Challenging the status quo: innovate or detonate

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Office of the Surveyor General NSW Australia
A few key takeaways ...

There is something that every single person in this room can do to improve our profession ..........

Starting today

- Question conscious and unconscious bias
- Adopt small or large scale changes to improve survey workflows
- Actively promote surveying to the next generation
- Understand that the diversity of our profession is not just “women’s business” nor does it rest solely on the shoulders of our “young surveyors”
WE LIVE IN A TIME OF **CHANGE.**

WHEN PEOPLE, IDEAS, DATA, CRISES AND SOLUTIONS FLOW ACROSS BORDERS, FASTER THAN EVER BEFORE. WHEN NEW VOICES ARE HEARD AND NEW FRONTIERS Emerge.

**IT IS A TIME OF OPPORTUNITY.**

AND YET, JOB AUTOMATION, CLIMATE CHANGE, REFUGEES, FOOD SECURITY, AGEING, INEQUALITY. **IT IS ALSO A TIME OF GRAND CHALLENGES** THAT CAN ONLY BE SOLVED WITH THE COLLECTIVE ACTION OF OUR GOVERNMENTS. WE THE PEOPLE WORKING IN THE SURVEYING PROFESSION KNOW THAT CHALLENGES ARE NOT SOLVED BY ONE PERSON, ONE TEAM, OR ONE COUNTRY. WE KNOW THAT CHALLENGES ARE SOLVED BY BUILDING BRIDGES NOT BARRIERS.

UNITED BY A SHARED PURPOSE WE COMMIT TO THESE PRINCIPLES:

**FOCUS ON THE PEOPLE WE SERVE TO EARN THEIR TRUST.** BE HUMBLE. LOOK ACROSS SILOS AND BEYOND OUR COMFORT ZONES.

BUILD DIVERSE NETWORKS. EMBRACE NEW PERSPECTIVES. HARNESS THE FRONTIERS OF TECHNOLOGY. BECAUSE TODAY’S PROBLEMS NEED TODAY’S SOLUTIONS.

**BE BOLD ENOUGH TO EXPERIMENT.**

BUT DON’T REINVENT THE WHEEL. LEARN FROM MISTAKES. SHARE THESE LESSONS. CELEBRATE SUCCESS, AND REMEMBER:

WE SERVE THE PEOPLE, BUT WE ARE THE PEOPLE TOO, WORKING SIDE BY SIDE WITH CITIZENS AND ACROSS SECTORS, WORKING TOGETHER TO **BETTER SOCIETY.**
Technology is neither good nor bad - It’s what you do with it that makes the difference.
Increased global connectivity

Reflecting on changes over the past 5 years:

• rise of mobile technology
• the birth of the mobile ‘app’
• the wide spread adoption of cloud based computing
• increased connectivity of users
Reaching 50 million users

The fastest speed to 50 million users was set by Pokémon Go, which did it in 19 days.

Could the next big thing do it in mere hours?
Challenges facing profession
Democratisation of measurement

SBAS

Australian Satellite Based Augmentation System

NPI
As users become more familiar with geographic information and begin to understand the power of position it is expected that we will continue to see more innovative and diverse uses of geographic information.
What is a Surveyor??
Where are all the surveyors at?
“It is not the strongest of the species that survives, nor the most intelligent that survives. It is the one that is most adaptable to change.”

– origin unknown.
Measurement to management
CHANGE MANAGEMENT
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"Don't think outside the box, think like there is no box"