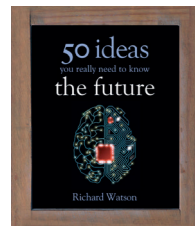


# TABLE OF TRENDS & TECHNOLOGIES FOR THE WORLD IN 2020

## OTHER IDEAS TO WATCH

- Avatar assistants
- Biomimicry
- Clean coal
- Comfort eating
- Contextual deficit
- Diminishing use of email
- Decline of voice communication
- Electrification of transport
- Facial recognition on mobile phones
- Gene hacking
- Holographic telepresence
- Increasing complexity
- Local living
- Mobile money
- Peak water
- Peer-to-peer lending/giving
- Quantum computing
- Reverse migration
- Self-tracking
- Smart infrastructure
- Slow education
- Shift from products to experiences
- Ultra-efficient solar
- Value redefinition
- Voluntary simplicity

## SOURCES & FURTHER READING



**The Future:  
50 Ideas You Really  
Need to Know**  
by Richard Watson

See [www.futuretrendsbook.com](http://www.futuretrendsbook.com)  
and [www.nowandnext.com](http://www.nowandnext.com)

## PRINTING & PRINTED COPIES

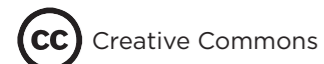
High resolution digital files for this table and  
ready printed copies can be obtained from:  
[richard@nowandnext.com](mailto:richard@nowandnext.com)

## ACKNOWLEDGEMENTS

Thanks to Charlie @ Plum Creative

## COPYRIGHT

This chart is issued under a Creative  
Commons attribution 3.0 unported licence.  
See [creativecommons.org](http://creativecommons.org)



## KEY

<b>S</b> ociety	<b>T</b> echnology	<b>E</b> nergy	<b>E</b> nvironment
<b>E</b> conomy	<b>E</b> mployment	<b>P</b> opulation	<b>P</b> olitics
<b>I</b> dentify	<b>Global risk</b> High probability	<b>Global risk</b> Low probability	Uncategorised

## MEGATRENDS

<b>Gd</b>	<b>Um</b>	<b>Cs</b>	<b>P</b>	<b>Lr</b>
Globalisation & deregulation	Urbanisation & migration	Climate change & sustainability	Population & lifespan growth	Localism & re-regulation

<b>H</b> Hyper connectivity													<b>W</b> Workforce ageing					
<b>Eg</b> E-government	<b>Sr</b> Scarcity of resources											<b>Ex</b> Extreme weather events	<b>Mc</b> Expansion of global middle class	<b>Am</b> Resurgence of US manufacturing	<b>Sv</b> Shared value creation	<b>I</b> Focus on the self	<b>Pm</b> Purpose & meaning	
<b>Ir</b> Ideological resurgence	<b>Pv</b> Price volatility											<b>Po</b> Population growth	<b>B</b> Loss of bio-diversity	<b>A</b> Rise of Africa	<b>Br</b> Shift to the BRICs	<b>Se</b> Sense of entitlement	<b>Pt</b> Mobile & part time working	
<b>Er</b> Erosion of trust	<b>Cf</b> Clean fuels	<b>Na</b> Nano materials	<b>Sb</b> Synthetic biology	<b>Sw</b> Semantic web	<b>Hg</b> Holographics & 3D web	<b>Au</b> Augmented & virtual worlds	<b>Ai</b> Artificially intelligent devices	<b>Uub</b> Ubiquitous sensors & tracking	<b>Db</b> Desert based solar	<b>Tc</b> Technology convergence	<b>Ga</b> Gamification	<b>Fe</b> Fertility decline	<b>Ac</b> Ocean acidification	<b>C</b> Carbon pricing	<b>Sc</b> State capitalism	<b>N</b> Normalisation of obesity	<b>Bh</b> Back homing of outsourcing	
<b>V</b> Volatility	<b>Mg</b> Micro-grids & micro-generation	<b>Rb</b> Robotics & smart objects	<b>Md</b> Personalised medicine	<b>Ca</b> Context aware computing	<b>As</b> Autonomous systems & devices	<b>It</b> Internet of things	<b>At</b> Automation	<b>Nfc</b> Near-field communication	<b>Ha</b> Haptic technology	<b>D3</b> 3D printing	<b>Os</b> Open-source discovery & invention	<b>Li</b> Urban living	<b>F</b> Changing family units	<b>Ar</b> Aquifer reduction	<b>Te</b> Top soil erosion	<b>Ce</b> Cosmetic enhancement	<b>In</b> Intensifying competition	
<b>Xe</b> Xenophobia	<b>Ne</b> Non conventional reserves	<b>No</b> Secularism	<b>Pd</b> Predictive personalisation	<b>Pg</b> Personal genomics	<b>Cd</b> Personal clouds	<b>Ra</b> Real-time data & analytics	<b>Ge</b> Gestural recognition	<b>Bq</b> Battery life and energy storage	<b>Dm</b> Dematerialisation	<b>Wr</b> Wireless re-charging	<b>Sn</b> Social networks	<b>Age</b> Population ageing	<b>Sph</b> Single person households	<b>Es</b> Ethnic shifts	<b>Ag</b> Precision agriculture	<b>Uuh</b> Blurring of real & virtual worlds	<b>Ic</b> Industry consolidation	
<b>Fr</b> Focus on regional & domestic policy	<b>Rn</b> Resource nationalism	<b>Omg</b> Resurgence of religion	<b>He</b> Hedonism	<b>Ci</b> Culture of immediacy	<b>Ti</b> Total information transparency	<b>Mo</b> Mobility & portability	<b>S</b> Sharing	<b>Tm</b> Too much information	<b>Pr</b> Provenance	<b>Lol</b> Search for happiness	<b>U</b> Ubiquitous connectivity			<b>Paw</b> Fragmented attention			<b>Me</b> Individualism	<b>Atm</b> Atomisation

<b>Re</b> Regulatory change	<b>Bt</b> Biological terrorism	<b>Eu</b> European incrementalism	<b>Op</b> Oil price spikes	<b>Np</b> Nationalism & protectionism	<b>Sws</b> Skilled worker shortages	<b>Fp</b> Food price volatility	<b>Fi</b> Fiscal imbalances	<b>Gp</b> Global pandemic	<b>Cw</b> Cyber viruses and data theft	<b>Ua</b> Uneven access to food & water	<b>Si</b> Severe income inequality	<b>Rc</b> Rogue employee	<b>Mq</b> Mega-quake in mega-city
<b>Gg</b> Global governance failure	<b>Nt</b> Nuclear terrorism	<b>Ed</b> European disintegration	<b>Up</b> Unsustainable population growth	<b>Mm</b> Poorly managed migration	<b>Kr</b> Explosion of North Korea	<b>Csf</b> Critical systems failure	<b>Ws</b> Collapse of welfare state	<b>Pk</b> Collapse of Pakistan	<b>Pi</b> Pakistan Vs India war	<b>Cn</b> Collapse of China	<b>Oa</b> Failure to treat obesity epidemic	<b>Cc</b> Failure to adapt to climate change	<b>Vol</b> Sure-volcano eruption

High probability

Low probability