



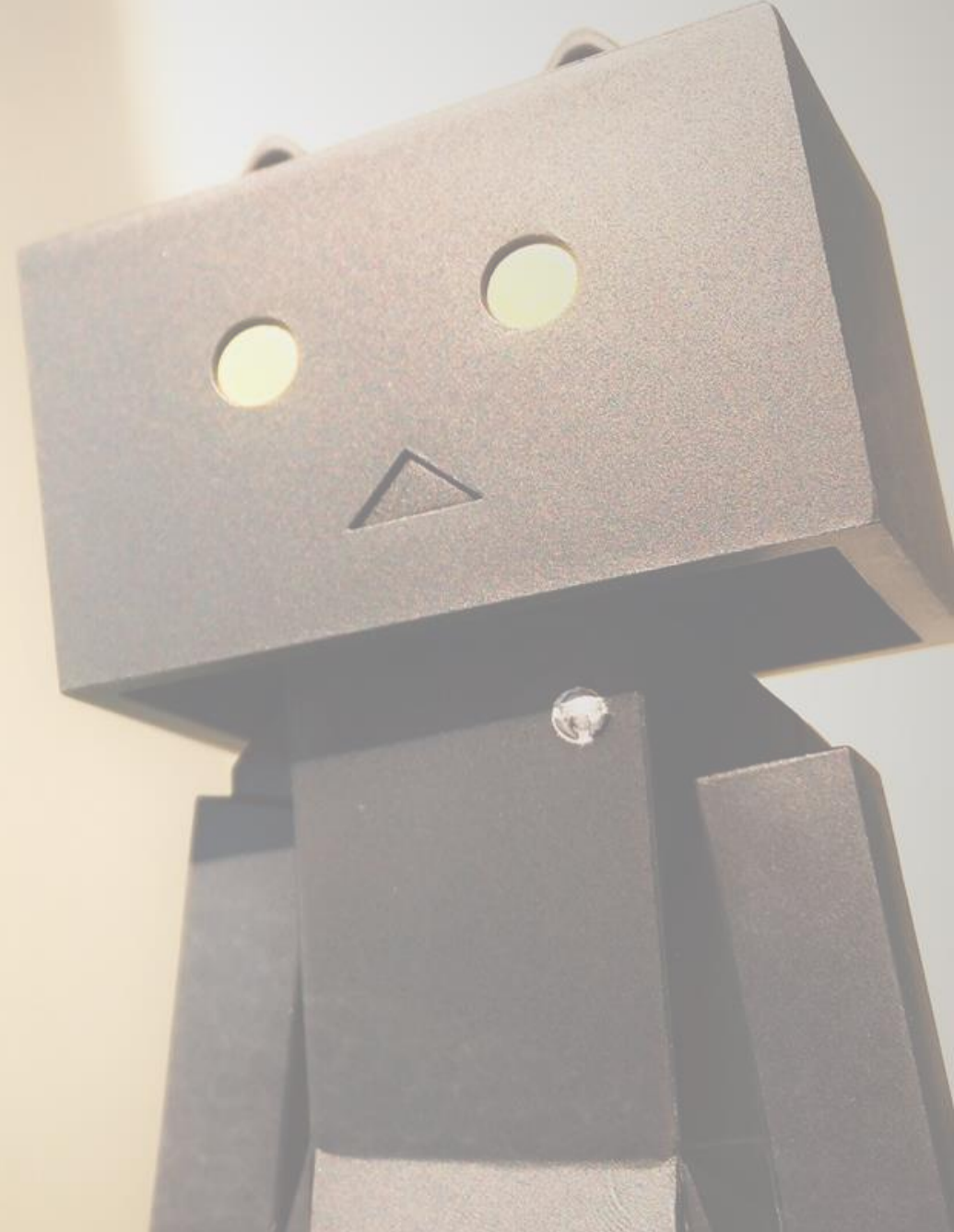
The Drivers for Digital Disruption of the Planning Profession in New Zealand

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Paper for Rodney Davies Research Symposium 2019

- *Topic:* Change in how planning is practiced
- *Conclusion:* Gap in research but an issue being explored in many professions / fields
- *Importance:* For our profession to respond we need to understand the drivers for this change

1. Intro



The origin of my research...



Why has so little changed in my professional practice compared to all the other spheres of my life?

...the way I bank, watch TV, shop and book travel are so different now than 20 years ago.

Initial Scoping

Future of Work
Knowledge Economy
The Role of Professional Expert



Focus of different fields of study around the issue of change in the work of the professions



Digital Disruption of Markets



Digital Transformation of Citizens/Workers



SMART City System



Theory/Concepts

Questions which arose

Digital Disruption vs
Digital Transformation

Which technologies?
Which will disrupt?

What do we do as
planners?



What is the extent of
planning profession?

Professions vs
Disciplines

New emerging
professions and non-
professions

Knowledge
economy, role of
experts





2. My Research Journey



Other Knowledge Professions / Academic Disciplines

Business (Labour/Employment Studies, Management, Marketing/media)

Social Science (geography/urban studies, politics)

Science (natural science, computing)

Education (learning, vocational training)

Medicine/Health (user interface)

Within the Planning Profession (NZ and Abroad)

- Books
- Journal Articles
- Conference Papers
- Expert Reports



Aligned Professions



Law



Architecture



Engineering

Governance and Business sources



Government

- Government Digital Strategies
- Government policy
- Political factors e.g. productivity commissions



Business

- Professional publications
- White Papers
- Blogs / News Articles

3. The Drivers

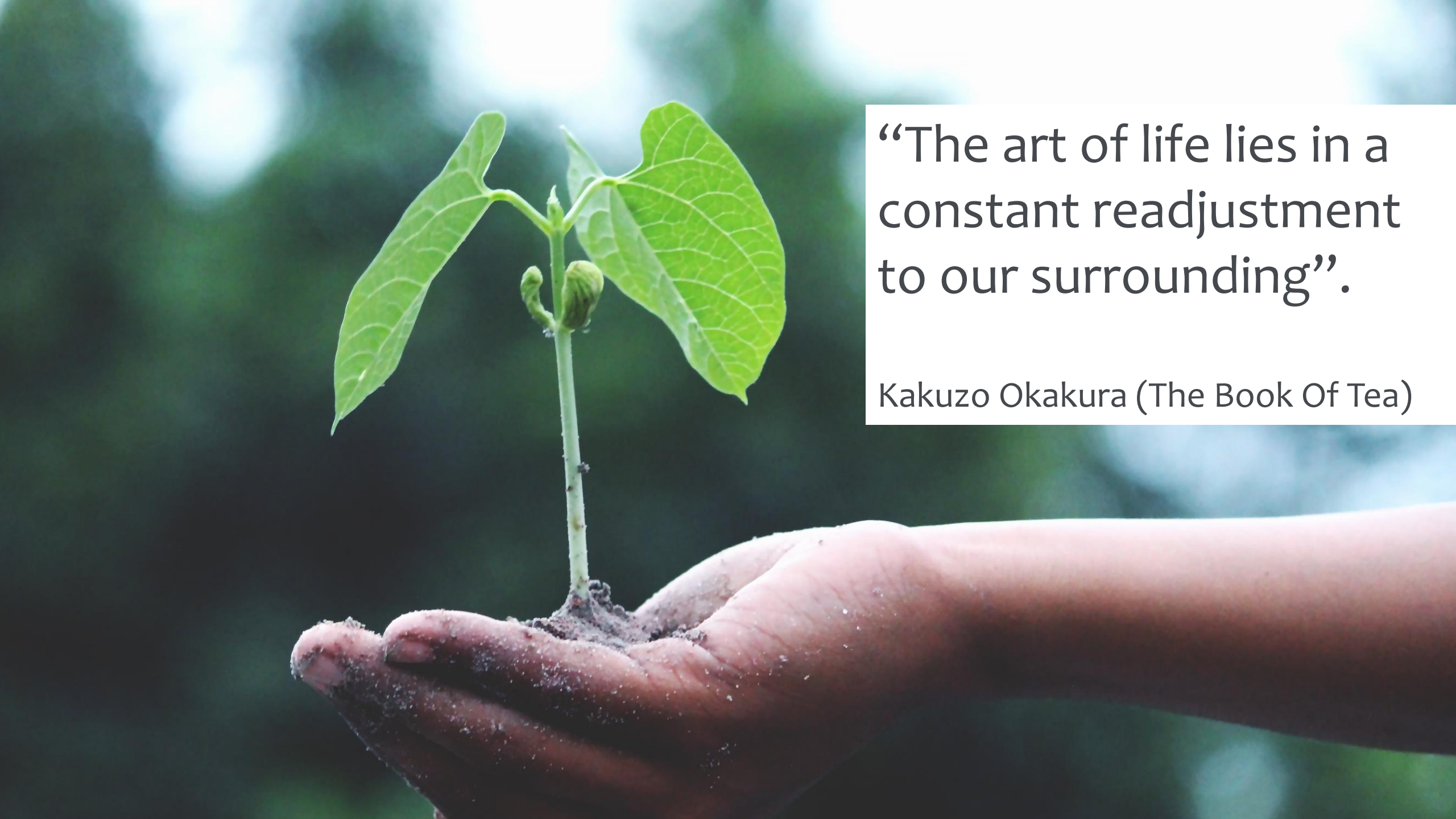


Drivers of Change to the Practice of Planning

- Globalised and connected world
- Data driven planning / Internet of Things
- Economic - providing more service in less time, services as commodities
- Societal pushback on traditional models of producing and distributing practical expertise
- Greater use of technologies which automate, embed and generate professional expertise via machine

Drivers of Change to the Practice of Planning

- Political – open, transparent and accountable government
- Sophisticated expectations of users of the planning system
- Collaboration of project teams via cloud technology in real time
- Convergence of Architecture, Engineering and Construction via Information Systems such as Building Information Modelling for integrated design and build workflows
- Real time environmental control via IOT

A close-up photograph of a person's hand holding a small, young plant. The plant has a thin green stem, two large, heart-shaped green leaves, and a small, rounded green bud at the top. The base of the plant is covered in dark, moist soil. The background is a soft, out-of-focus green, suggesting a natural outdoor setting.

“The art of life lies in a constant readjustment to our surrounding”.

Kakuzo Okakura (The Book Of Tea)



RMA Digital

New ideas for smarter practice



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