



A FRAMEWORK FOR CREATING THE FUTURE



P OPULACE

human augmentation, the future of people



R ESILIENCY

climate, natural, virtual and built systems



E XCHANGE

new economic models, economic drivers, markets



C ULTURE

identity, perspectives, aspirations, human expression



O /S

technology, science, invention



G OVERNANCE

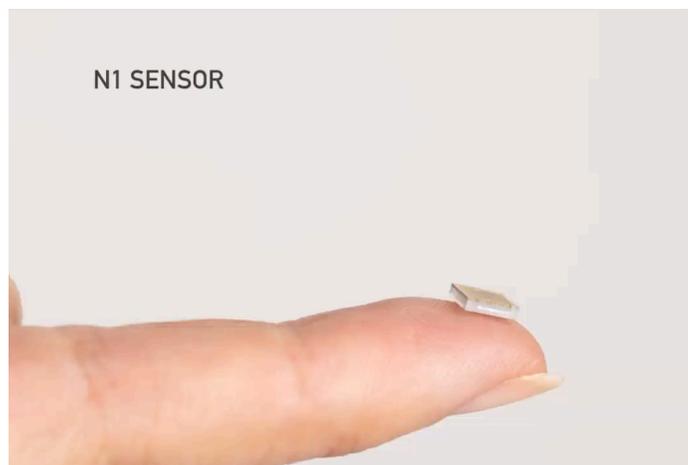
politics, geography, laws and standards, demographics





HARNESSING BRAIN DATA

A true mind-reading device that can decode what you're literally thinking and feeling with non-invasive technology is about 10 to 15 years away. In the meantime, **GLOBAL COMPANIES ARE ALREADY EXPERIMENTING** with the technology.



Elon Musk's Neuralink



China's government-endorsed surveillance projects



Nissan's Brain-to-Vehicle technology



THE FLUID SELF

Approximately 38% of Gen Z consumers say they “strongly agree” that **“GENDER DOESN’T DEFINE A PERSON AS MUCH AS IT USED TO”**.

56% know someone who use gender-neutral pronouns like “they”, “them” or “ze”.

Meet Q The First Genderless Voice



Move
me

153Hz Perceived
Neutral Frequency

genderlessvoice.com



CLIMATE REFUGEES

2030 has been named the crunch time for a 'perfect storm' of resource and climate crises. It is projected that 100 million people will be displaced due to climate change. **THAT'S ONE IN NINE PEOPLE.**

Current vs. future cities
Click on a city and explore its future climate.

CITIES SHOW THAT HUMAN MOBILITY AND CLIMATE ARE SUSTAINABLE DEVELOPMENT ISSUES

Urbanisation is rapidly increasing

Region	2000	2015	2030
Asia	~35%	~45%	~55%
Africa	~30%	~35%	~45%
Latin America and the Caribbean	~65%	~75%	~85%
Europe	~65%	~70%	~75%
North America	~75%	~80%	~85%

Cities are exposed to climate change impacts

- Half of the world's population live in cities**
- 13% of urban populations live less than 10 metres above sea level***

Human mobility and climate directly affect the sustainable development of cities

- Better urban planning is key to reducing climate risks
- Cities must invest in reducing the vulnerability of those who move

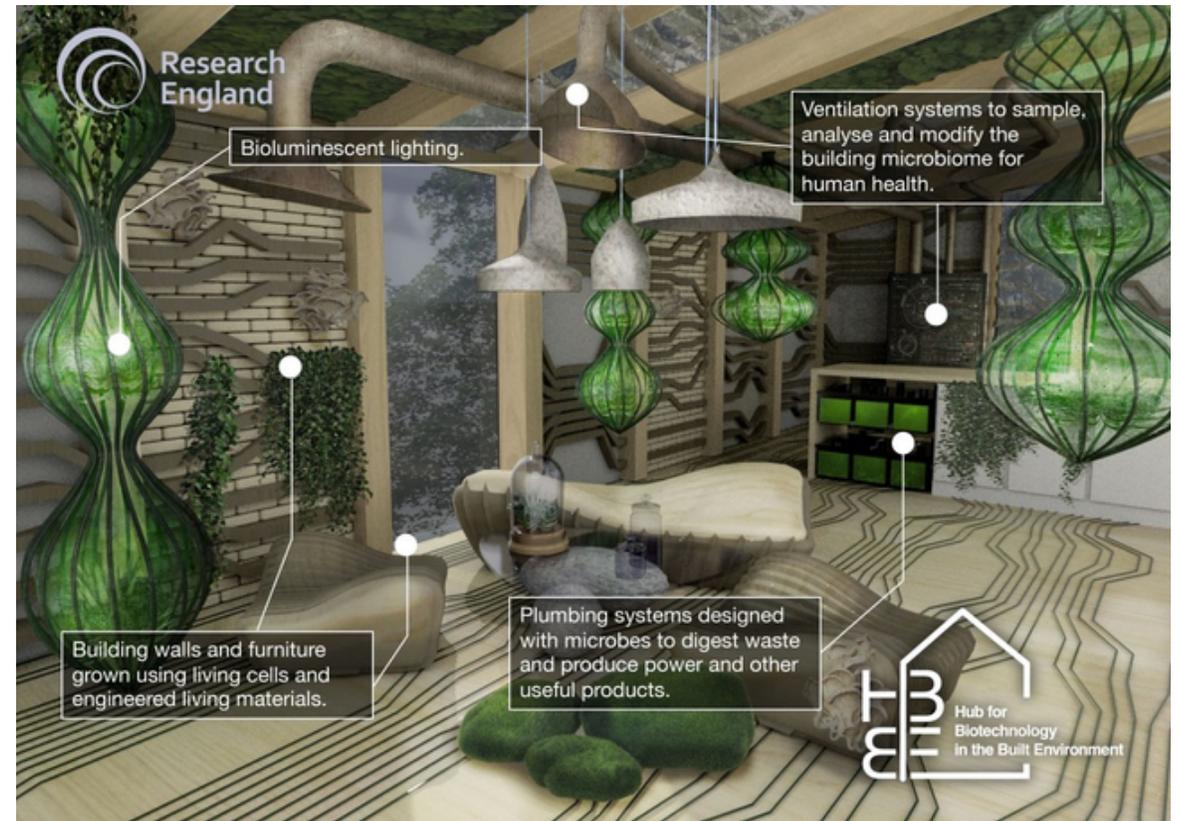
*UNDESA (2014) **UNDESA (2016b) ***McGranahan et al. (2007)



LIVING BUILDINGS

The Hub for Biotechnology in the Built Environment (HBBE) launched in August 2019 and includes 14 industrial partners including IBM, P&G, RIBA and Arup.

HBBE aims to create **LIVING BUILDINGS** that are engineered to “**GENTLY DIE AND RETURN TO THE EARTH**”.





PURPOSEFUL CAPITALISM

Millennials were asked what the primary purpose of business should be. 63% more of them said **“IMPROVING SOCIETY”** OVER **“GENERATING PROFIT”**.



MARKETS

The CEOs of nearly 200 companies just said shareholder value is no longer their main objective

PUBLISHED MON, AUG 19 2019 - 7:38 AM EDT | UPDATED MON, AUG 19 2019 - 2:07 PM EDT



SHARE f t in e ...

KEY POINTS

- The Business Roundtable, a group of chief executive officers of nearly 200 major U.S. corporations, issues a statement with a new definition of the “purpose of a corporation.”
- The reimagined idea of a corporation drops the age-old notion that they function first and foremost to serve their shareholders and maximize profits.
- Investing in employees, delivering value to customers, dealing ethically with suppliers and supporting outside communities are now at the forefront of American business goals.



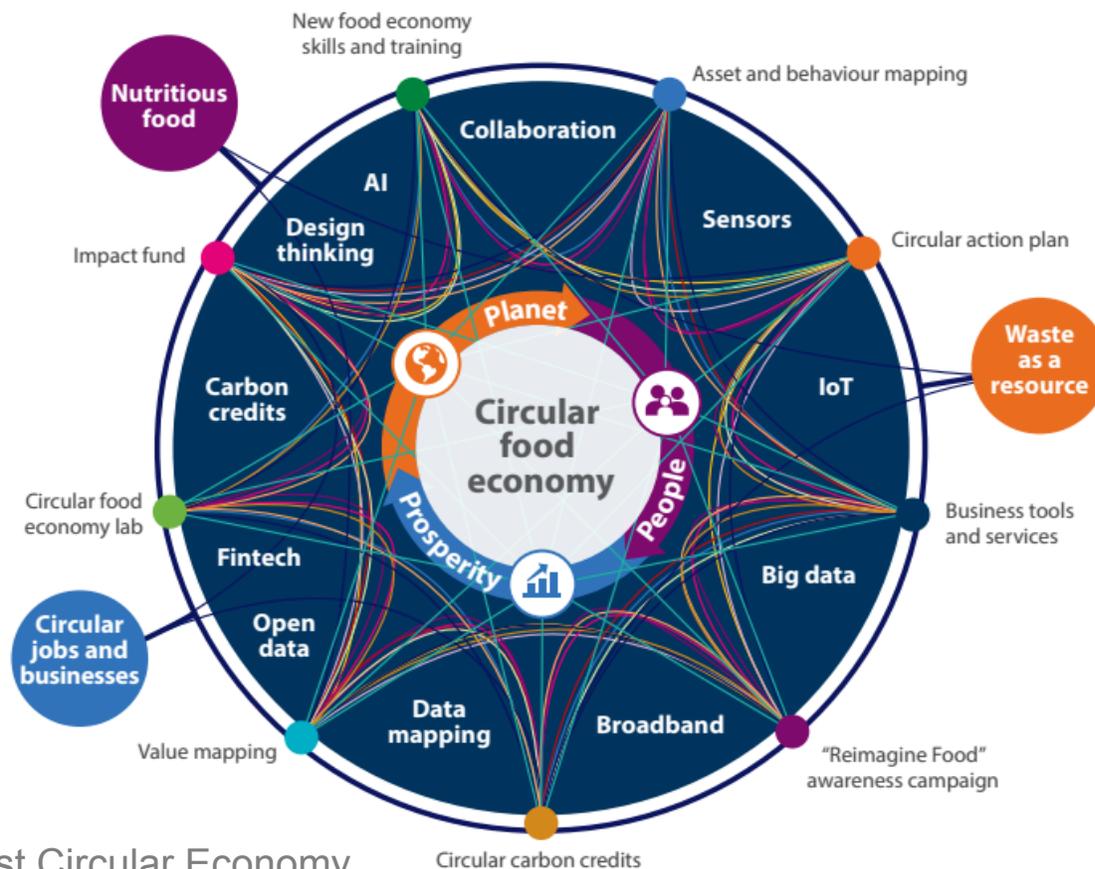
Gross National Happiness (GNH): How Bhutan measures well-being



CIRCULAR ECONOMIES

OUR GLOBAL ECONOMY IS ONLY 9% CIRCULAR and the trend is negative. Housing, nutrition and mobility together represent more than 82% of the total material footprint.

The need that represents the largest resource footprint, with 42.4 billion tonnes, is for the construction and maintenance of houses, offices, roads and other infrastructure, especially in the developing world.



Canada's First Circular Economy
(Guelph, Ontario)



MODERNIZING MENTAL HEALTH



GLOBALLY, 48% OF PEOPLE WITH A SERIOUS MENTAL HEALTH DISORDER DON'T SEEK TREATMENT.

In China, the figure is nearly 90%.

A swamped system and cultural barriers make China the ideal landscape to test VR treatments – in the privacy of patients' own homes via a game-like interface in a region where digital health is booming.



WOKE YOUTH

Wanting to shape a better world and holding adults accountable for their future, our world's youth are finding ways to **EXPRESS THEMSELVES AND CREATE REAL CHANGE.**



Climate Strikes

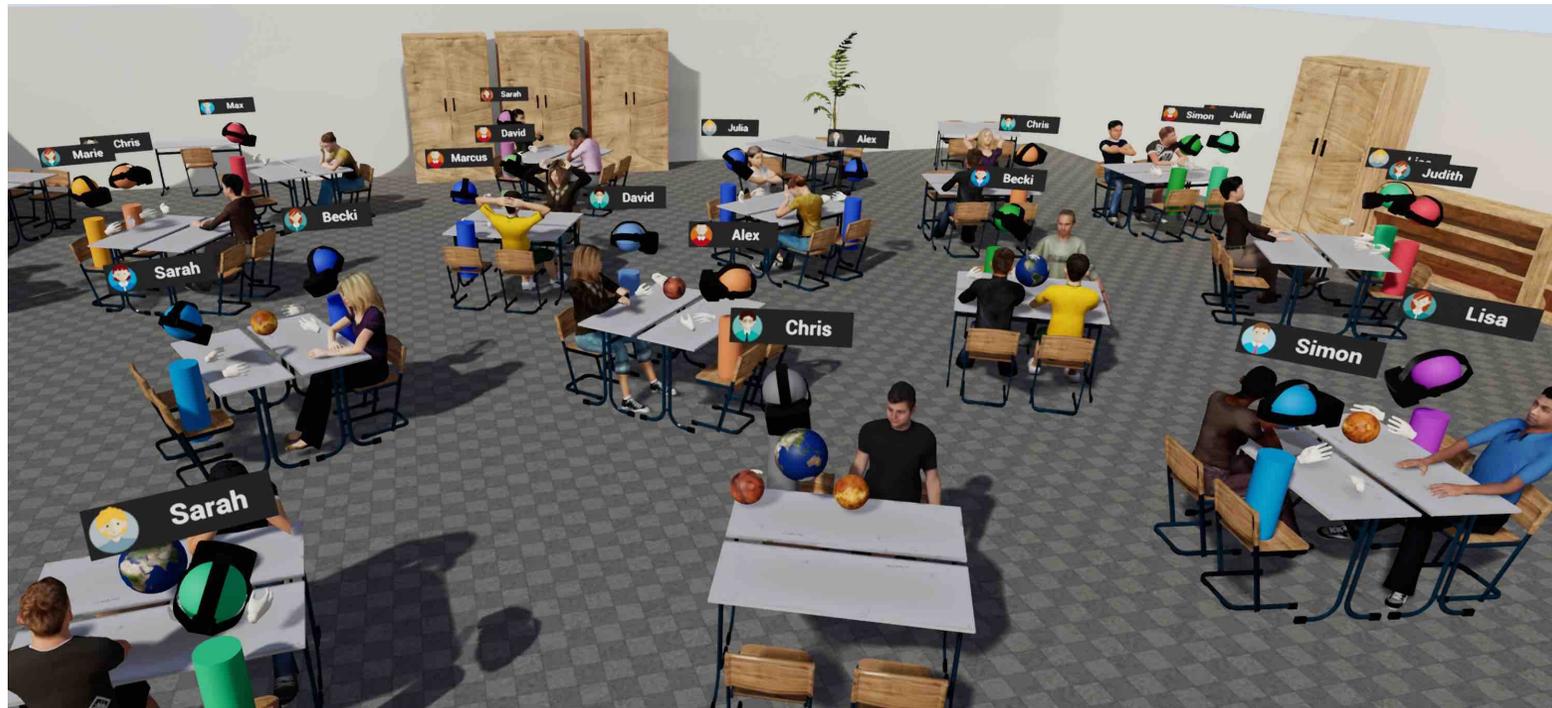


March For Our Lives



REIMAGINING LEARNING

“It is the education and training we provide our youth and workers that will **FUEL THE ENGINES OF FUTURE AI, AND THEREFORE GEOPOLITICAL SUCCESS.**” 7,200 students drop out of high school every day. 50% name boredom as the number one reason.





SKY TAXIS



Expected to look like a combination of a helicopter and drone, autonomous sky taxis could begin **ACTIVE TESTING IN 2020 WITH DEPLOYMENT HAPPENING IN 2023.**

Companies around the world are competing to launch their own versions of the technology, which would offer quick commute times and low fares.



WEAPONIZING AI



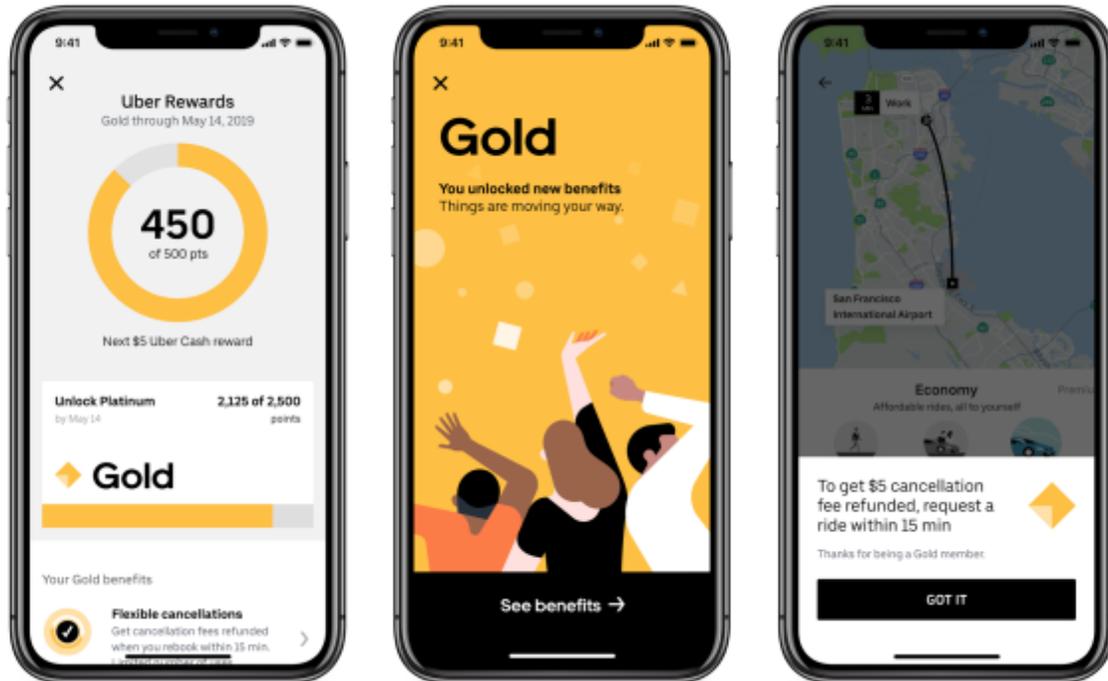
Simple software algorithms can modify our tastes to make us more predictable, edge us towards extremes and erode trust in society.

Cambridge Analytica used a **PSYCHOGRAPHIC TOOL** using data about individuals online to identify undecided voters and target them with specific messages.



SOCIAL CREDIT SYSTEMS

By 2020 in China, assessment of citizens' and businesses' economic and social reputations will be standardized. North American companies are following suit in their own ways.
UBER, AIRBNB, WHATSAPP, PATROSCAN, NYFS + INSURANCE COMPANIES



Steve Randy Waldman
@interfluidity

Authoritarianism, gamified.
[privateinternetaccess.com/blog/2015/10/i... ht @VitalikButerin @FrankPasquale](https://privateinternetaccess.com/blog/2015/10/i...)

芝麻分
698
你的信用优秀, 评估时间: 2014.12.31

In China, Your Credit Score Is Now Affected By Your Political O...
China just introduced a universal credit score, where everybody is measured as a number between 350 and 950. But this credit score privateinternetaccess.com

51 6:44 PM - Oct 4, 2015

60 people are talking about this

FUTURE 1 – THE TRANSFORMATIVE SCENARIO 2035: Abundance For All

Having addressed the climate crisis in time, we live in resilient, tight-knit and stable communities. Just-in-time, smart AI-driven systems anticipate and provide for growth and shelter requirements tailored to the needs and preferences of communities. Living buildings exist as self-sustaining spaces that respond to their natural environment where built spaces no longer become remnant as their needs change, rather, they gently die and return to the earth when no longer required. Individual households produce and store their own energy and contribute to communal grids, the surplus offering an additional source of household income when sold back to the grid. Advances in AI have created an enlightened human race where technology embedded in the human body has created a superhuman populace defined by connection to each other and the environment around us. Cultural diversity is as prized as biodiversity in an inclusive planetary “culture of cultures”.

Continuous learning is a feature of everyone’s day-to-day and is considered a lifelong journey. It is playful, creative, and flexible, where algorithm-driven digital platforms and personal coaching (IRL and VR) are available for everyone. Resources for personal reinvention are available on-demand, providing opportunities to meet emergent opportunities or pursue one’s aspirations. AI & robotics have freed us from menial work. Repetitive, rules-based and routine jobs have disappeared, replaced by jobs that are fulfilling – AI-augmented, meeting emergent needs, creative and purposeful. Global economic models are based on happiness, balanced knowledge and nature. Organizations have adopted circular systems and place value on people and planet over profit.

Healthcare is a suite of holistic individual and social practices for the body, mind and spirit to keep people healthy and happy well into their 100’s. Networked across an array of personal devices and sensors, AI-informed coaches promote & incentivize healthy lifestyle choices. Clinical services and healing practices engage as needed locally and abroad. Wellness, once an industry, is now a way of life, integrated into all aspects and equally for all segments of society. Environments are biophilic. Boundaries between natural and human-built & public and private spaces are blurry. Wellness is a collective endeavor where community connections inspire individual health and happiness. Food, in addition to clean water and air, is abundant in wide variety. Globally, agtech is based on a fusion of current technology and traditional farming principles where AI systems and robotics work with the natural world to create a resilient, sustainable and organically grown system.