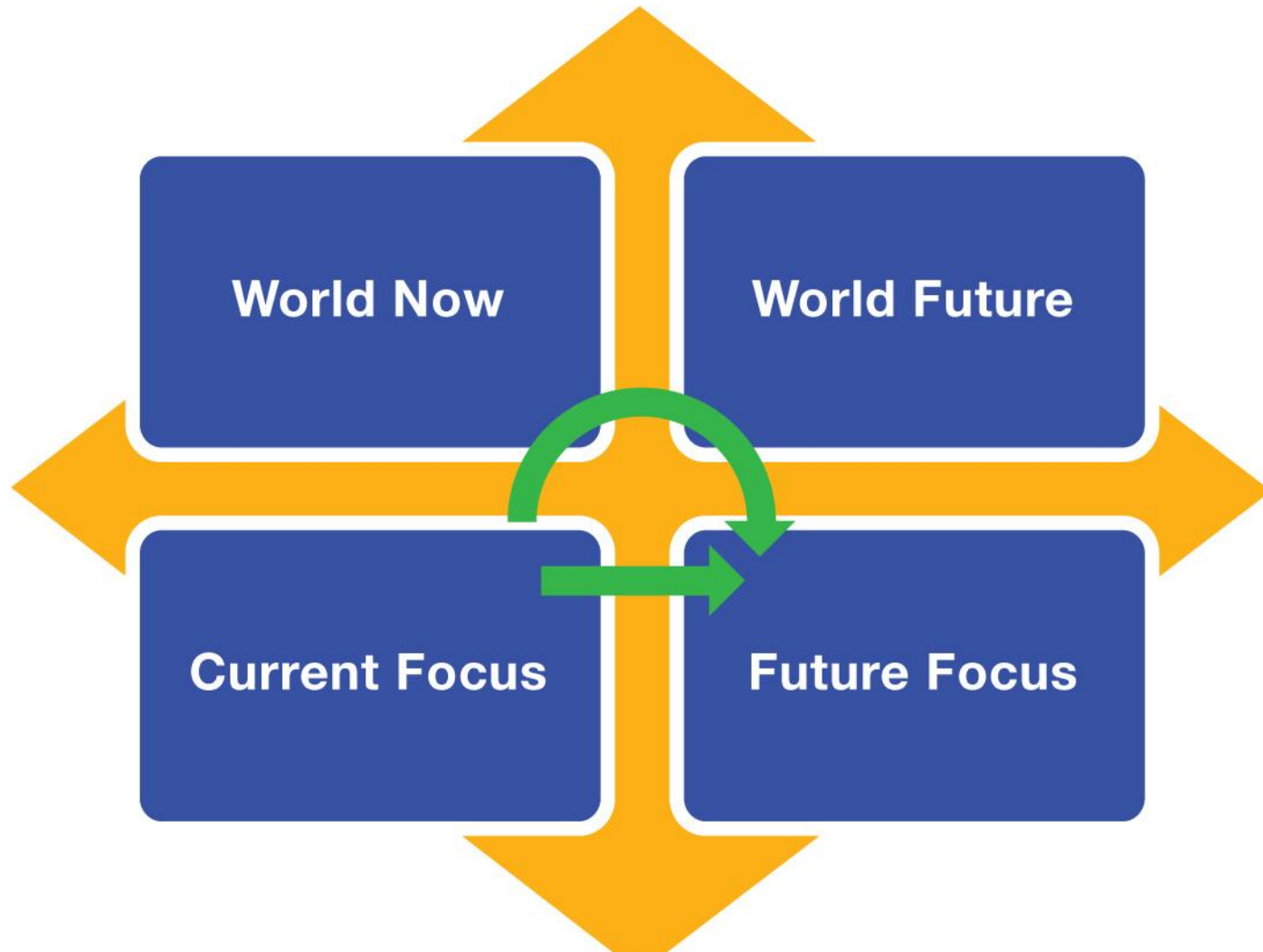


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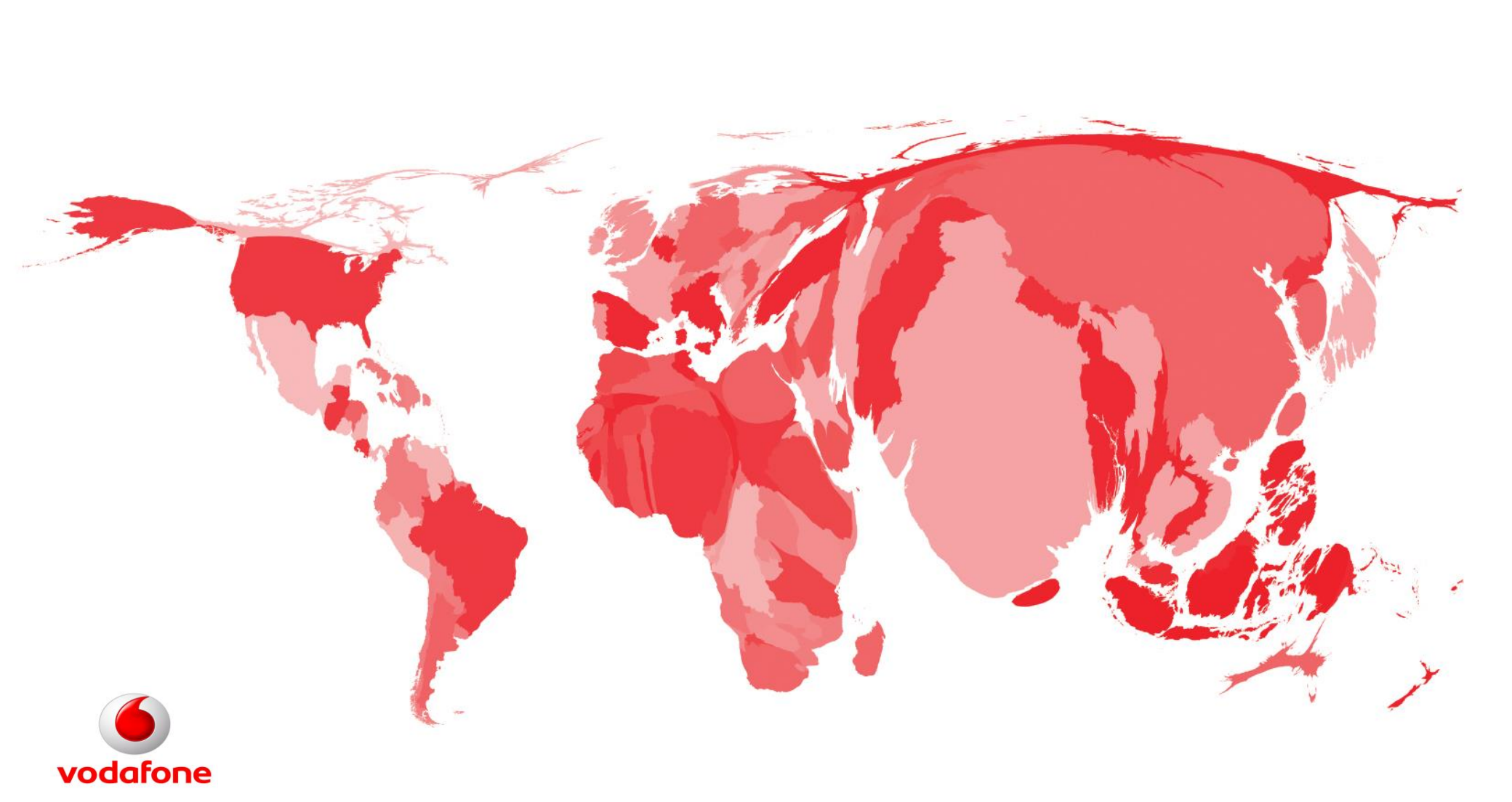
Future Agenda 2.0 | The World in 2025

BusinessNZ | Wellington | 27 March 2015



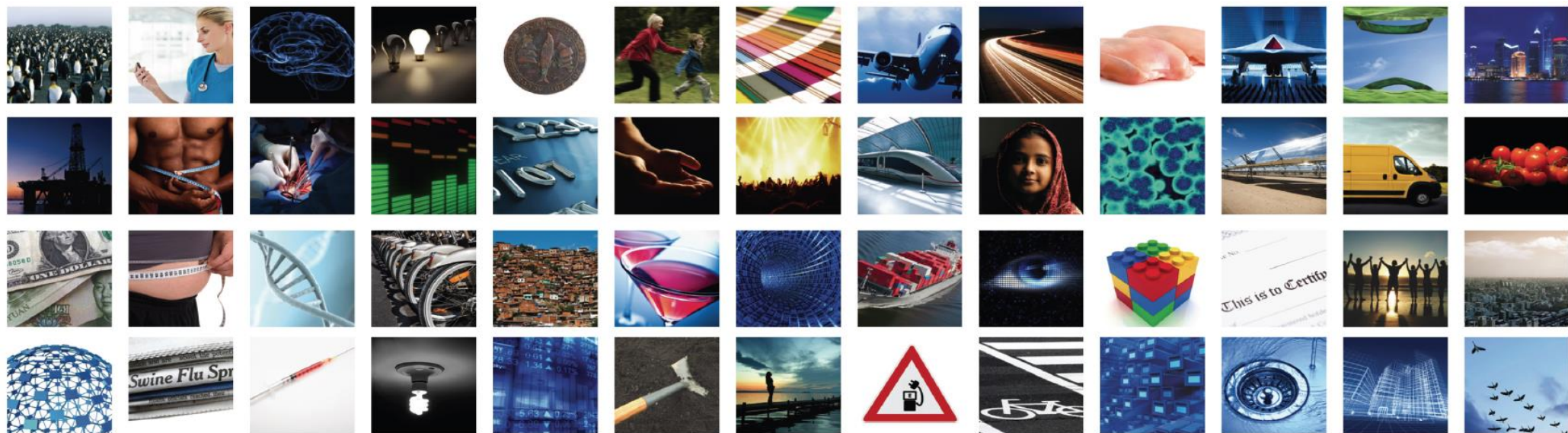
Looking Forwards

Organisations increasingly want to identify and understand both the anticipated and unexpected changes so that they can be better prepared for the future.



Future Agenda

The Future Agenda is the world's largest open foresight program that accesses multiple views of the next decade so all can be better informed and stimulate innovation.



FA 1.0 Top Insights for 2020

From the 2010 program, 52 key insights on the next decade were shared widely via books, cards and online and have been extensively used by organisations around the world.



Dynamic Pricing

Pervasive smart meters and ubiquitous tracking services create platforms for the dynamic pricing of resources, access and travel to manage demand.



Global Pandemics

We are likely to see 2 to 3 major pandemics start in regions with limited public healthcare and rapidly spread globally and so demand fast response.



Cocktail Identities

The need to differentiate between real and virtual disappears - who you are ceases to use a singular identity as we manage multiple identity portfolios.



Intelligent Highways

Mesh networks and ubiquitous mobile connections deliver automated highways to improve safety, increase capacity and reduce congestion.



Water Management

Advanced water purification, irrigation and desalination technologies are used to help communities to manage the rising supply / demand imbalance.



Mega City States

Increasing competition between cities over-rides national priorities as mayors lead bold initiatives to place their cities at the forefront of the global stage.



Ageing



Data



Government



Payments



Travel



Cities



Education



Health



Privacy



Water



Company



Energy



Learning



Resources



Wealth



Connectivity



Food



Loyalty



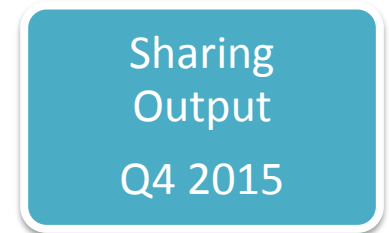
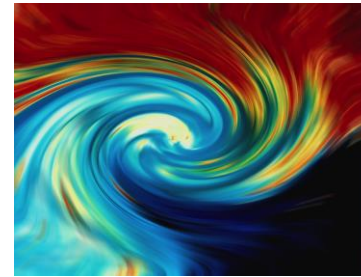
Transport



Work

Future Agenda 2.0 Topics

The second version of the Future Agenda program is taking place during 2015 and will address 20+ topics via 100 with around 20 to 25 core hosts.



The Process

20 initial perspectives on the future kicked off the Future Agenda discussions taking place across 5 continents from Feb to July 2015. These are initial views to be shared, challenged and enhanced.



Get Involved

Join in the global discussion: Participate in / host workshops and share your views online. Add alternative perspectives into the mix to create a deeper, richer and global view of the World in 2025



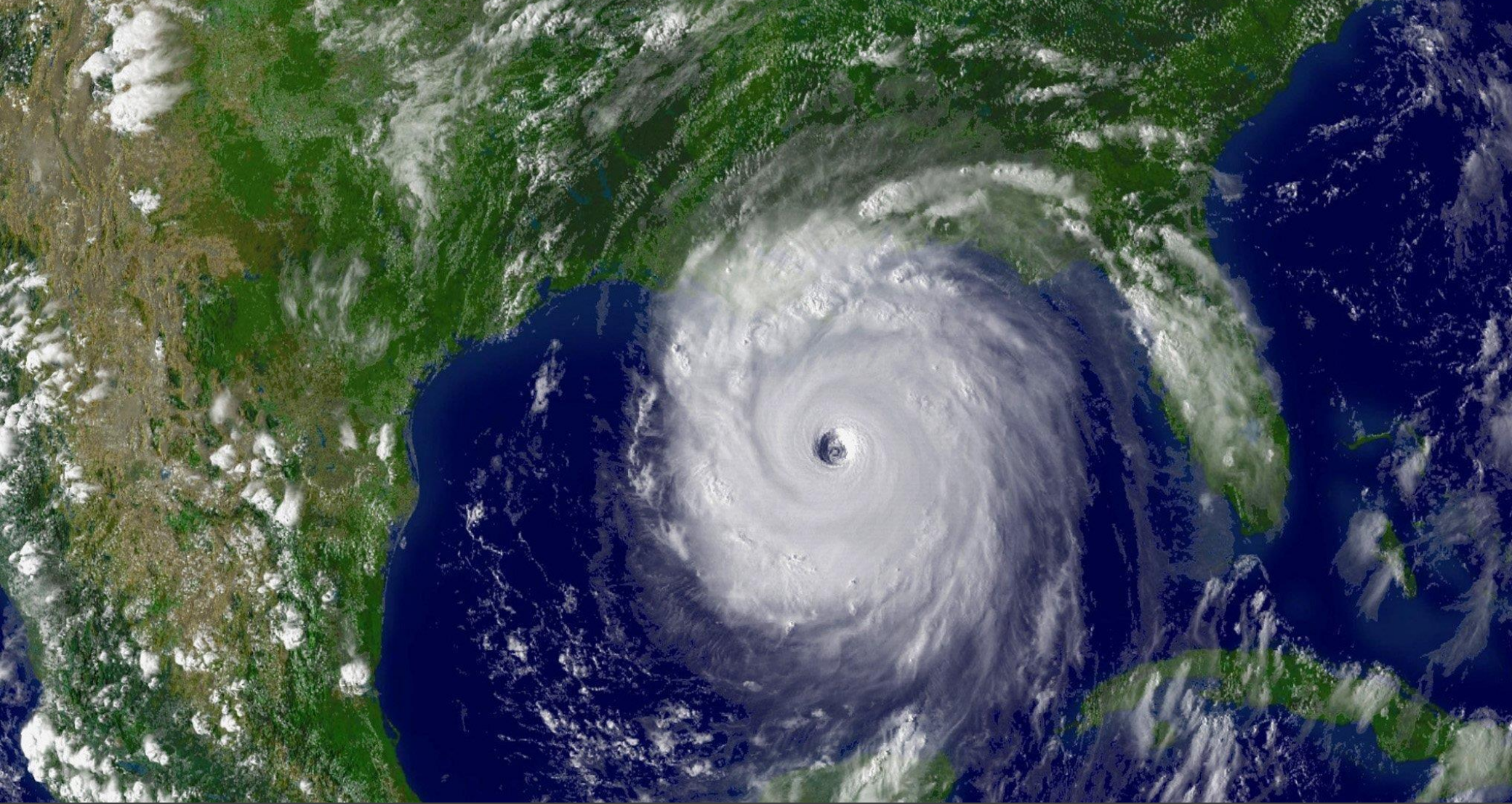
The Future of Energy

Insights from Discussions Building on an Initial Perspective by:
Jeremy Bentham | Vice President Global Business Environment | Shell



Inevitable Transition

The energy system is at the beginning of an inevitable transition, with increasing contributions from renewable energy, energy efficiency and sustainable development.



Population and Climate

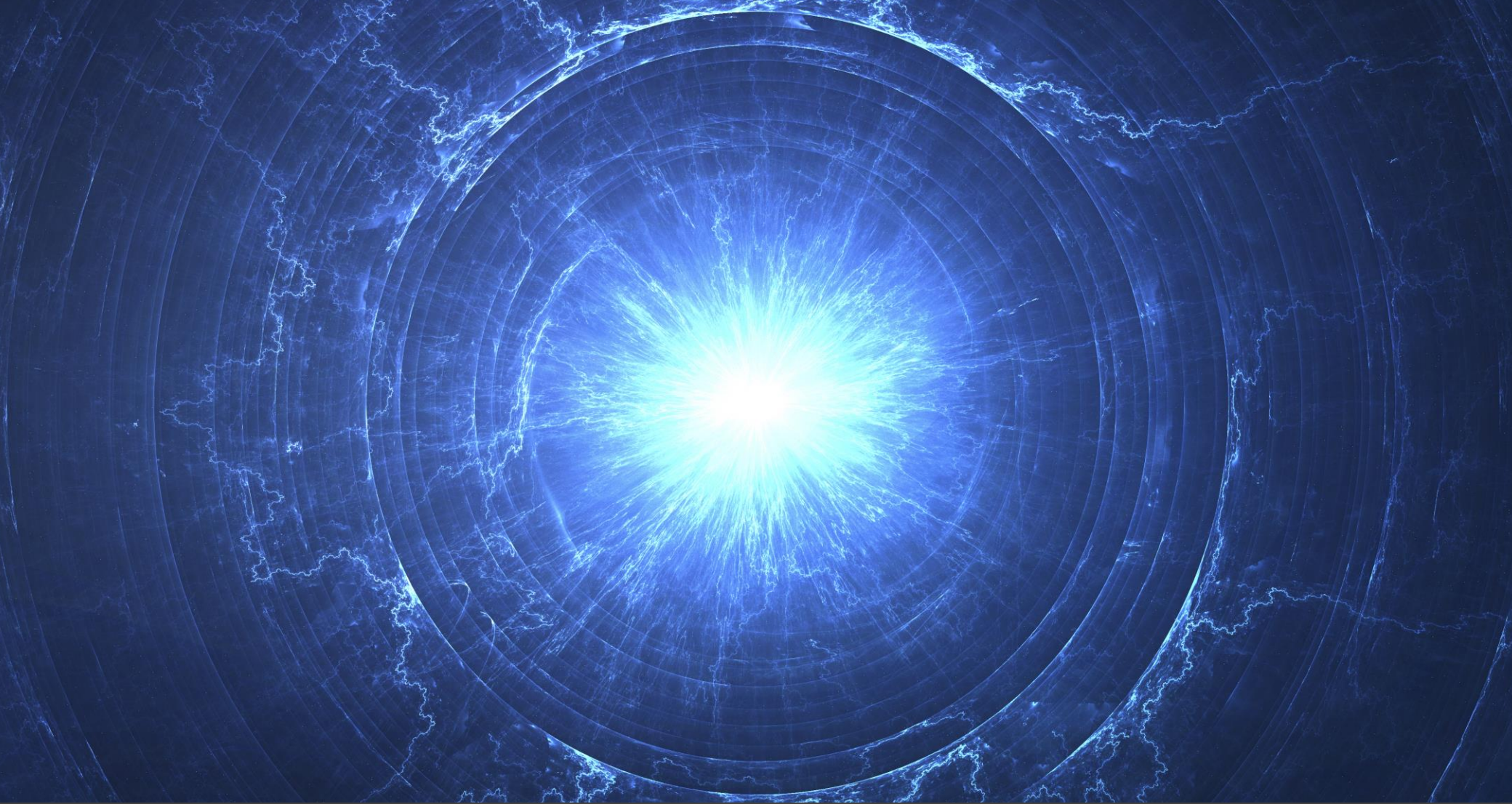
The two fundamental and strongest influences behind the energy system transition is an increasingly prosperous and growing population, and concerns about climate change.



CHANGE
—
START

Transition or Delay?

The debate is polarized on many fronts, for example between the governments of advanced and emerging economies. This delays meaningful action at scale, and in the meantime the stresses continue to mount.



Fuelling Prosperity

The benefits of energy cannot be forgotten. It is one of the enablers of our prosperity and wellbeing, and you cannot have a functioning, productive, efficient, modern economy without reliable energy.



Less Carbon - More Energy

The climate change debate is serious but needs to be broader, focused not solely on reducing CO2 emissions, but on developing a low carbon, high-energy future to ensure prosperity for all.



Collaboration and Trade-Offs

To bring about a shift and to broaden the frame of discussion, pragmatic collaboration is needed, between government, society and industry at an unprecedented scale.



Extended Period of Transition

An extended period of co-evolution and co-existence of renewables and fossil fuels is likely as new energy infrastructures supplement or supplant old.



Moderating Expectations

We need to moderate our expectations of a wholly renewable energy future in the near term with the understanding that there are significant technological and economic obstacles.



Urbanisation

Urbanisation can bring many benefits, but if managed poorly can cause greater environmental degradation and accelerate global warming.



Serious Change Required

Serious attention, optimism and swift collaborative action is needed to achieve the change needed to happen on many fronts, from the energy supply mix to energy demand management



A Shift from Unexpected Players

Agreement between China and the US is a testimony for unexpected actions by powerful players. To bring about the tipping point for a low carbon future, greater, bold collaboration at scale is needed.



Transition From Natural Gas to Renewables

Increasing investment on renewables, improving technology, falling prices and growing awareness all support transition to a low carbon future, but a clear exit strategy is needed for natural gas as a transition fuel to renewables.



Storage is Promising and Game-changing

There is a lot of emphasis on the development of storage technologies. Besides solving the problem of power intermittency from renewables, energy storage offers potential for the development of a whole new mobile energy system.



Energy Efficiency – The Invisible Fuel

The cheapest and cleanest form of energy is the energy we don't use. Adoption of effective energy efficiency measures and careful management of energy demand will play a key role in creating a clean, low cost energy future.



Leapfrogging to a Low Carbon Future

Driven by technological improvements in the low carbon energy sector, developing countries can leapfrog their way into lower carbon economies without passing through an intense fossil fuels phase.

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The world's leading open foresight program

What do you think?
Join In | Add your views into the mix

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Future Agenda
84 Brook Street
London
W1K 5EH
+44 203 0088 141
futureagenda.org