in smart cities: instant awareness



# TODAY Future Care



**Personalized  
Medicine**



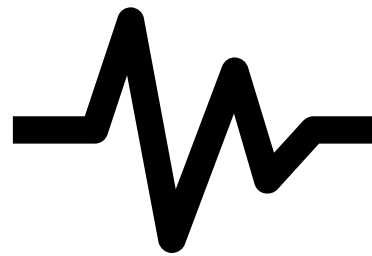
**Remote  
Monitoring**



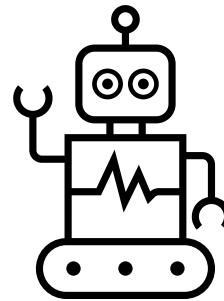
**Augmented  
Intelligence**



**Telemonitoring and  
Digital Health**



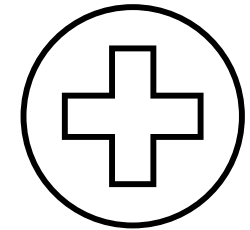
**Value Based  
Healthcare**



**Exponential  
Technologies**



**Care and Primary  
prevention**



**Data Integration  
and Sharing**



# Prevention landscape





With the citizen...

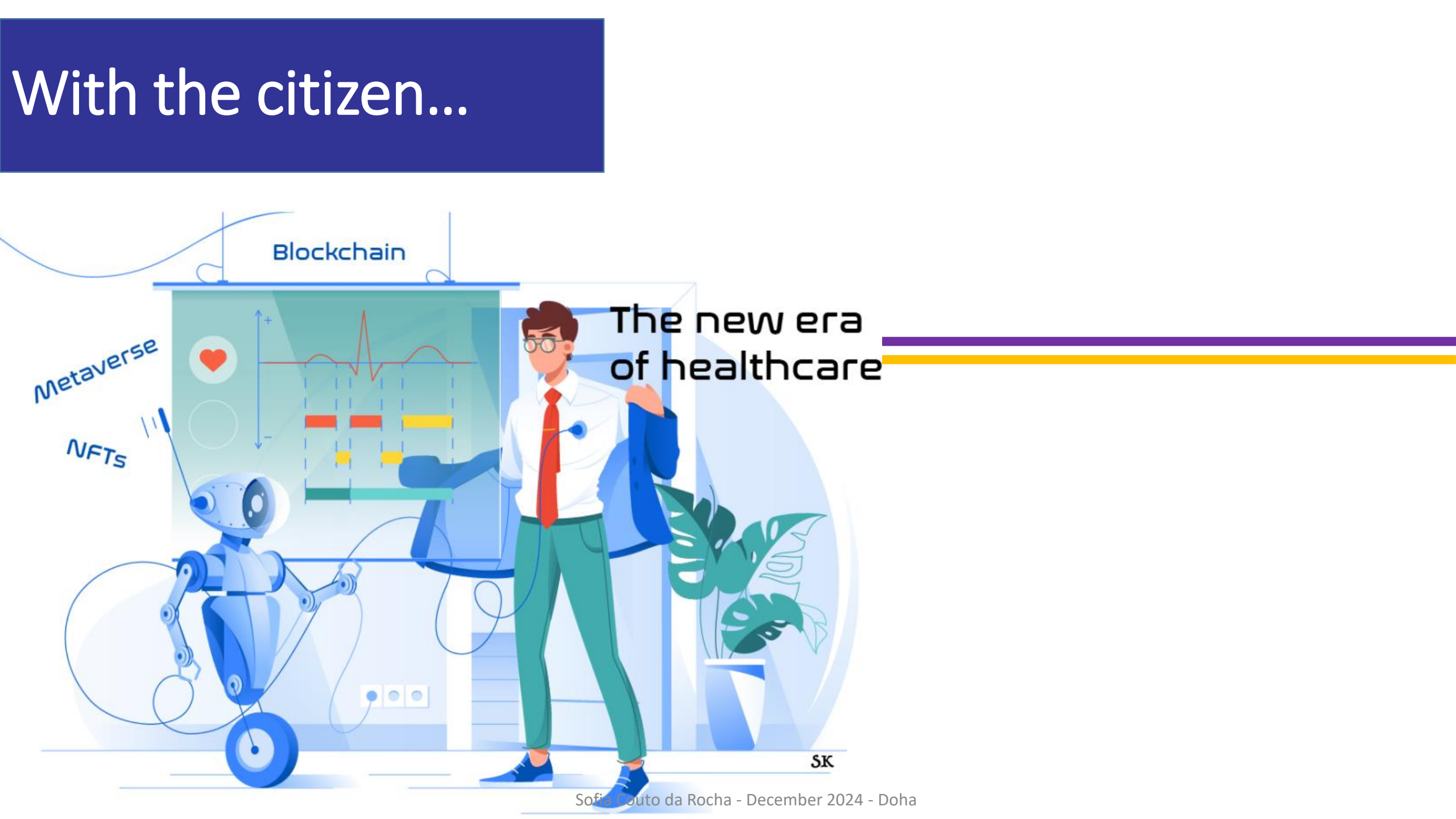
Blockchain

Metaverse

NFTs

The new era  
of healthcare

SK



**So... what does the hospital of  
the future look like?**













Thank You Very Much

شكرًا جزيلاً جدًا على حضوركم ودعمكم

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