

Global Innovation Summit 2020

Crossing the Chasm: Health, Innovation and the Future Economy

Day 1:

Tuesday 17 November 4.00pm – 7.00pm EST (Washington DC)

Tuesday 17 November 9.00pm – 12.00am (+1 day) GMT (London)

Wednesday 18 November 8.00am – 11.00am AEDT (Canberra/Melbourne)

Over the 2020 Global Innovation Summit's two-day program, high-level speakers will analyse the current global health situation, innovation models and opportunity areas for future growth through different lenses. Leaders from Australia and across the globe will share their visions for supplying the solutions demanded by the COVID-19 crisis and seizing emerging opportunities for growth in dynamic panel conversations.

Day 1:

Leading in Health Solutions

The current global crisis is, firstly and foremost, a health crisis. To fully recover the global economy, we need to have the health situation under control and COVID-proof cities and nations across the globe. In the short term, the capacity to respond swiftly and guided by information coming from science has been decisive for countries to successfully respond to and operate in a COVID-19 environment.

The importance of innovation in health can hardly be overemphasized at this historic moment. The world needs new technologies, products, processes and platforms to fight and prevent COVID-19, as well as to provide health services to populations that are socially isolated and mentally stressed. The world was never so capable of generating new knowledge as of today, but it is also clear that there is a need to speed up research translation and technology deployment into new health solutions, in a safe and responsive way. New innovation frameworks and models that aim at that should be well-governed in order to prioritize patient and population safety and respect fundamental rights, such as the right to privacy and freedom of movement.

This first day of the 2020 GFCC Global Innovation Summit (GIS) will be devoted to the exploration of health technology opportunities, needs and priorities in the COVID-19 context, as well as a discussion of frameworks to accelerate innovation in health and the features and issues associated to them. Countries that lead in health solutions will build an edge into the future economy and this first day will pave the way for the discussions that will follow.



GFCC

Global Federation of
Competitiveness Councils



Australian Government

04:00pm EST
08:00am AEDT

Welcome and Housekeeping

04:05pm EST
08:05am AEDT

Welcome Remarks
The Hon. Deborah Wince-Smith
President, GFCC
President and CEO, Council on Competitiveness

04:15pm EST
08:15am AEDT

Leader Perspective
Crossing the Chasm: Health, Innovation and the Future Economy

Mr. Chad Holliday Jr.
Chairman, Global Federation of Competitiveness Councils
Chairman, Royal Dutch Shell plc

The world was transformed by COVID-19. The multi-dimensional – health, economic, social – crisis we are going through has created some of the most difficult challenges that our leaders have faced in centuries.

Crossing the chasm and going into the future economy will require a lot of innovation – in business models, processes, products, institutions and beyond. In this context, the crisis can also be seen as a lever to build better and more resilient businesses, systems and societies.

04:25pm EST
08:25am AEDT

Leader Perspective
Health and Competitiveness

The Hon Greg Hunt MP
Australian Minister for Health

The COVID-19 pandemic has driven systemic changes to the way we deliver health care. There has been unprecedented integration across many areas of the health sector, including health protection, primary care, aged care, mental health, disability care, hospitals and research.

Investing in new, innovative projects to support both rapid and longer-term transformation of ideas into new products and treatments will make a real difference to people's lives – both locally and globally. These investments not only improve people's health, they will contribute to better social and economic outcomes, which is pivotal as we respond to the disruption of the pandemic on our lives.

Confidence in the health response to COVID-19 continues to be essential in underpinning efforts to restore the Australian economy.



GFCC

Global Federation of
Competitiveness Councils



Australian Government

04:35pm EST

Leaders Dialogue

08:35am AEDT

The Australian experience and role in international collaboration to support the global response to COVID-19

Dr. Mehmood Khan

CEO Life Biosciences, Inc.
Chairman, Council on Competitiveness

The Hon Greg Hunt MP

Australian Minister for Health

Chairman of the US Council on Competitiveness, Dr. Mehmood Khan, interviews the Australian Minister for Health, the Hon Greg Hunt on Health and Competitiveness - the Australian experience and role in international collaboration to support the global response to COVID-19.

Australia was the first country in the world to sequence the new coronavirus outside of China and implemented strict measures to contain the pandemic early on. The country put in place a Health Sector Emergency Response Plan that, in conjunction with other government initiatives, has enabled a multi-faceted, flexible and scalable response in the COVID-19 fight, aiming to minimize the impacts of the pandemic and to make immunization available to whole Australian population as soon as possible.

The Australian evidence-based approach has rendered positive results: the country is one of the least affected by the pandemic and its economies is forecasted to perform better than the global average in 2020. Australia's approach includes a series of global partnerships in areas such as virus research, global health surveillance, disease treatment and vaccine development.

04:55pm EST

Perspectives

08:55am AEDT

Panel Conversation: Putting health technology to work

Moderator:

Dr. Rob Grenfell

Health Director, Health and Biosecurity, CSIRO

Panelists:

Dr Stefan Hajkovicz

Senior Principal Scientist, Group Leader, Data 61 Insights, CSIRO

Professor Mary Foley AM

Managing Director, Telstra Health



GFCC

Global Federation of
Competitiveness Councils



Australian Government

Dr. Karen Holbrook

Regional Chancellor, University of South Florida Sarasota-Manatee

Ron Indeck

CEO, Q-Net Security

The COVID-19 pandemic brought about a major health, economic and social crisis across the globe. Addressing the health problem is paramount to improve the situation in all dimensions and technology is an essential part of the answer – from responding to COVID-19 to building the future economy.

New technologies are required for COVID-19 diagnostics, treatment and prevention, public health and health systems management, urban and supply chain safety and more. The health impacts of the pandemic go beyond the coronavirus infection and the overload of health systems it causes, they encompass the new reality faced by patients who need to access health services because of other conditions and the mental health issues that arise from social isolation. All those cases require innovative solutions and many novel products and technologies are popping-up globally.

It is clear in this context that the pandemic has accelerated the need for research translation and technology transfer in the health space. It has also highlighted the importance of frameworks for public-private partnerships and collaboration that could render speedy results. Health is a particularly sensitive area and a variety of issues related to governance, privacy and regulation must be considered when thinking, designing and deploying new models.

This panel will explore what innovative technologies are emerging in the COVID-19 context and beyond, and review the ethical, regulatory, security and institutional issues associated to them. It will also address how technology is supporting countries to escape and/or deal with the health crisis and build the future economy, as well as the lessons learned that should be considered in the future to accelerate innovation in health technologies.

Discussion questions:

- What are the most relevant health technologies in the context of COVID-19?
- How is technology supporting countries to escape the health crisis?
- What models are working to accelerate technology and knowledge transfer?
- What key governance, privacy, security and regulatory health tech issues have emerged?
- How can technology be used to support good mental health?



GFCC

Global Federation of
Competitiveness Councils

05:35pm EST
09:35am AEDT

Break

05:40pm EST
09:40am AEDT

Leaders Dialogue

Vaccines – global innovation and partnerships

Moderator:

Jane Halton AO PSM

Chair, Coalition for Epidemic Preparedness Innovations

Panelists:

Dr. Victor Dzau

President US National Academy of Medicine

John Crothers

Australian CEO, Abbott Labs

Dr Dean Moss

CEO, UniQuest

Humanity has never had at its disposal the science and technology toolkit that is now available. A global mission is underway to produce a vaccine to reduce the health, social and economic impacts of the COVID-19 pandemic.

Today, there are more than 170 vaccines being developed around the globe and all those projects are based on the understanding of the virus and its components – capabilities in genomics and proteomics are essential for that.

Getting to scale and supplying the diagnostic kits and immunization solutions that are and will be required by populations around the globe is a particular challenge that requires further attention. In order to immunize the global population, we will need more capacity than is currently available. This signals to the importance of investment in capacity but also innovation in manufacturing processes. Any predictions about the timeline for a potential vaccine must factor production, distribution and society response as critical aspects, as well as to consider the economics of such processes.

Discussion questions

- What is the pathway for a vaccine? What steps do we need to take to get there?
- What is required for global health security in response to the COVID-19 pandemic and the likelihood of future pandemics?
- What is needed in terms of manufacturing capability, partnerships between governments and private enterprise, and broader innovation?



Australian Government

06:10pm EST
10:10am AEDT

Perspectives

Panel Conversation: Paving the way for a safer future

Moderator:

Dr. Jane Wilson

Future Fund Board of Guardians;
Non-Executive Director, Sonic Healthcare;
Co-Chair Australian Advisory Board on Technology and Healthcare
Competitiveness

Panelists:

Dr Cathy Foley

Chief Scientist, CSIRO

Professor Ian Frazer AC

Chair, Australian Medical Research Advisory Board

Dr. Michinari Hamaguchi

President, Japan Science and Technology Agency

Mr. Simos Anastasopoulos

President, Council on Competitiveness of Greece – CompeteGR

Dr Erol Harvey

CEO, Aikenhead Representative

Research capabilities and tools have been essential to fight and prevent COVID-19, and are critical for the development of a much awaited vaccine. Medical science is definitely at the forefront when we think about building a safer future.

Diagnosing, treating and preventing COVID-19 demands developments in many fronts. Genomics and bioengineering technologies were particularly important for the development of diagnostic kits worldwide and remain critical for vaccine development. The good news is that sequencing capacity is increasingly available across the globe. At the same time, new AI tools are becoming more common and are being used by scientists to identify regions of the new coronavirus with strong antibody targets, allowing for the development of modern vaccine candidates that use only specific components of the virus, instead of the whole (dead) viruses that was included in the older forms of vaccines. The combination of genomics, data analytics and AI presents good prospects for vaccine design, as well as for the development of individualized treatments.



GFCC

Global Federation of
Competitiveness Councils



Australian Government

Fighting COVID-19 has been a global enterprise. Scientists across nations are collaborating in research to better understand the virus and develop a vaccine. Global data availability, reliability and trust are essential to power such collaborations, at the same time that data infrastructures and repositories are important tools.

The pandemic has not only affected patients and communities suffering from COVID-19, but people with a variety of medical conditions. With social distancing, it became essential for health systems and professionals to be able to diagnose and deliver care remotely and to distant populations. Telemedicine, which was already being practiced in certain countries and contexts, got a big push during the pandemic and became a fundamental tool to support medical science and care.

This panel will review the main developments in medical science related to the response to COVID-19. Panellists will share information and ideas on how innovative technologies are being used and, also, what is needed to scale up diagnostics, prevention and care in a sustainable and resilient way.

Discussion questions:

- What is role of AI and data analytics in the response against COVID-19?
- How can we assure that health tech supply chains are secure and resilient?
- What types of innovations are needed in production and manufacturing?
- What is the role of telemedicine in the COVID-19 context?

06:50pm EST
10:50am AEDT

Summary and closing of Day-1

Roberto Alvarez
Executive Director, GFCC



GFCC

Global Federation of
Competitiveness Councils



Australian Government

Global Innovation Summit 2020

Crossing the Chasm: Health, Innovation and the Future Economy

Day 2:

Tuesday 18 November 4.00pm – 7.00pm EST (Washington DC)

Tuesday 18 November 9.00pm – 12.00am (+1 day) GMT (London)

Wednesday 19 November 8.00am – 11.00am AEDT (Canberra/Melbourne)

Day 2:

Building the Future Economy

The COVID-19 pandemic has accelerated trends and catalyzed changes in business and the economy - from remote work to e-commerce expansion, from online education to a sharp increase in the demand for last-mile logistics, among others. New business, work and organizational models that emerged recently are here to stay. In a similar fashion, the current drive toward speed in innovation processes – as seen in the health case and discussed in day 1 – is likely to remain as a permanent feature that economies will need to emphasize.

The implications of such transformations reach further than the business domain and the microeconomic level, they signal to shifts in industry mixes, capital allocation priorities and the economy in general. They occur in a time when sustainability and inclusiveness are coming to the centerstage in business and policy. Building the future economy entails understanding the changes emerging across industries, deploying frameworks to foster cross-sector collaboration and accelerate innovation, allocating capital to fuel that and, not least important, embedding sustainability and inclusiveness into economic models.

The second day of the GIS 2020 will be devoted to the discussion of priority areas and industries for the future economy, frameworks and models to accelerate innovation and financial architectures that can allow for innovators to better access capital. The day will be concluded by a high-profile panel in which Australian and global leaders will share their perspectives on the paths that companies and economies should trial to get to a more resilient, competitive and prosperous economy.

04:00pm EST
08:00am AEDT

Welcome, Housekeeping and Day-1 Recap

Roberto Alvarez
Executive Director, GFCC

04:05pm EST

Leaders Dialogue

08:05am AEDT

In conversation: Innovation and Competitiveness

Interviewer:

Mr Charles Holliday Jr

Chairman, GFCC;

Chair of the Board, Royal Dutch Shell plc

Interviewee:

The Hon Karen Andrews MP

Australian Minister for Industry, Science and Technology

GFCC Chairman Chad Holliday Jr. interviews the Australian Minister for Industry, Science and Technology, the Hon Karen Andrews on the country's recovery agenda and investments in crucial economic sectors in the pandemic aftermath.

Australia's swift response to COVID-19 put the country in a better position compared to other nations. But economic impacts vary across industries. While tourism and hospitality have been strongly hit, digital businesses and e-commerce could thrive.

The Australian response focused on government-business collaboration is a case-study for nations worldwide. A national commission with business sector working groups has been established and Minister Andrews convened regular roundtables with business organizations to provide a business perspective on the crisis and help inform the government's economic recovery response. The government also issued guidelines for keeping crucial economic areas, such as construction and mining, operating under safety conditions.

Nevertheless, there are critical steps to boost productivity and competitiveness. Digitalization and Industry 4.0 mechanisms have changed global manufacturing. New business models integrate digital technologies and combine tools, such as analytics and customization, to increase the value proposition.

In Australia, policies aimed to upgrade digital infrastructure can facilitate business and increase industry productivity. Another national priority is improving small-medium enterprises' competitiveness by facilitating their digital technologies' access to boost scalability. The conversation will focus on Australia's priorities to recovery and future building, best practices, and lessons learned.



GFCC

Global Federation of
Competitiveness Councils



Australian Government

04:30pm EST

Perspectives

08:30am AEDT

Panel Conversation: Building the future economy

Moderator:

The Hon. Deborah Wince-Smith,

President GFCC

President and CEO, Council on Competitiveness

Panelists:

Dr. Pradeep Philip

Lead Partner, Deloitte Access Economics

Professor Russell Boyce

Chair for Intelligent Space Systems at University of NSW

Dr. Mohd Yusoff Sulaiman

CEO, Malaysian Industry-Government Group for High Technology (MIGHT)

Dr Tony Lindsay

Director, STELaRLab, Lockheed Martin Australia and New Zealand

Omar Al-Ansari

Secretary General

Qatar Research, Development and Innovation Council

The COVID-19 pandemic has caused the largest economic stun in many decades. The crisis called for immediate action to protect large contingents of suddenly unemployed citizens and businesses at risk, and economic stimulus packages followed suit globally. At the same time, it is evident that several of the developments we saw in recent months in business and work will have clear long-term implications – for companies, people in the workforce, industries, investors, nations and the global economy at large.

The crisis also poses an opportunity to redesign economic systems and society, as many leaders have said. On one hand, digitalization has gained momentum, will boost efficiency, affect all industries and, at the end, industry mixes in economies. On the other hand, the pandemic further called the attention of business, research and policy stakeholders to global risks (and opportunities) such as climate change – sustainability and resiliency are being increasingly recognized as key attributes. Innovation underpins any and all initiatives needed to address those aspects and the very notion of a future economy.

To build the future economy, countries need to start to work now. They should combine the response to the current crisis with industry adaptation



GFCC

Global Federation of
Competitiveness Councils



Australian Government

(to operate and serve customers safely, resuming operations as soon as possible) and a future-looking effort that addresses science and technology capabilities, infrastructures, skills, investment frameworks, manufacturing capacity, global market access and regulation. Building the future economy will require identifying areas of potential growth and current trends that could be leveraged, understanding the key enablers for future growth and working with innovation stakeholders to build consensus on priorities for action. It should also take into account the learnings gained from the current crisis in order to allow for the design of more resilient systems.

This panel will review the main opportunity areas and industries to focus on in building the future post-COVID-19 economy and the types of initiatives and tools needed for businesses, industries and countries to accelerate their trajectories toward those. The conversation will also explore how different industries are adapting to the current situation, how investments in resiliency and sustainability can be accelerated and economies prepared for future transition.

Discussion questions:

- What are the main opportunity areas to build the future economy?
- What can be done to boost future industries?
- Which industries are best adapting to the COVID situation? How?
- What is the role of manufacturing in the future economy?
- How can countries accelerate the development of future skills?
- What will attract capital to sustainable and resilient projects?

05:10pm EST

Leaders Perspective

09:10am AEDT

Innovation: Shared values and partnerships

The Hon Arthur Sinodinos AO

Australia's Ambassador to the United States of America

Responding to COVID-19 has called for the forging and strengthening of partnerships between governments, researchers and the public and private sectors. These connections are based on the shared vision for human progress. Ambassador Sinodinos will highlight the importance of shared values such as security, fairness, liberty and opportunity for all – and their ability to naturally facilitate partnerships and breakthrough innovations at a crucial time. To unlock the future potential, we consider what values are required for our partnerships and how will we advance our shared vision whilst navigating challenges and opportunities going forward.

05:15pm EST
09:15am AEDT

Technology Focus
Innovation breakthroughs

Moderator:
Prof. Isabel Capelo Gil
Rector, Universidade Católica Portuguesa

Presentations:
Dr. Thomas Zacharia
Director, Oak Ridge National Lab

Professor William Rawlinson AM
University of New South Wales

Technology is enabling major innovation breakthroughs that will strengthen future economies. Fighting COVID-19 calls for expertise in high performance computing (HPC). The race to identify solutions to the COVID-19 pandemic has accelerated the adoption of new research and development tools and methods, simultaneously requiring and catalyzing new types of collaborations, public-private partnerships and approaches to health research regulation.

In this session we will focus on two examples of technological breakthroughs assisting the global response to the COVID-19 pandemic; the use of HPC at the Oak Ridge National Lab in the United States and the genome sequencing work at the University of New South Wales in Australia.

05:40pm EST
09:40am AEDT

Perspectives
Panel Conversation: Fueling Innovation

Moderator:
Charles Kiefel AM
Chairman, The Principals Funds Management
Co-Chair, Australian Advisory Board on Technology and Healthcare
Competitiveness

Panelists:
Sam Sicilia
CIO, Hostplus

Dr. Manny Pohl, AM
Chairman and CIO, ECP Asset Management



GFCC

Global Federation of
Competitiveness Councils



Australian Government

Ms. Alicia Gregory,
Head of Private Equity, Future Fund

Mr. Hiro Nishiguchi
CEO, Japan Innovation Network

Ms. Gianna Sagazio
Innovation Director, Brazilian Confederation of Industry (CNI)

Innovation is the main driver for future growth – according to the OECD, it accounts for a minimum of 50% of the growth observed in its member countries. Innovation also is the common thread linking the COVID-19 with the future economy: it generates the solutions needed to address the current health crisis and is at the core of digitalization, sustainability, resiliency and the economic transformation we are poised to see ahead.

Innovation is the transformation of knowledge into new products, processes, methods, business models and organizational solutions that create economic and societal value. It requires capital, talent and infrastructures – physical, digital, business, research and legal. It thrives in diverse and interaction-rich environments, in which stakeholders connect systematically and continually, routinely co-create and originate new initiatives and ventures.

To build the future economy, countries will need to allocate capital to innovation projects, technology research, new businesses and nascent industries. They also need to put in place critical digital infrastructures to allow for connectivity and frameworks to catalyze cross-sector collaboration and crosspollination.

This panel will serve as a lively platform to catalyze the thinking on investment, talent, infrastructure, legal frameworks and collaboration platforms to boost innovation. Participants will share global best practices and insights on how innovation can be accelerated in different realities, via the mobilization of a range of stakeholders – global investors, entrepreneurs, industry, research organizations, media etc. Panelists will be invited to reflect on the key levers to fuel innovation.

Discussion questions:

- What are the minimum investment and financial criteria for attracting capital to fund companies which fuel innovation?
- How can we successfully translate innovation from invention through to commercialization stages?
- How can innovative companies or fund managers secure different sources of capital (from superfunds, institutional investors, multinational



GFCC

Global Federation of
Competitiveness Councils



Australian Government

companies, sovereign wealth funds, Entrepreneurs etc.) toward innovation projects?

- What are the company attributes that investors look for when considering whether to invest in a company? Give some examples of the most successful companies in the capital markets history.
- How can we reduce the barriers for entrepreneurs to access capital worldwide?

06:20pm EST

Perspectives

10:20am AEDT

Panel Conversation: Leading into the future economy

Moderator:

Charles Holliday Jr,

Chairman, GFCC;

Chair of the Board, Royal Dutch Shell plc

Panelists:

The Hon. Deborah Wince-Smith

President GFCC

President and CEO, Council on Competitiveness

Dr Larry Marshall

Chief Executive, CSIRO

Co-Chair Australian Advisory Board on Technology and Healthcare
Competitiveness

Dr Jane Wilson

Co-Chair Australian Advisory Board on Technology and Healthcare
Competitiveness

Charles Kiefel AM

Co-Chair, Australian Advisory Board on Technology and Healthcare
Competitiveness

Crossing the COVID-19 chasm and building the future economy will not happen by chance. It will require resolute, strategic and timely thinking and action. It will only be possible if different stakeholders – a growing cadre of stakeholders and representatives from various segments of society – are brought to the table, share their views and collaborate to agree on priorities and set the direction to go. This process requires, above all, leadership.

In this final high-profile panel conversation, leaders will share their views on the role of leadership during the current crisis and into the future economy, as well as their perspectives on how the global competitiveness landscape is



GFCC

Global Federation of
Competitiveness Councils



Australian Government

changing. They will reflect on current and future challenges, opportunities and needs for leadership.

Discussion questions:

- How can leaders best work with society to bridge crisis and future economy?
- What is needed to propel countries toward the future economy?
- What global collaboration frameworks are needed to build a sustainable future?
- How are the future drivers for long term global competitiveness changing?
- What can be done to prepare the next generation of leaders?

06:55pm EST
10:55am AEDT

Summary and Close

Previous Summits

Since the GFCC's inception, the Global Innovation Summit has been held in the U.S. (2010), Brazil (2011), United Arab Emirates (2012), Korea (2013), Canada (2014), Saudi Arabia (2015), the United Kingdom (2016), Malaysia (2017), Argentina (2018) and Kazakhstan (2019).

For further information about The GFCC previous summits, please access our website: thegfcc.org.