



The IPv6 Forum The New Internet

DEUXIÈME ATELIER IPv6 FRANCE
Innovation des réseaux IP : tendances et défis



IDATE



arcep



Le Nouvel Internet

IPv6 - Based

5G - IOT - CC

BLOCKCHAIN



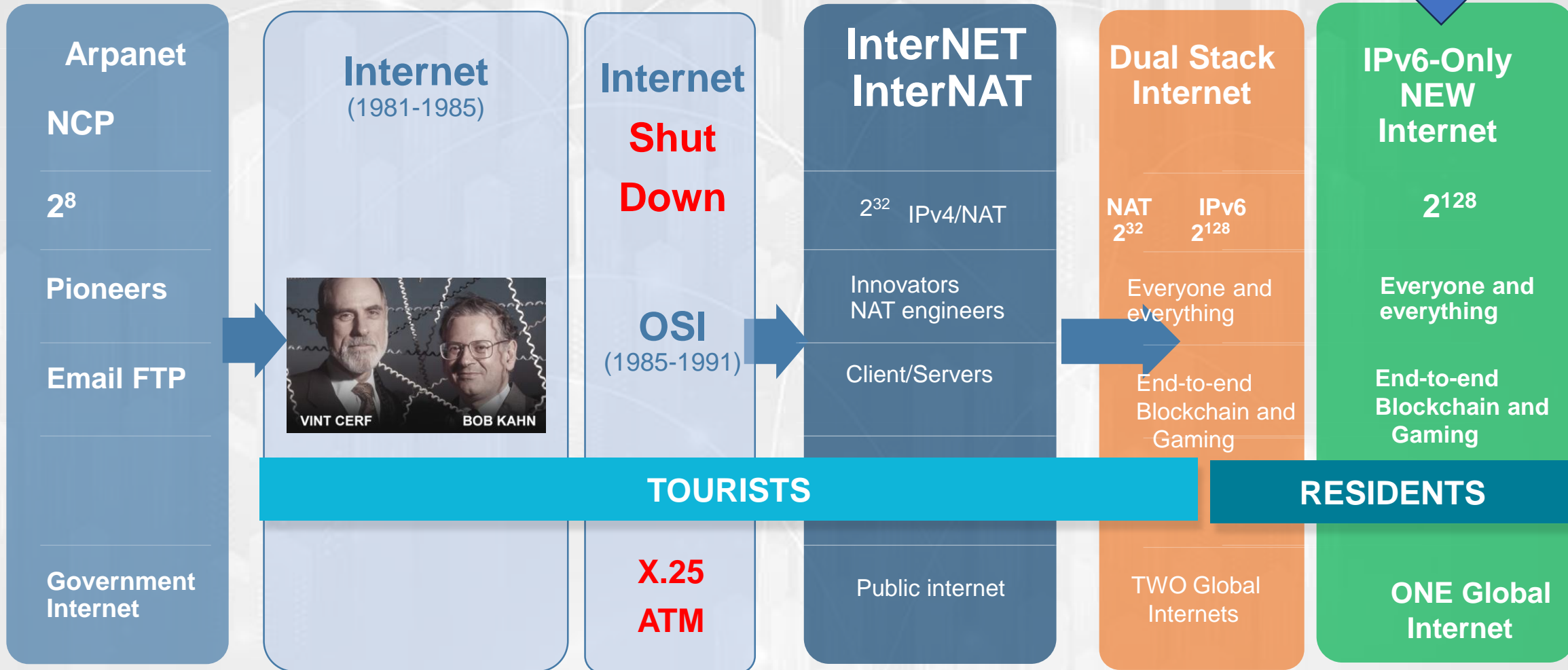
THE IPv6
THE NEW INTERNET

ENHANCED

IEEE
COMMUNICATIONS
SOCIETY

INTERNET GENERATIONS

Le Nouvel Internet



The New Internet

The TWO-WAY Internet

End 2 End

Filesharing Ressource Sharin



Instant
Communication

Interactive

Collaborative
Computing

Wide Open Again for INNOVATION

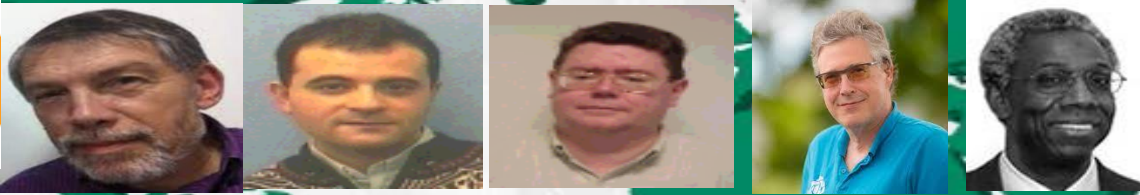
Political Goodwill



Patrick Cocquet
President
French IPv6 Task Force
2003-2009



Internet Society
France Chapter



Claudie Haigneré
Minister for Research
and new technologies
(Networld+Interop Paris 2003)



THE IPv6 FORUM
THE NEW INTERNET



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Political Goodwill

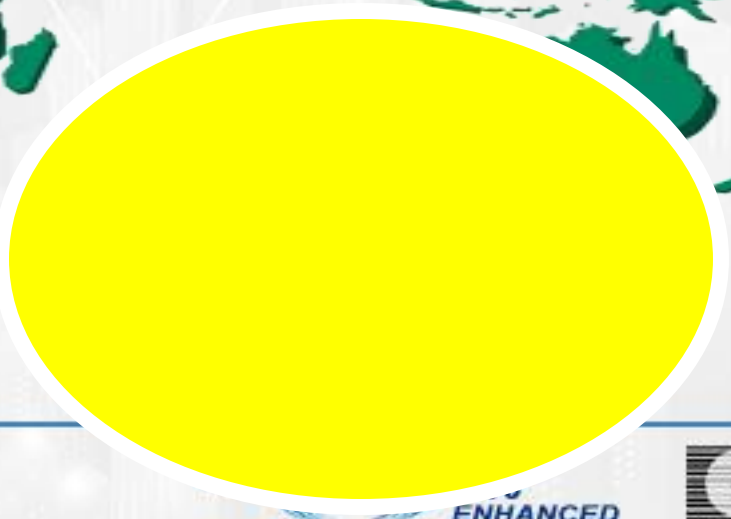


SAVE THE DATE!

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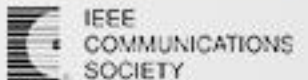
📅 7 DÉCEMBRE 2023 | 14H00-18H00

📍 Dans les locaux de l'Arcep
14 Rue Gerty Archimède, 75012 Paris & 💻 En distanciel



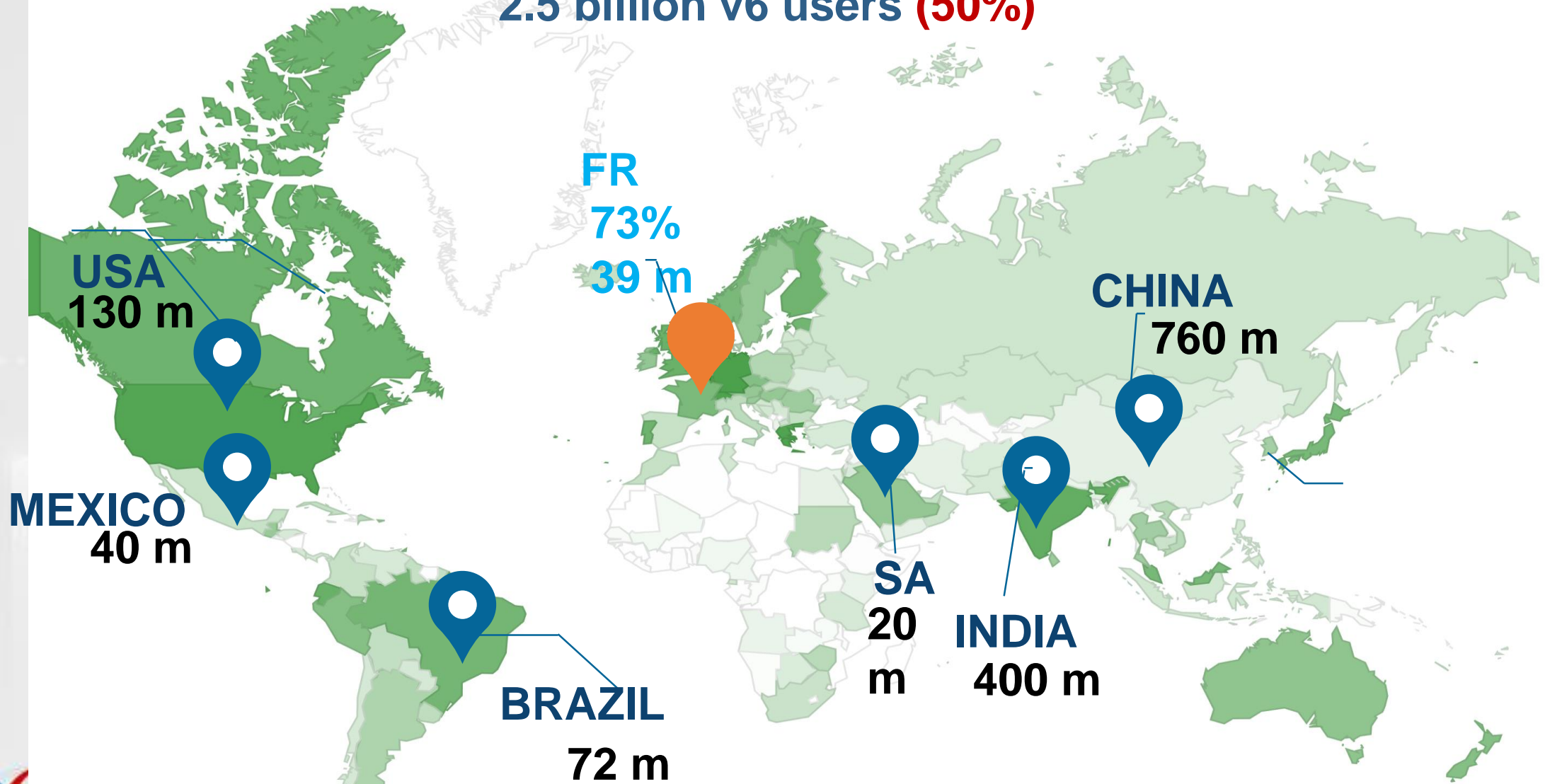
THE IPv6 FORUM
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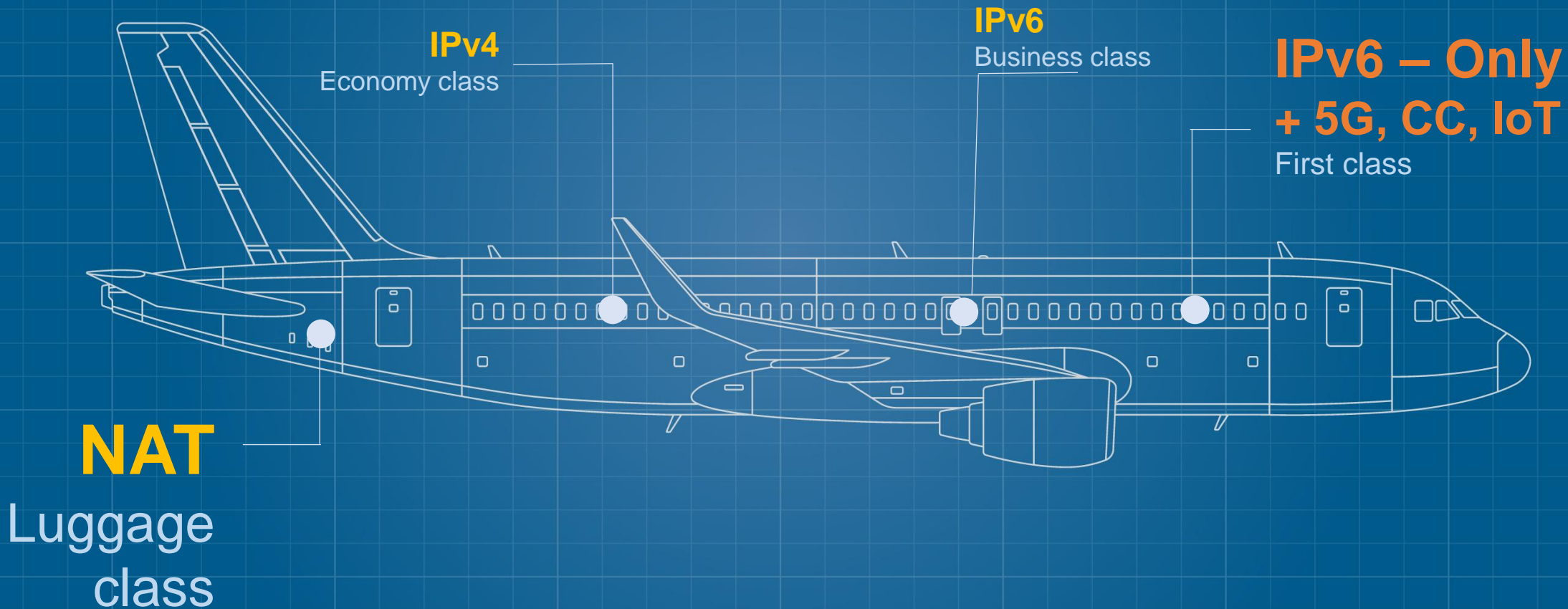


IPv6 DEPLOYMENT WORLDWIDE 2023

2.5 billion v6 users (50%)



IPv6 brings user-experience from the economy class to the business class





**Roland
Berger**

Global IPv6 Development Report 2022

Roland Berger Report: 10 Trillion\$ Value of IPv6 and IPv6 Enhanced innovations

Roland Berger assessed the impact of IPv6 and IPv6 enhanced:

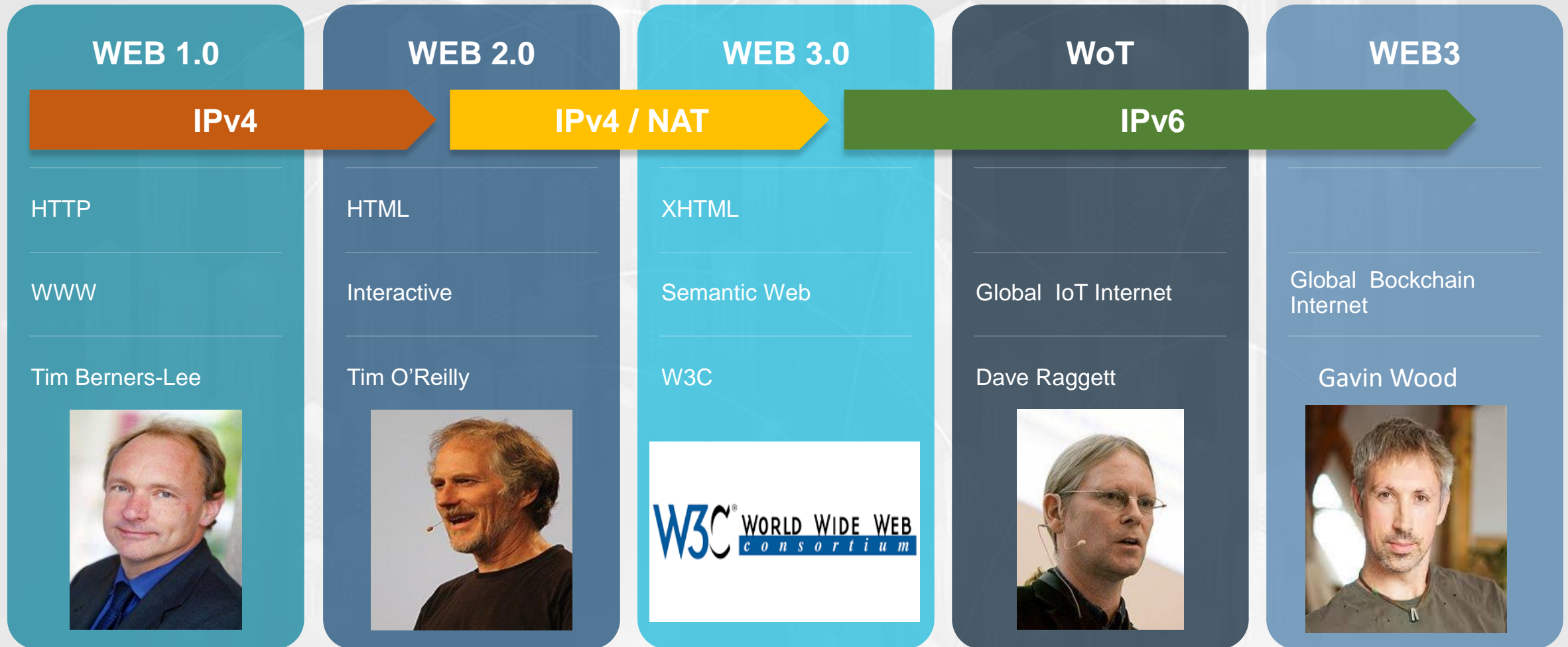
- IPv6 index growth is correlated to GDP growth
- By 2030, it can create a total of \$10 trillion in global economic output

769	4408	1223	1160	535	309
Communication	Manufacturing	Finance	Government	Transportation	Entertainment
479	300	177	708	180	636
Healthcare	Education	energy	Retail	Agriculture	real estate

Unit / billion USD

* <https://www.rolandberger.com/en/Insights/Publications/Global-IPv6-Development-Report-2022.html>

WEB GENERATIONS



WIRELESS GENERATIONS



vs. WAP

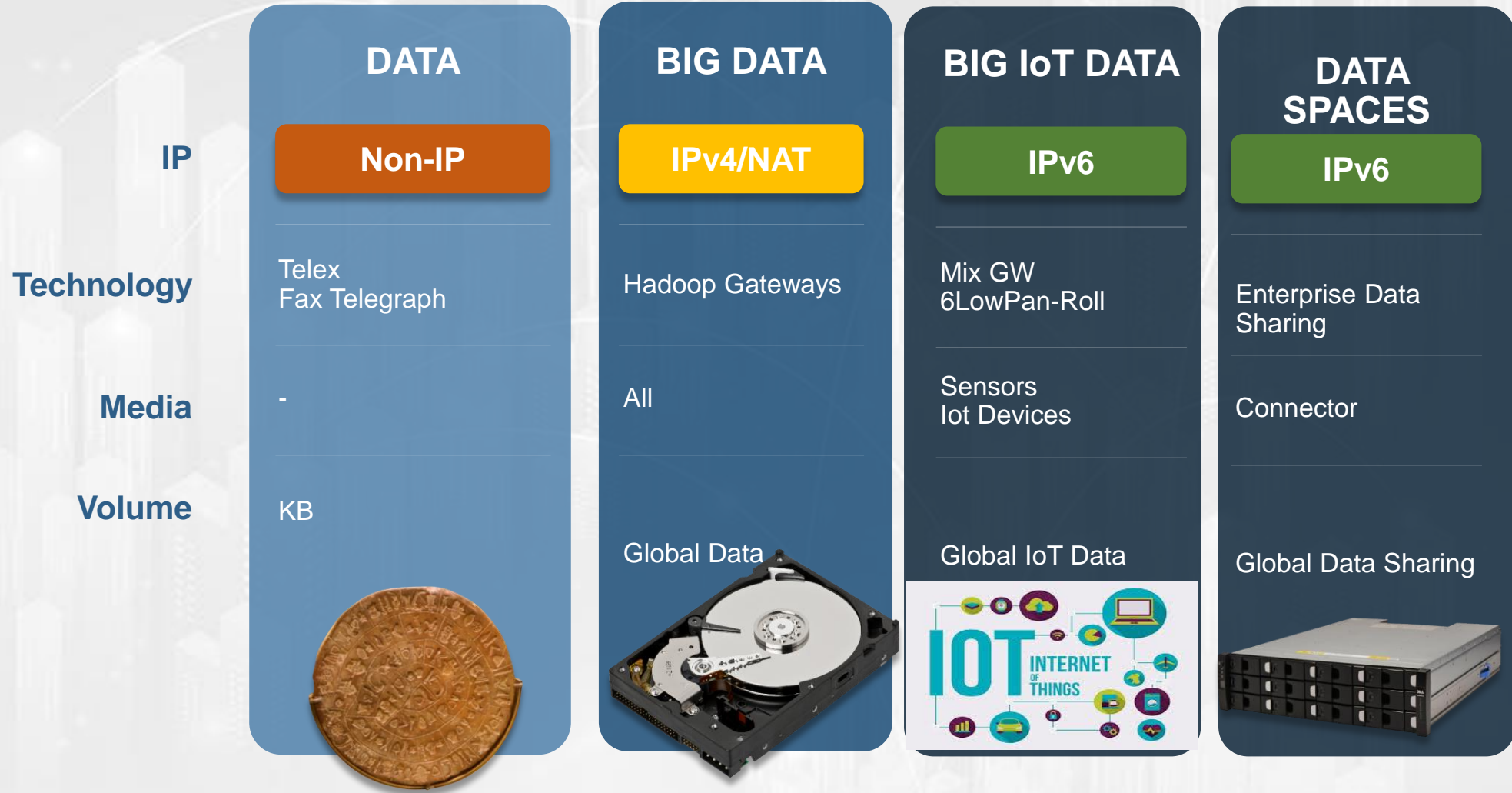
VERY NEXT WIRELESS GENERATIONS



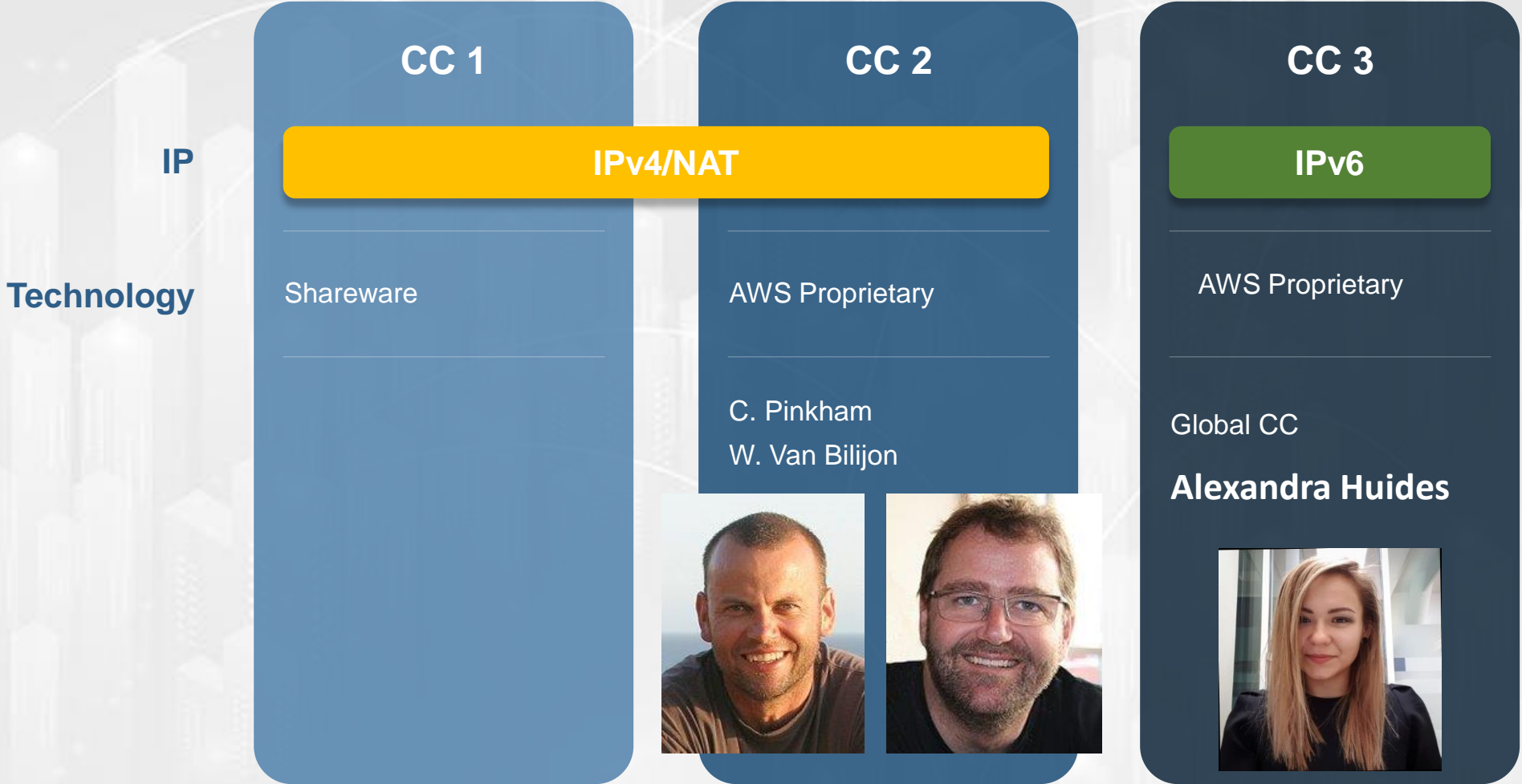
IoT GENERATIONS



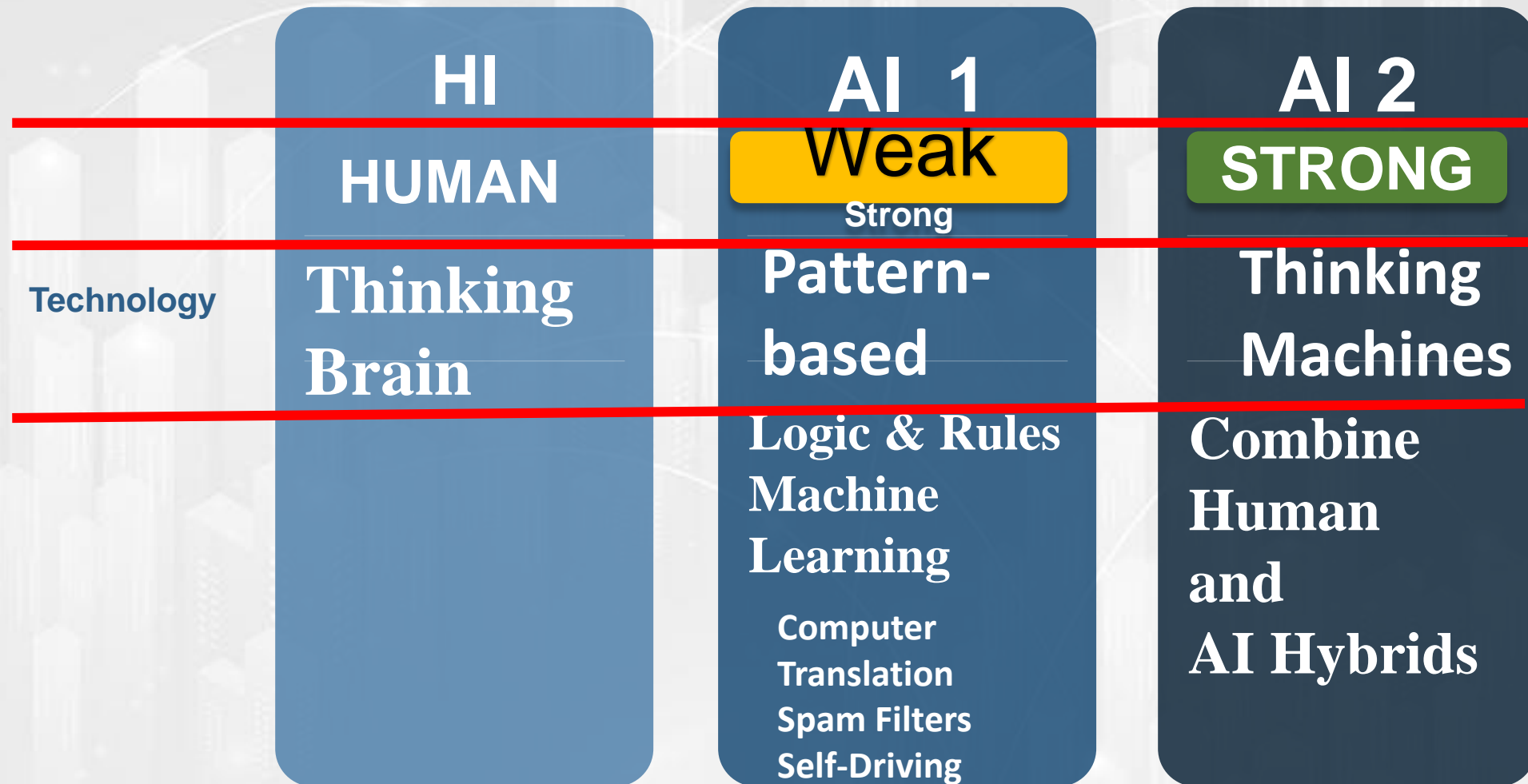
DATA GENERATIONS



CLOUD COMPUTING GENERATIONS



ARTIFICIAL INTELLIGENCE (AI) GENERATIONS



CYBERSECURITY N' GENERATIONS

IP
Technology

ARPANET

PRANKS

FIRST Computer
WORM

Creeper

First Anti-Virus

Reaper

Bob Thomas
Ray Tomlinson



INTERNET

CRIME Espionage

In 1986, Russian
Cyber Power

Markus Hess



Morris Worm

VIRAL ERA

Robert Morris



Disaster

*Ransomware
Malware
Nation States
attacks*

**Hacking is
Big
Business**



BLOCKCHAIN GENERATIONS

Blockchain needs IPv6

Blockchain 1.0

Blockchain 1.0 is the CURRENCY, the deployment of cryptocurrency in apps related to cash, and financial transactions

Blockchain 1.0 is the decentralization of money and payments

X-coin

Blockchain 2.0

Blockchain 2.0 is the CONTRACTS, the deployment of smart properties, digital assets and smart contracts

Blockchain 2.0 is the decentralization of markets

Digital Notary

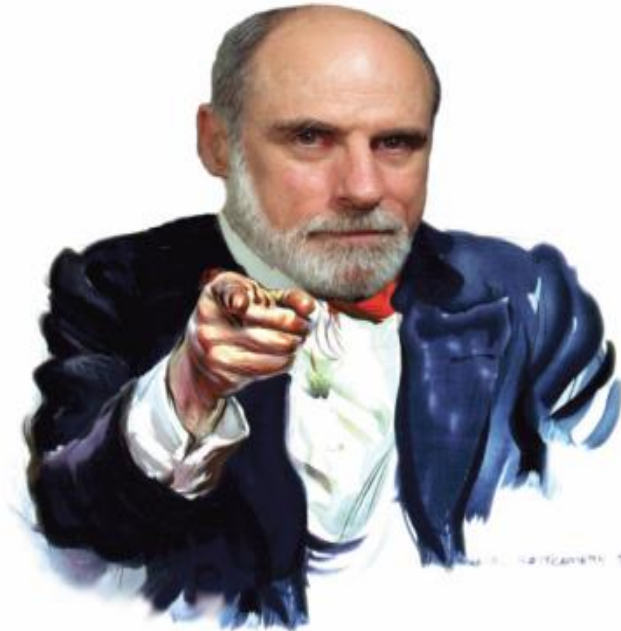
Blockchain 3.0

Blockchain 3.0 is new areas of smart cities, IoT, M2M, government, health, science, and art

Typical application is SOLIDIFY

Digital Keys

Message From Vint Cerf Honorary Chair IPv6 Forum



**I WANT YOU
TO USE IPv6**

— VINT CERF