#### Prof. David Passig Bio-sketch

1995...2000...2005...2015...2020...2025...2035...2045...2050..2055..2060...2065

Prof. David Passig is a futurist, lecturer, consultant and best-selling author who specializes in technological, social and educational futures.

Prof. Passig is a **Professor** at Bar-Ilan University (BIU), Ramat-Gan, Israel, where he teaches at the Graduate Faculty of Education. His courses include: Systems Theories, Future Methodologies, and Technological, Social and Educational Futures. He heads BIU's Virtual Reality Laboratory.

Prof. Passig has consulted for many corporations as well as public and private sector institutes. He is the chair in one of his own FutureCode Ltd., which develops and employs tool kits of computerized Futures methods in decision making processes. He has consulted in Israel, Asia, Europe and North America. He has served as the chief advisor to the Commissioner for Future Generations in the Israeli Knesset. Among his many activities, he is a member of the Israeli National Council for R&D.

A co-Founder of Thinkz. Ltd that develops platforms for autonomous devices.

Prof. Passig's bestseller books are "The Future Code", "2048", "Forcognito: The Future Mind" and "The Fifth Fiasco". They received Israel's coveted Gold Book Award.

Prof. Passig holds a Ph.D. degree in Future Studies from the University of Minnesota, Twin Cities.



# **Pandemics and the Future of Humanity**

1995...2000...2005...2015...2020...2025...2035...2045...2050..2055..2060...2065



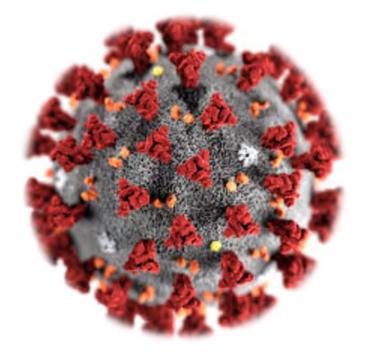
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#### **Prof. David Passig**

Futurist, Head Virtual Reality Lab Bar-Ilan University, Israel www.passig.com







#### **Two questions**

1995...2000...2005...2015...2020...2025...2035...2045...2050..2055..2060...2065



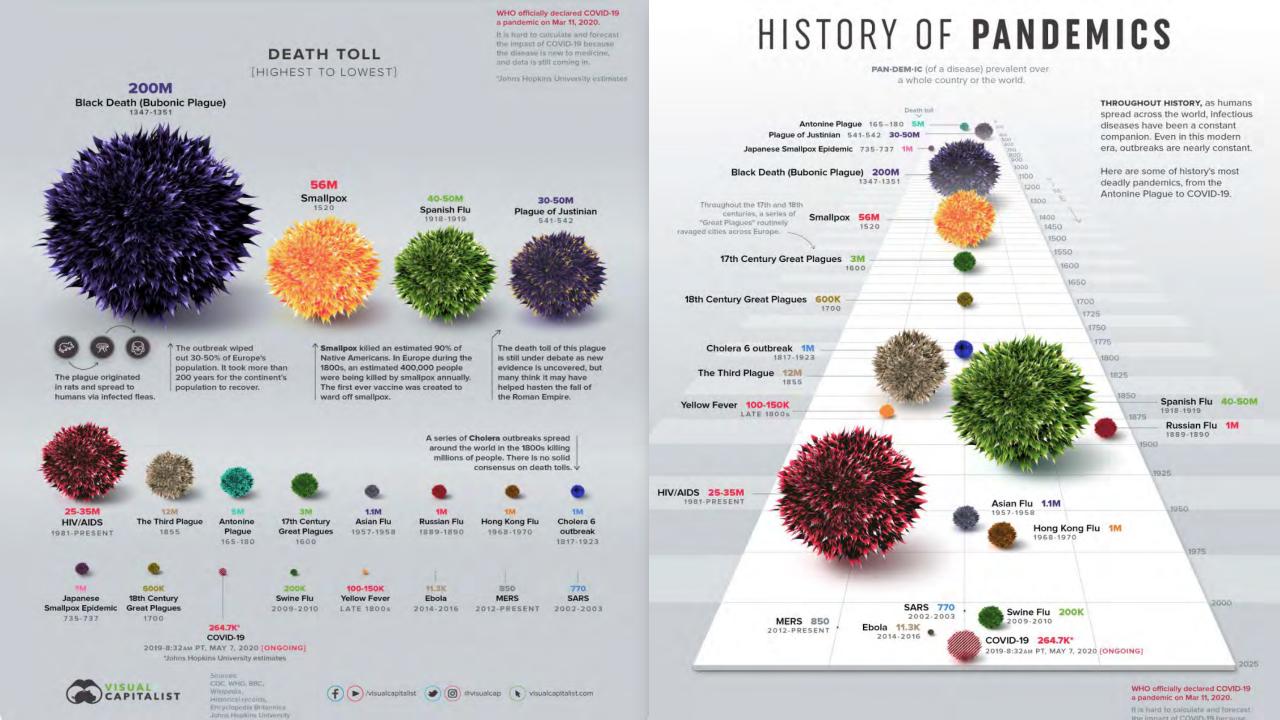
What is the **driving force** (dynamics) behind pandemics?

What are the long-term implications of Covid-19 on human civilization?

# **Past pandemics**

1995...2000...2005...2015...2020...2025...2035...2045...2050..2055..2060...2065





#### **Domestication of animals = transportation = currencies** = Urbanization + Industrialization + Globalization = Mega cities

1995...2000...2005...2015...2020...2025...2035...2045...2050..2055..2060...2065



#### From skins' shelters to high-rise overloaded buildings





#### The more people gathered the more viruses spread

1995...2000...2005...2015...2020...2025...2035...2045...2050..2055..2060...2065

Pandemic	Years	Death % of infected	Death toll
<b>Bubonic Plague</b> (Pneumonic, Septicaemic)	541-2 (CE)	95%	<b>25-50</b> millions + $\frac{1}{4}$ of world population
Black Plague	1347-1351	30%	50-100 m in Europe + half the population 100-200 m worldwide = 1/3 of w/p
Ebola	1976	50%	12,000 in Africa
SARS	2002-4	15%	800 in Asia
Spanish Flu	1816-1920	0.5-1%	<b>50-100 m = 1/3</b> of Europe = <b>4%</b> w/p Infected: 20-40 years old = <b>10% w/cohort</b>
Covid-19	2020-?	0.6-1%	2.5 m total in 2020 5.2 m total in 2021 6.1 m as of March 24, 2022 = estimate +4m

### Current phase of mega-urban civilization started in 1666





• When we suffer from colossal disasters, we think about new tools with greater potential to overcome the hurdles and take our civilization to new levels

## Short list of driving forces behind urban civilization

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1995...2000...2005...2015...2020...2025...2035...2045...2050..2055..2060...2065

# First invention: glass – 70 AC



5...2045...2050..2055..2060...2065



- The Romans of Pompei invented sheets of glass to put on openings
- The glass sheets illuminated and protected living spaces from wind and rain
- Starting 19<sup>th</sup> century Electrical light provided artificial illumination after dark
- Cement and iron strengthened buildings that continued to rise

# Second invention: chimney – 1300 AC



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- The chimney provided ventilation to smoke for living-rooms
- Previously, no privacy could have been since everybody was around a bonfire that provided all needs

### Chimneys pushed the heights of buildings to 6-7 floors

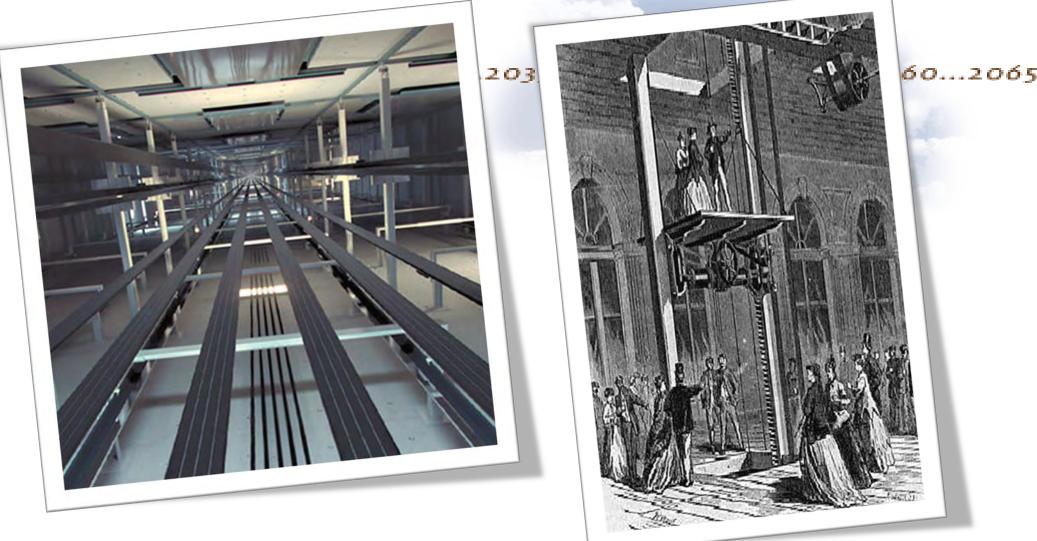


- It has made possible PRIVACY to many
- People could start retreating to different rooms and speak about things they didn't want others to listen to

## Third invention: elevator's safety break – 1853

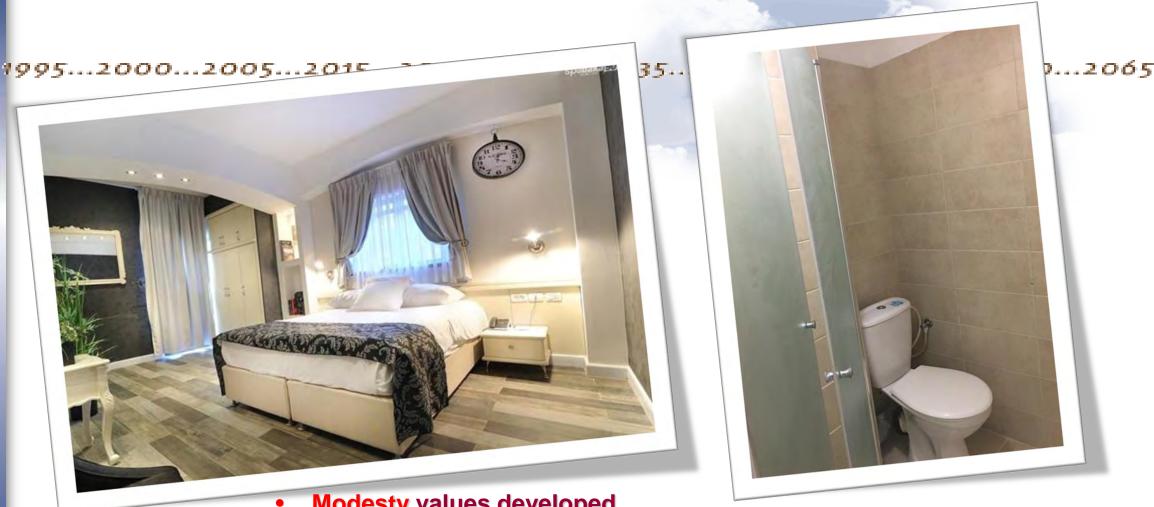
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The safety break convinced people to live in high-rise buildings

## **Relationships and values transformed**

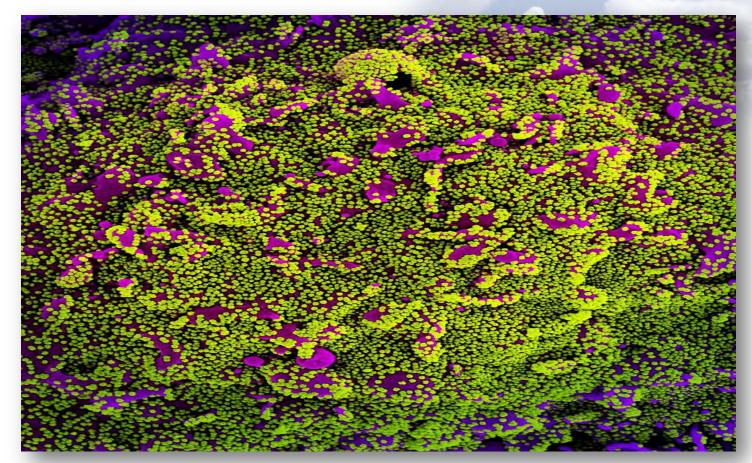


- Modesty values developed
- New social classes emerged
- **Differentiation in life styles bloomed**
- Thus, people generated different and unique ideas

# And then came Covid-19: a new mega fire

#### "An outbreak anywhere is an outbreak everywhere"

1995...2000...2005...2015...2020...2025...2035...2045...2050..2055..2060...2065



Blooms of Covid-19 viruses as seen under the electron microscope

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1995...2000...2005...2015...2020...2025...2035...2045...2050..2055..2060...2065

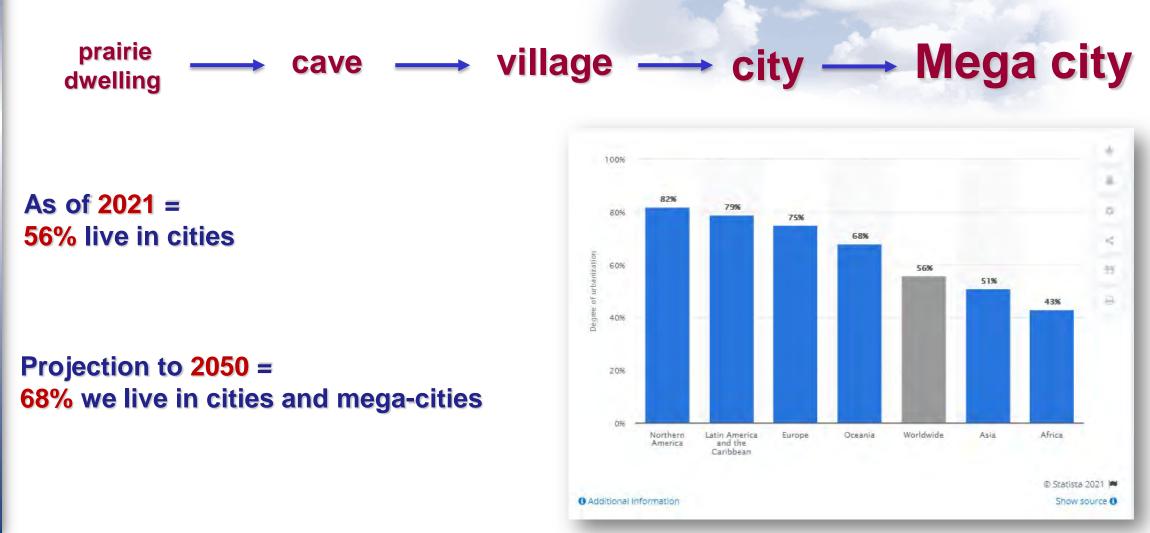
- 2006 UAVs Permitted in US Civilian Airspace for the First Time
- 2013 Major Companies Look to Start Drone Delivery: FedEx, UPS, Amazon, Google, Uber, and countless other delivery companies recognize drone benefits as a delivery platform. Testing of various UAV concepts and work with regulatory agencies around the world begins.
- 2020 Pandemic Alleviation

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# **Fully urbanized civilization**

1995...2000...2005...2015...2020...2025...2035...2045...2050..2055..2060...2065



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### **Present vs Future mega cities**

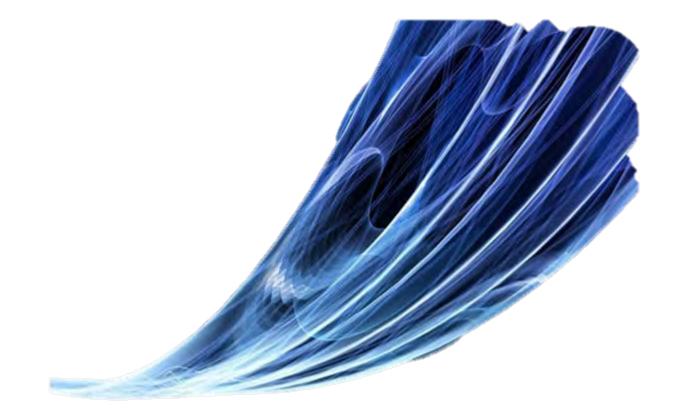
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1995...2000...2005...2015...2020...2025...2035...2045...2050..2055..2060...2065



### **Long-term trends**

1995...2000...2005...2015...2020...2025...2035...2045...2050..2055..2060...2065





995...2000...2005...2015...2020...202

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# The TechCast Project Panel (Delphi)

1995...2000...2005...2015...2020...2025...2035...2045...2050..2055..2060...2065

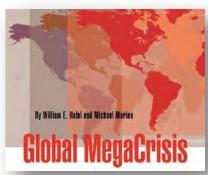
Moderator: Prof. William E. Halal, George Washington U.

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Prof. Dennis Bushnell	Chief Scientist, NASA, Langley	
Prof. Jim Dator	Head, Futures Study Dept., U. of Hawaii	4
Prof. Amy Fletcher	Political Science, U. of Canterbury, Christchurch New Zealand	
Prof. Sohail Inayatullah	UNESCO Chair in Futures Studies, USIM, Malaysia. Tamkang U.	Wi
Prof. Peter King	Environmental Consultant	
Prof. Ruben Nelson	Executive Director, Foresight Canada	
Prof. David Passig	Futurist, Head VR Lab., Bar-Ilan U.	By William



William Halal



## Towards a new global consciousness

1995...2000...2005...2015...2020...2025...2035...2045...2050..2055..2060...2065







The consavirus is a stars reminder of the devastating damage that could be inflicted by orberatacks, superbags, freak weather and a variety of other threats. These wild cards are in addition to the existential challenge posed by climate change, gross inequality, financial meltdowns, autocratic governments, terrorism and other massive problems collectively called the cliobal MegaZrisis.

I sense the world is so frightened by recent disosters that people are searching for new solutions. They seem ready to break from the past that is no longer working. Climate change is starting to bite, for instance, and there is a growing consensus that the status quo is no longer sustainable.

I have studied this dilemma for decades, and I think it can be best understood as a transition to the next stage of social evolution. The Knowledge Age that dominated the last two decades is fading into the past as AI automates knowledge, forcing us to move beyond knowledge and develop a elobal consciousness able to resolve the MeagCrisis.

Yes, I know this is a bold claim, but that is how the shift to a world of knowledge looked 40 years ago. When computers filled rooms, I recall telling people that we were entering a world of personal computers. The typical response was "Why would anyone want a personal computer?"

Just so, today's post-factual era illustrates how the smart phone, social media, and autocrats like Trump have moved public attention *beyond knowledge* and into a world of values, emotions and beliefs. Now the challenge is to use these new powers of social media to shape a global consciousness, or face disaster.

While this may seem impossible, that is always the case before major upheavals. Nobody thought the USSR would collapse up until its very end.

In fact, the Business Roundtable's recent announcement that business should move beyond the bottom line to include the interests of all stakeholders is revolutionary. It has now been promulgated by the World Economic Forum and other influential bodies.

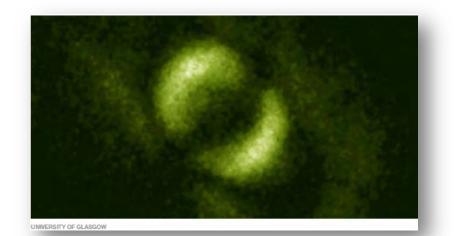


# **Quantum global entangled consciousness**

1995...2000...2005...2015...2020...2025...2035...2045...2050..2055..2060...2065

#### **Principles**

- Sanctifying all living forms on earth
- Governing as an entangled organism
- Diversifying in an entangled pattern
- Business and services
   entangled with customers





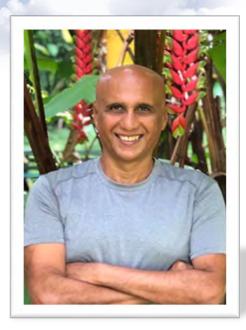
# **Collapse of global capitalism**

1995...2000...2005...2015...2020...2025...2035...2045...2050..2055..2060...2065

As with the collapse of communism in the 90s, we are at the beginning of the collapse of capitalism as we know it.

Communism didn't know how to adjust to a transforming society based on free flow of information and knowledge.

Capitalism too has its flaws. It doesn't know how to address pandemics, automated knowledge, reality check, etc.



Prof. Sohail Inayatullah UNESCO Chair in Futures Studies

# Taking note to unusual creative ideas

1995...2000...2005...2015...2020...2025...2035...2045...2050..2055..2060...2065

During most of the past challenging epochs, the issues that caused turmoil were due to concentrated political and economical power in the hands of "acknowledged" and "movers".

After a crisis period, leaders start listening to new and creative ideas that are circulating in the fringe of the mainstream paradigms, which many times turn to be springboards to new levels of social order.



Prof. Amy Fletcher Political Science, U. of Canterbury, Christchurch New Zealand

#### Awareness to quantum entangled global networks

#### 1995...2000...2005...2015...2020...2025...2035...2045...2050..2055..2060...2065

A new global entangled consciousness is emerging in two stages:

#### First stage:

The current globalization's paradigm will collapse, since its tenet of mutual cooperation that is based on common interests is voluntary driven. It will fade away as it is already happening.

#### Second stage:

A new paradigm of cooperation will emerge. The idea of "entanglement" will become dominant in economic, political, geo-political, and social relations.
No more cooperation based on interests, but cooperation based on an understanding of symbiosis and inextricable ties.
Local and International mechanisms will be established to enforce the interdependency.

> Prof. David Passig Futurist, Bar Ilan University, Israel

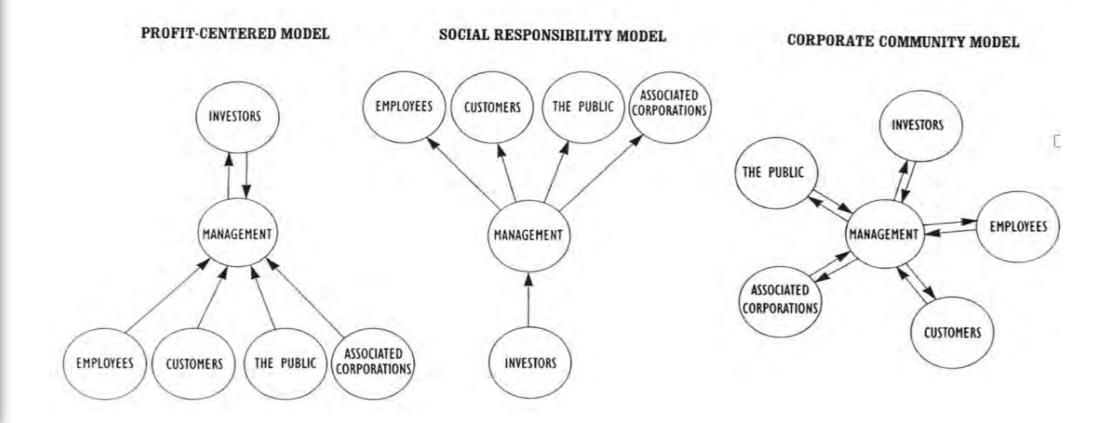




15 trillion atoms entanglement

## **Entangled corporate governance**

1995...2000...2005...2015...2020...2025...2035...2045...2050..2055..2060...2065



#### Contact

1995...2000...2005...2015...2020...2025...2035...2045...2050..2055..2060...2065

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