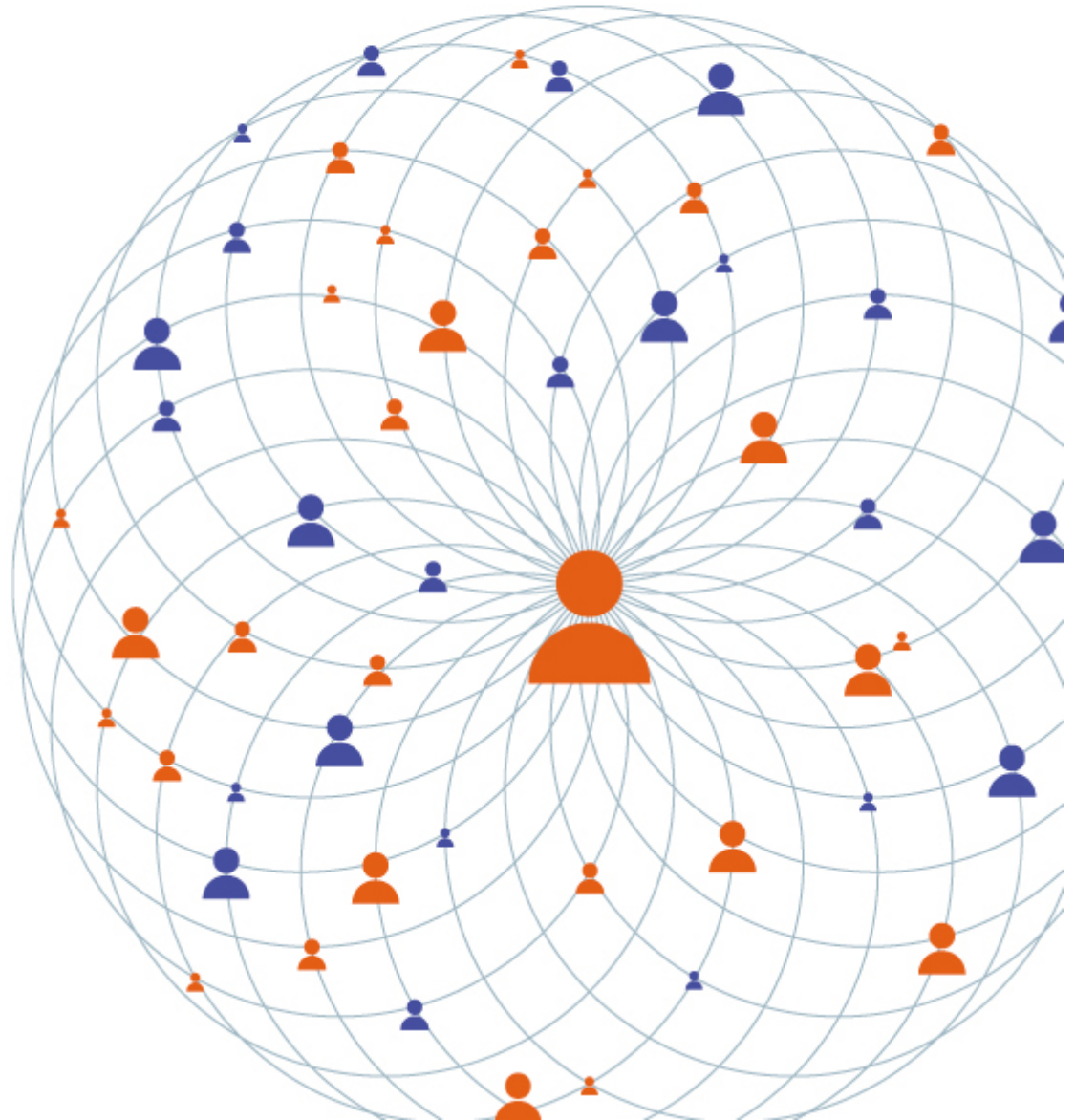


Leaders
who think
for themselves
and act
for each
other

Innovation in Consulting

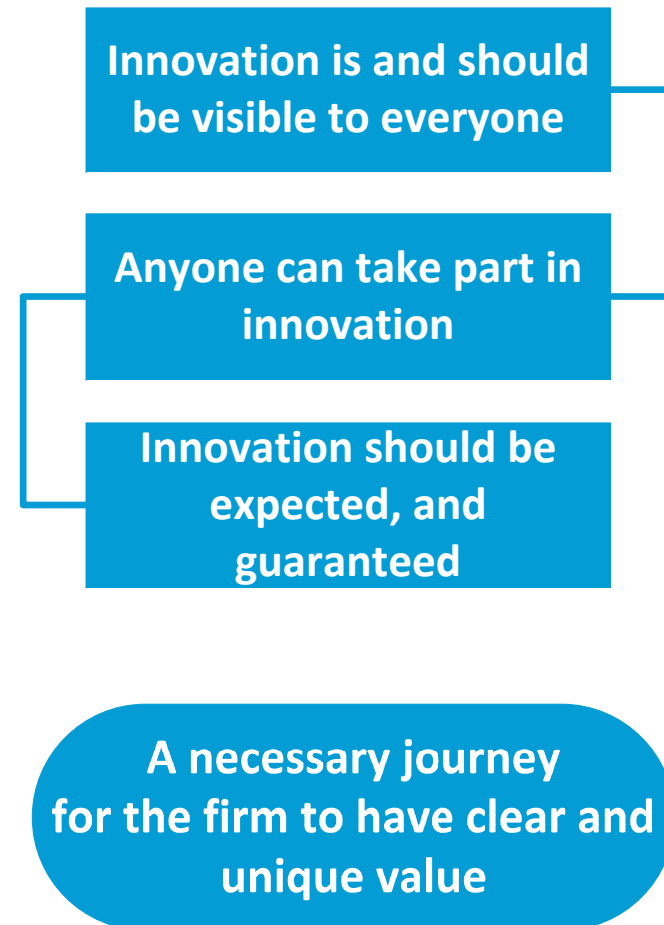
Sukumar Pathmanandavel
Group Executive
Geotechnics & Mining



- Should consultants innovate?
- Example of innovation in consulting
- Opportunities for collaboration between researchers & consultants
- Challenge for the geotechnical profession

Innovation in consulting means ...

- Incorporating new ideas into existing processes
- Each consultancy finds its balance between rewards of offering unique value and risk of failure



- Should consultants innovate?
- **Example of innovation in consulting**
- Opportunities for collaboration between researchers & consultants
- Challenge for the geotechnical profession

Major flooding in NSW, Australia, 2013



Innovative flood strategy

- The site is a low lying flood prone area with very deep and very soft soils



Innovative flood strategy

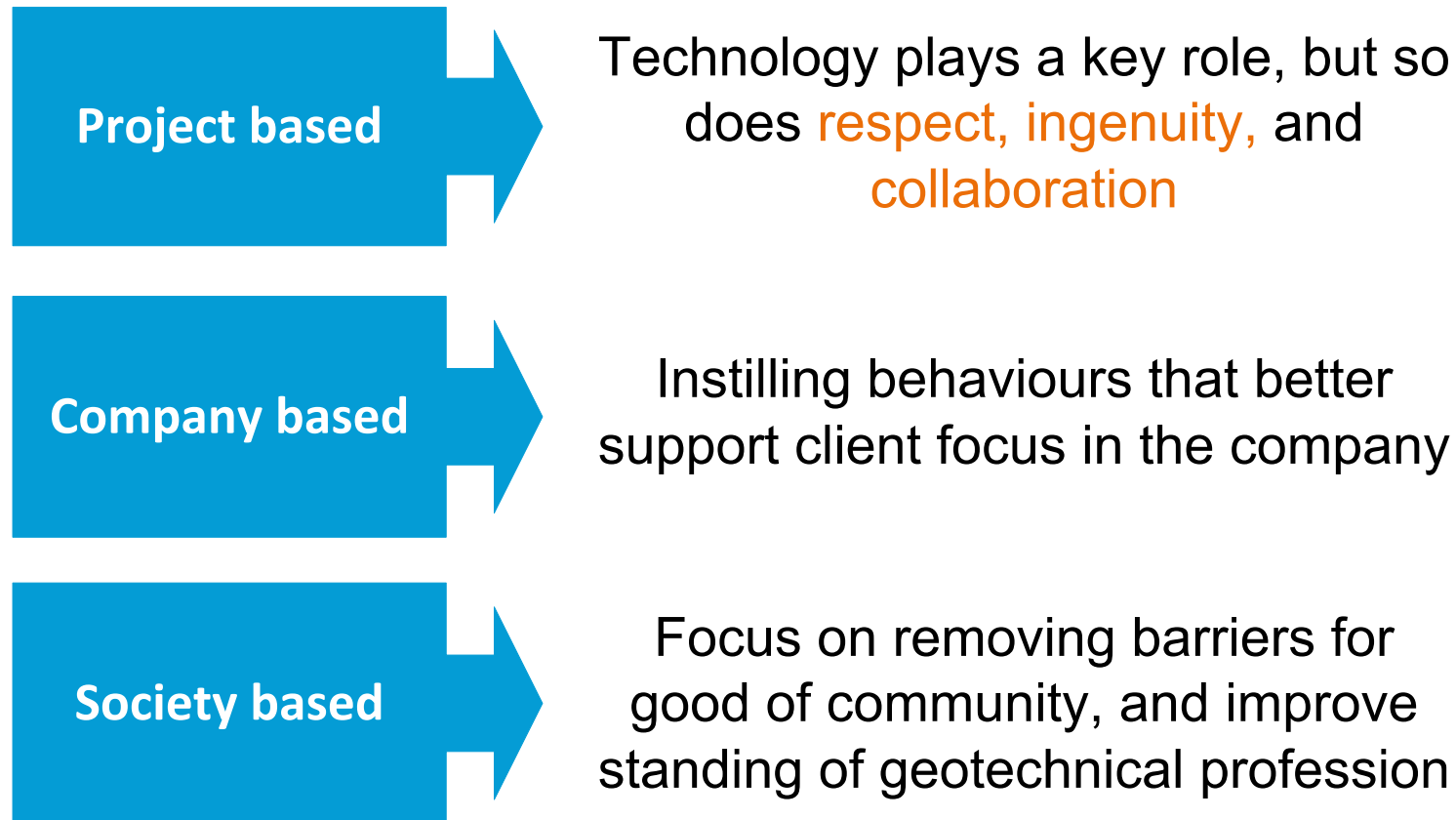
- Construction period reduced by **6 months**, and **reduced cost**.
- Achieved by building the working platforms for bridges and embankments for abutments without leaving flood gaps.
- Flood mitigation provided through the provision of 2 x D10 bulldozers on standby.



Should consultants innovate?

- Innovation is defined by the client
- Innovation is essential for consultants to maintain brand, attract clients and retain staff
- Innovation requires collaboration between all parties

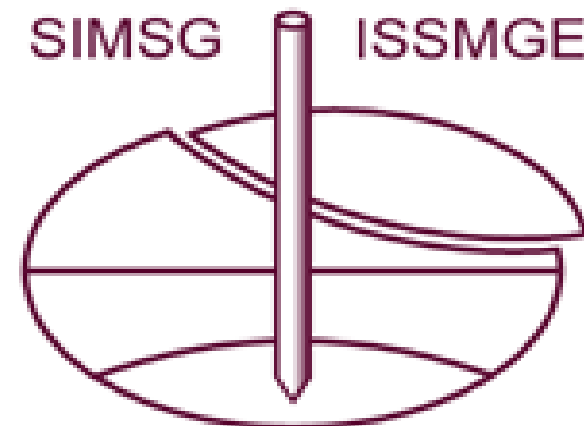
- Should consultants innovate?
- Example of innovation in consulting
- **Opportunities for collaboration between researchers & consultants**
- Challenge for the geotechnical profession



Innovation requires collaboration

How do we achieve better **interaction & collaboration** between

- Clients (asset owners)
- Contractors
- Consultants
- Researchers



CAPG

Corporate Associates Presidential Group

Leaders
who think
for themselves
and act
for each
other

Thank You.

