Resilience thinking in unlocking the complexity of cities
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Cities face challenges on an unprecedented scale

Within 10 years there will be close to 500 cities with a population of more than 1 million.

Cities will soon account for 90% of the world’s population growth and 75% of its energy consumption.

Based on current trends the global infrastructure gap is estimated at a US$15 trillion between 2017 and 2040.

The world’s urban population is expected to grow rapidly.

National income is higher in more urbanised countries.
These challenges are complex and require new ways of thinking and working together

• Addressing asymmetry of growth and opportunity within and between cities and regions
• Capitalising on disruptive innovations that are transforming urban economies and market boundaries
• Leveraging data and technology to optimise and improve infrastructure and services
• Governing effectively as the public’s confidence in major institutions erodes
• Managing risks and adapting to chronic stresses and acute shocks
We believe there are better ways to address the many challenges that cities face...

Applying resilience & systems thinking

Integrating knowledge and methods

Leveraging the power of data

Pursuing new forms of collaboration

Empowering citizens and communities

...strongly aligned to the CRC WSC approach
EY has been working with CRC WSC to better understand its impact to date and future potential.

CRCWSC and partners support government, business, academia and communities in creating resilient, productive and liveable cities and towns.

CRCWSC has proven its worth by helping partners leverage over 6:1 return on investment in economic, social and environmental value.

Exponential cities growth, rapid technology and business disruption give opportunity to extend CRCWSC role & unlock significant cities investments.
CRCWSC can play crucial role along with partners in unlocking the massive potential value from taking a coordinated, system-wide approach to tackling challenges of this scale…

- Economic cost p/a of unmitigated climate change in Australia: $128b
- Obesity cost to Australian economy in 2011/2012: $8.6b
- Economic cost p/a of premature death related to mental illness in Aust & NZ: $56.7b
- Without action – projected increased cost of congestion in our biggest cities: $53.3b

...by working collaboratively across multiple disciplines, industry, government and communities
Future CRCWSC research and adoption activities could focus on:

- mainstreaming existing outputs to step up the impact of previous success
- achieving the next step-change by contributing to the planning, delivery and operations of truly integrated and innovative city systems

Public and private investment opportunities are significant:

- Urban and precinct redevelopments (Aquarevo, Fishermans Bend, The Spit)
- Australian Government City Deals (Townsville, Western Sydney, Darwin, SEQ)
- International: China (Kunshan), India, ASEAN (Singapore), Africa; Europe, Americas (growth and consolidation)

... and exciting!
Thank you & questions

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