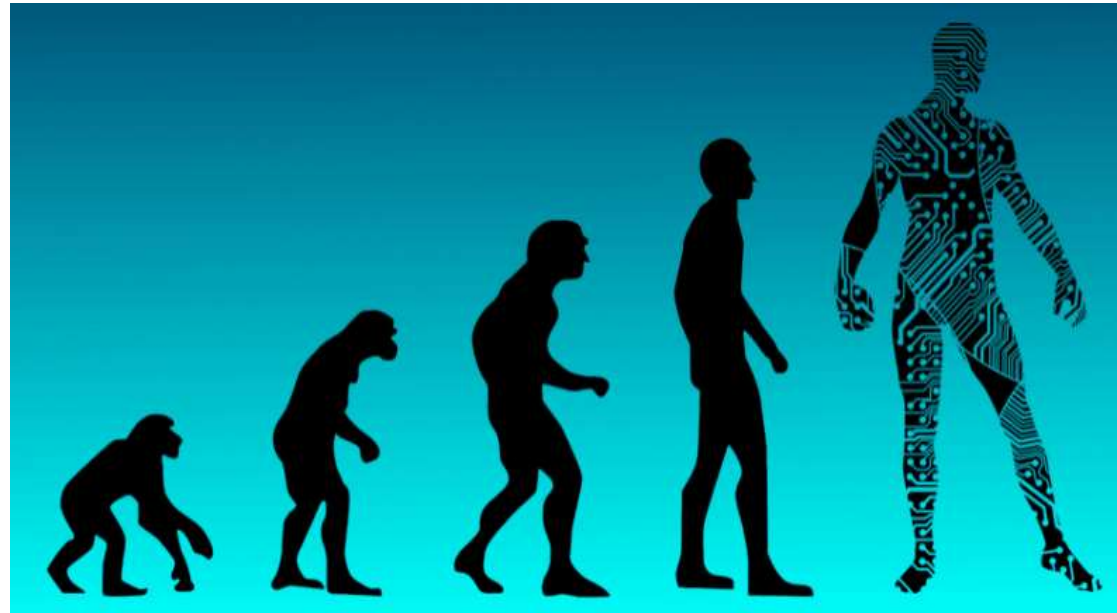


2050: To be human..in a tech dominated world



# 2050

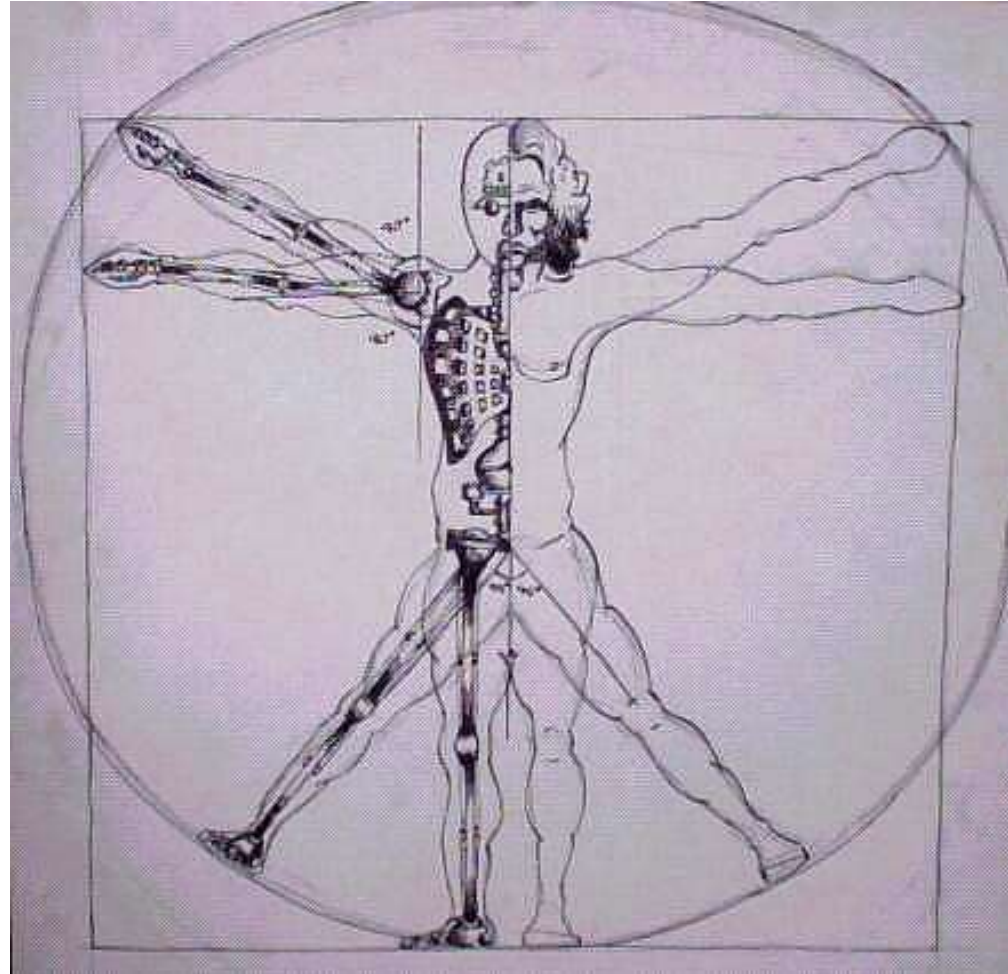
"... a future period during which the pace of technological change will be so rapid, its impact so deep, that human life will be irreversibly transformed.."

- ***Ray Kurzweil***

# I am not a futurist..



# Being human?



# 2050: Day in the life



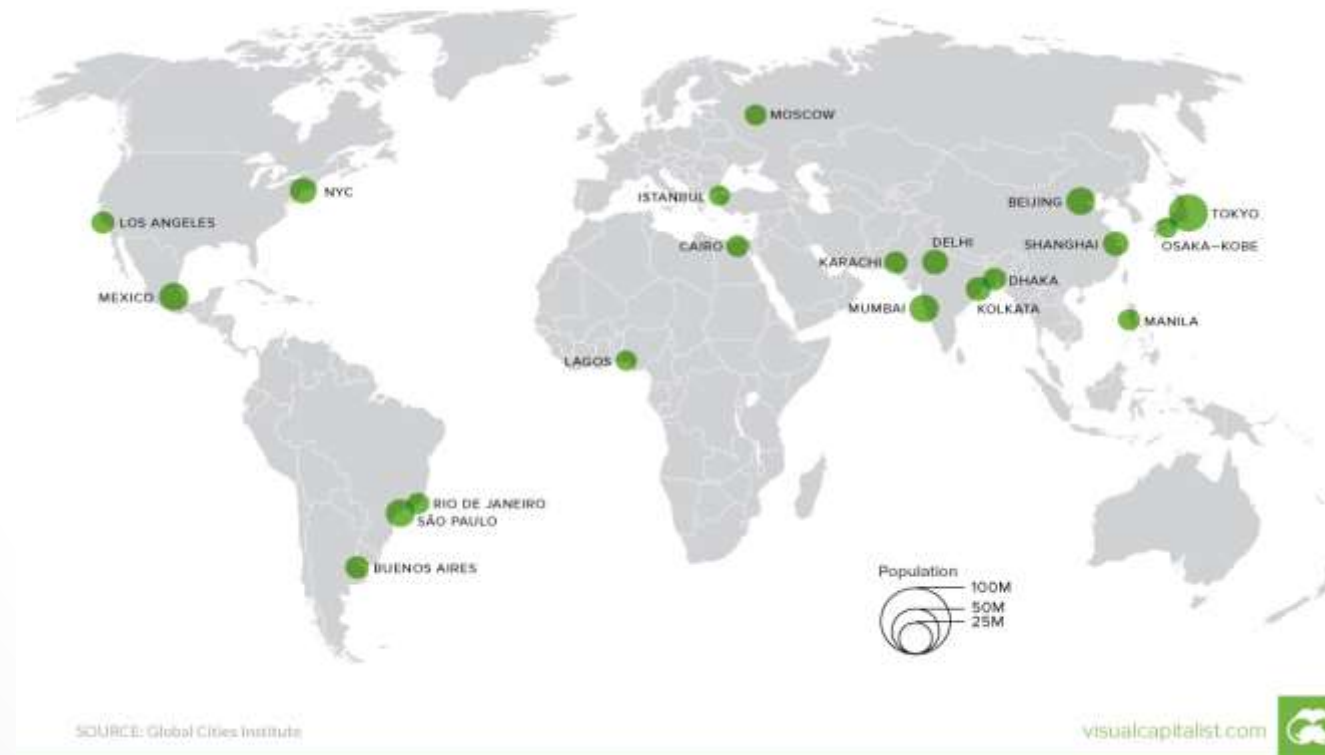
# 2050: World is going to get smaller

Chart of the Week

## THE WORLD'S 20 MOST POPULOUS MEGACITIES (2010 - 2100)

A total of 13 African cities will surpass New York in size over the next 80 years

### 2010 TOP 20 CITIES BY POPULATION



# 2050: World is going to get smaller

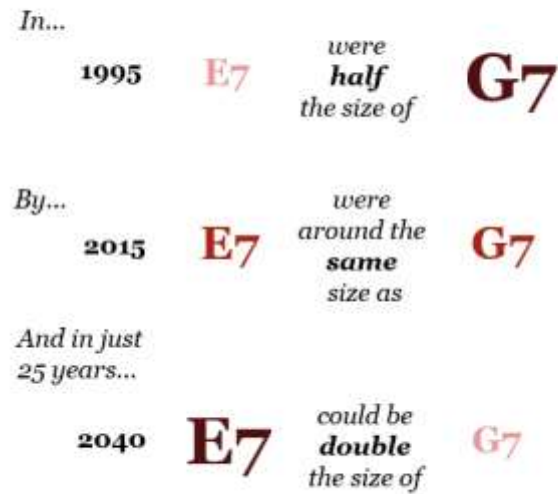
	2010		2025		2050		2075		2100	
	City	Population (millions)	City	Population (millions)	City	Population (millions)	City	Population (millions)	City	Population (millions)
1	Tokyo	36.094	Tokyo	39.880	Mumbai	54.297	Mumbai	57.135	Lagos	61.032
2	Mexico	20.117	Mumbai	33.26	Delhi	46.027	Lagos	51.622	Mumbai	52.277
3	Mumbai	20.072	Delhi	28.202	Dhaka	43.945	Delhi	48.434	Kinshasa	48.832
4	Beijing	19.610	Beijing	26.380	Kolkata	42.137	Kinshasa	46.107	Karachi	44.434
5	Sao Paulo	19.582	Dhaka	25.553	Karachi	39.328	Dhaka	45.498	Delhi	44.315
6	New York	19.441	Kolkata	25.809	Tokyo	39.195	Karachi	45.252	Dar es Salaam	43.163
7	Delhi	17.015	Mexico	24.49	Kinshasa	34.414	Kolkata	44.340	Dhaka	40.719
8	Shanghai	15.789	New York	22.201	Lagos	34.299	Dar es Salaam	33.493	Kolkata	40.570
9	Kolkata	15.577	Karachi	22.196	Beijing	29.903	Tokyo	32.393	Nairobi	33.921
10	Dhaka	14.796	Sao Paulo	21.700	Mexico	29.052	New York	31.549	Kampala	33.051

Sydney – 4.5M (2010), 5.3M (2025), 6.6M (2050)

Melbourne – 4.1M (2010), 4.8M (2025), 5.6M (2050)

# 2050: New world order

Global economic power will shift to the E7 economies



G7: US, UK, France, Germany, Japan, Canada and Italy  
 E7: China, India, Indonesia, Brazil, Russia, Mexico and Turkey

Emerging markets will dominate the world's top 10 economies in 2050 (GDP at PPPs)

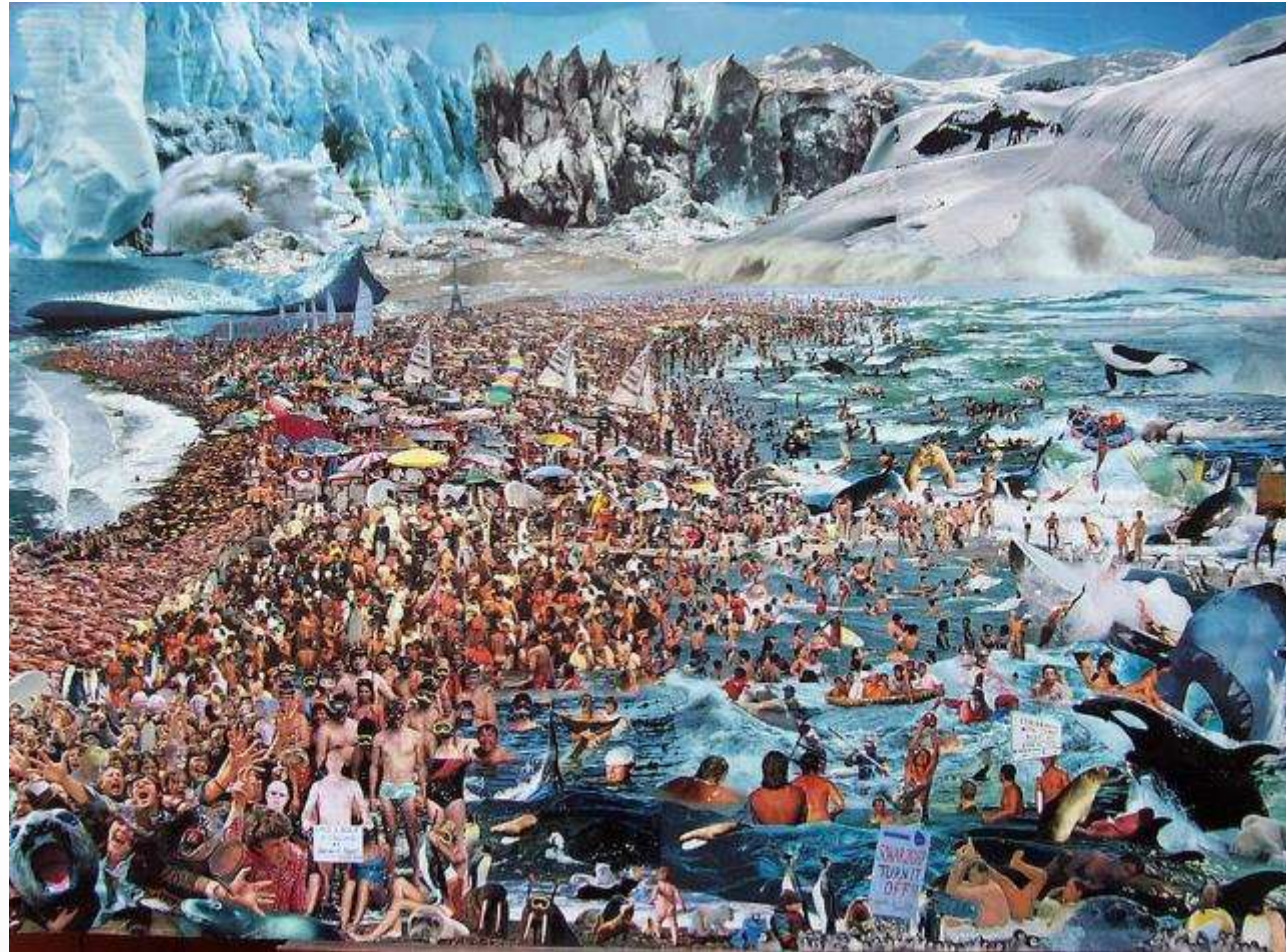
	2016	2050	
China	1	1	China
US	2	2	India
India	3	3	US
Japan	4	4	Indonesia
Germany	5	5	Brazil
Russia	6	6	Russia
Brazil	7	7	Mexico
Indonesia	8	8	Japan
UK	9	9	Germany
France	10	10	UK

■ E7 economies ■ G7 economies

Sources: IMF for 2016 estimates, PwC analysis for projections to 2050



# 2050: Our environment



# 2050: A tech dominated world



# 2050: Cities/Regions



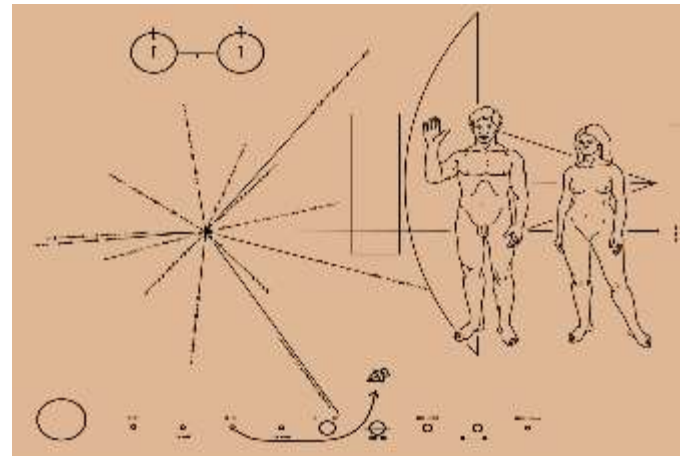
# 2050: Cybernetic augmentation



# 2050: Age of AI



# The story of humanity



## 2018: Our needs as humans



## 2050: Connection, contact, engagement

Before the next century is over, the Earth's technology-creating species will merge with its computational technology. There will not be a clear distinction between human and machine. – **Ray Kurzweil**



# 2050: Where are we going to be?



[lan@iotsec.net.au](mailto:lan@iotsec.net.au)  
[www.iotsec.net.au](http://www.iotsec.net.au)