

**CallaghanInnovation**

# Accelerating Innovation

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**13 March 2015**

# **This presentation will cover:**

- **The collaborative nature of the innovation system**
- **The role of Callaghan Innovation**
- **Building a relationship with India**

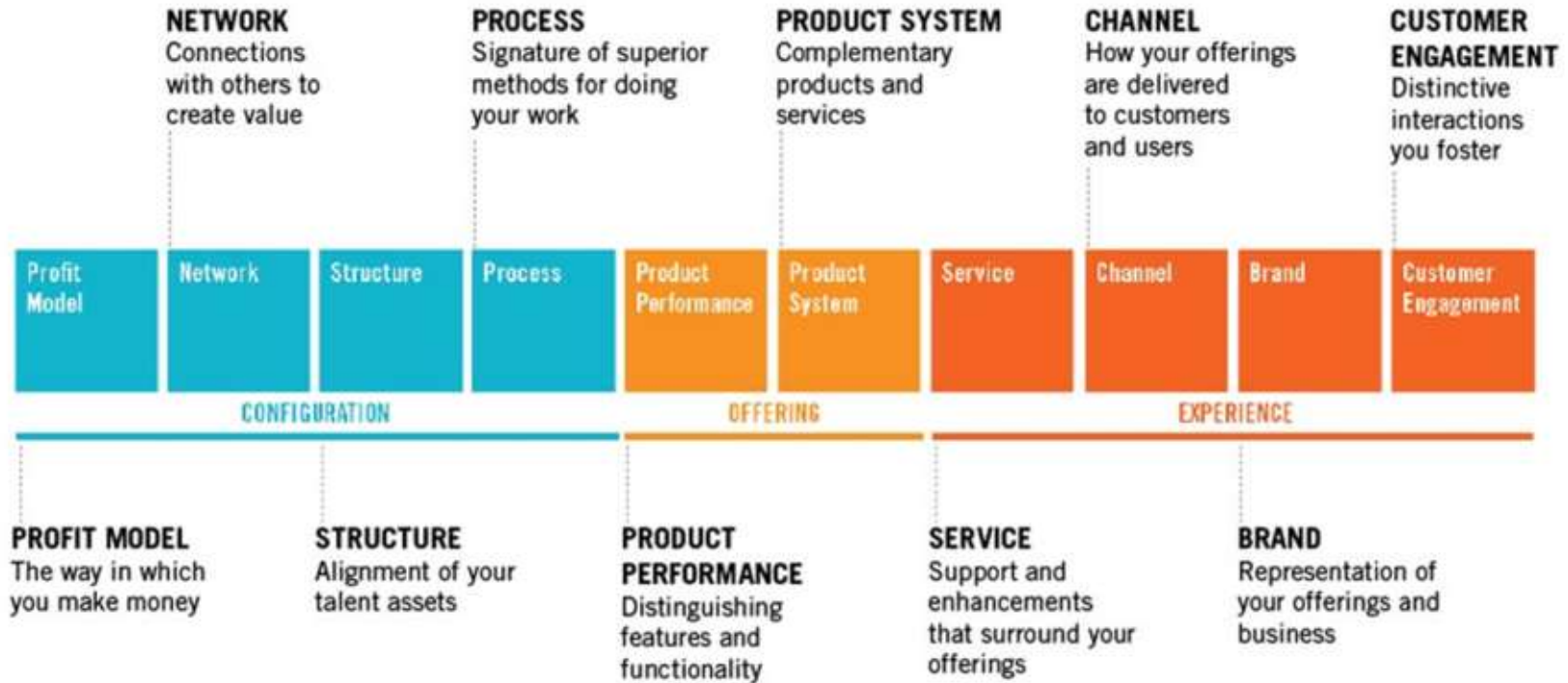






# There are many ways to look at innovation

Figure 5. Ten Types of Innovation®



Source: Larry Keeley, Ryan Pikkell, Brian Quinn, and Helen Walters, *Ten Types of Innovation: The Discipline of Building Breakthroughs* (Hoboken, New Jersey: John Wiley & Sons, 2013).

Graphic: [Doblin.com/TenTypes](http://Doblin.com/TenTypes)

# We share many innovation challenges

- **Scalability**
- **Valley of death**
- **Commercialisation**
- **Entrepreneurial culture**
- **IP ownership and protection**
- **Resources: capital, talent, facilities**
- **Market connectedness and distribution**
- **Community: Ecosystem and infrastructure**

# New Zealand's economic challenge

- Expand high value manufacturing and services sector of the economy
- Increase business investment in research & development (BERD)
- Grow the scale of our international businesses
- Increase the share of exports in GDP
- Raise productivity

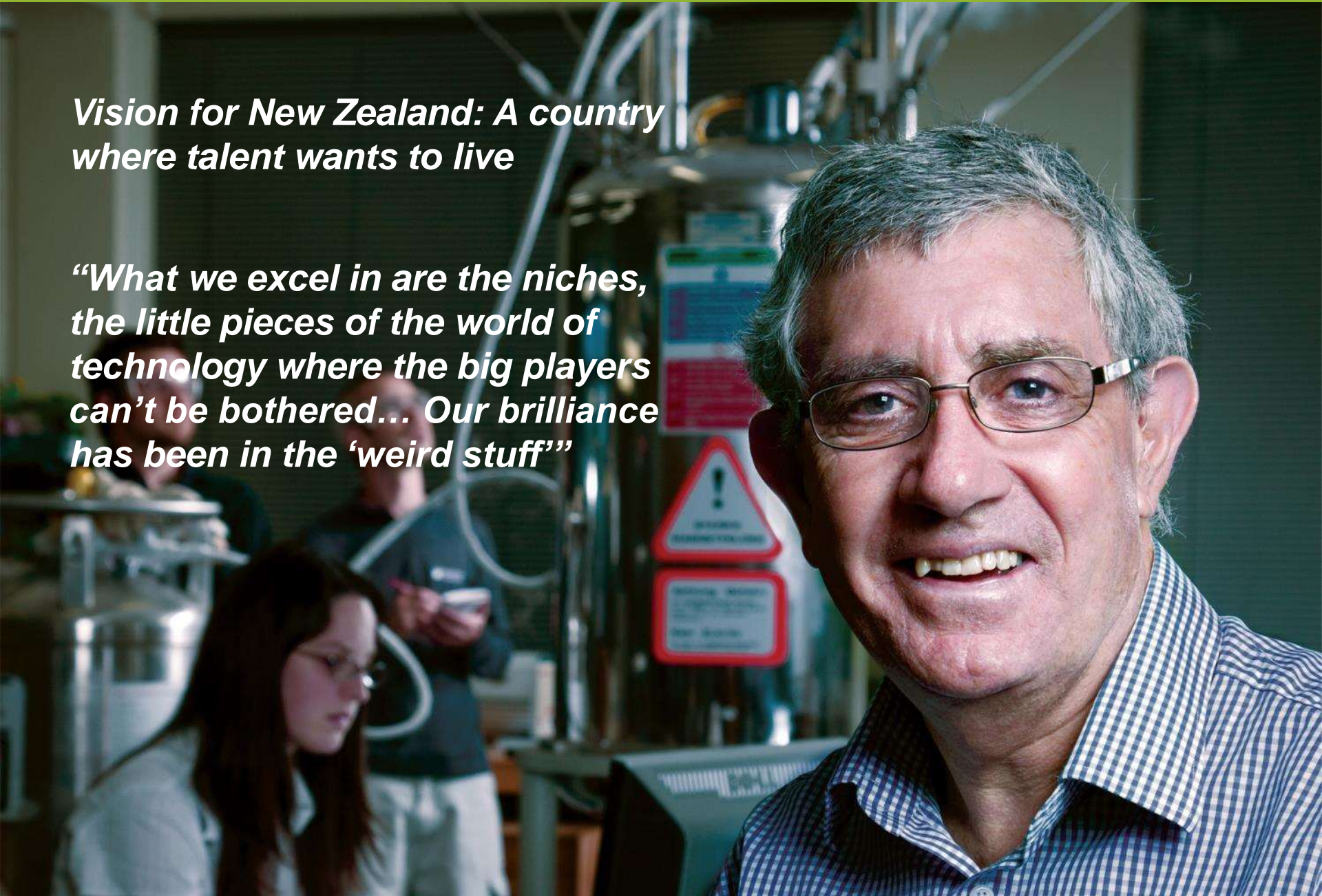




# Sir Paul Callaghan (1947 – 2012)

*Vision for New Zealand: A country where talent wants to live*

*“What we excel in are the niches, the little pieces of the world of technology where the big players can’t be bothered... Our brilliance has been in the ‘weird stuff’”*





A photograph of two men in business attire (light blue shirts and ties) looking intently at a whiteboard. The whiteboard is covered in various diagrams, including flowcharts, a person icon, and a clock icon. The man on the right is pointing at the board with his right hand. The background is slightly blurred, focusing attention on the men and the whiteboard.

# The mission

Accelerate the commercialisation of innovation by businesses in New Zealand

Callaghan**Innovation**

# Callaghan Innovation at a glance

- Crown entity launched 1 February 2013
- Independent governance, reporting to Minister of Science and Innovation
- 390 staff
- Location:  
*Auckland, Wellington and Christchurch*
- Budget:  
*\$100 million operational budget*  
*\$142 million investment budget*  
*\$242 million*





*We assist New Zealand businesses to succeed through:*

### Product and Technology Planning

Help you plan future products and identify the technologies you will need

### Business Collaborations

Include you in technology delegations and collaborative innovation projects

### Innovation Skills

Help build your in-house innovation skills and capacity

### Product Development

Deliver your product development R&D – at our place or yours

### Access to Experts

Help you find the right expertise

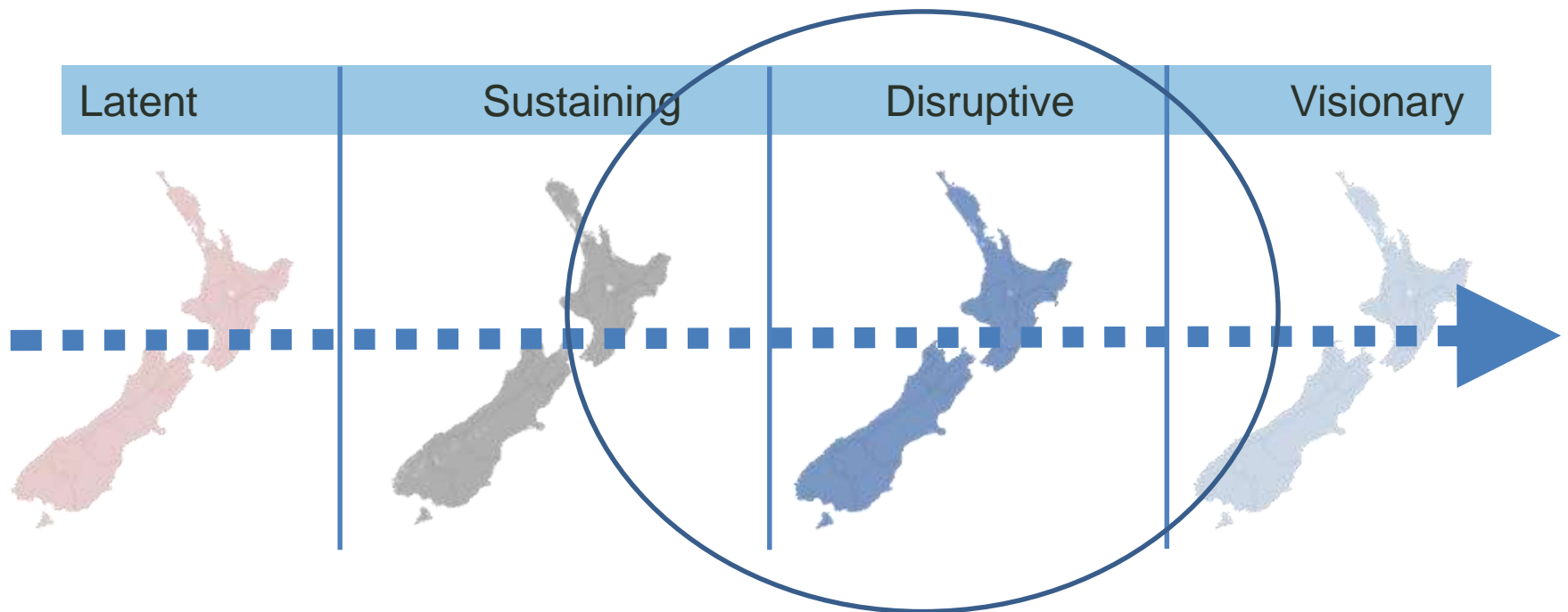
### Grants

Lower the risk and cost of your R&D programme with grants

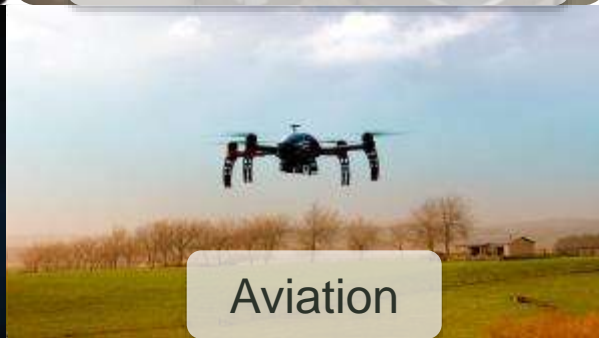
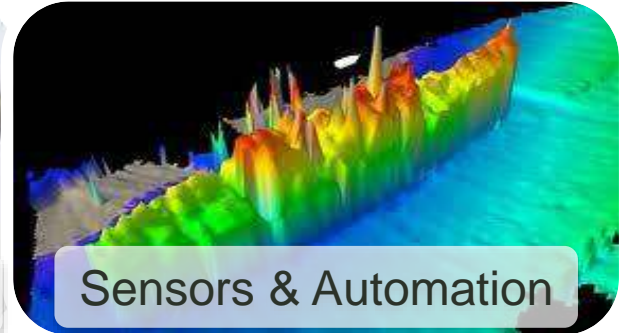
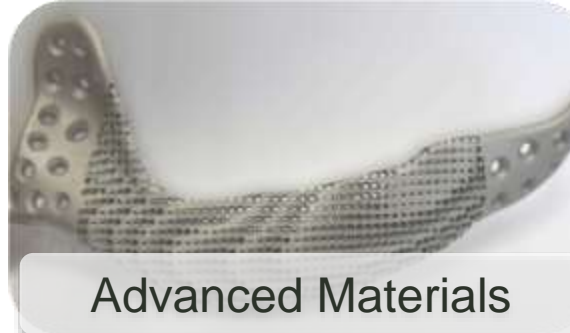


# We focus on disruptive innovation

Shift the centre of gravity of NZ businesses to the disruptive portion of the innovation spectrum



# “We will be good at what we’re good at”



# Building international connections

- Link innovation systems
- Platform for companies
- Best practice

**Strategic  
Partnerships**

**Advice and  
support**

- NZ Inc initiatives
- International trends
- Receive delegations
- Attract R&D investment

- Facilities and technology
- Innovation missions
- Visiting experts
- Introductions
- Networks
- Events

**International connections  
for NZ businesses**

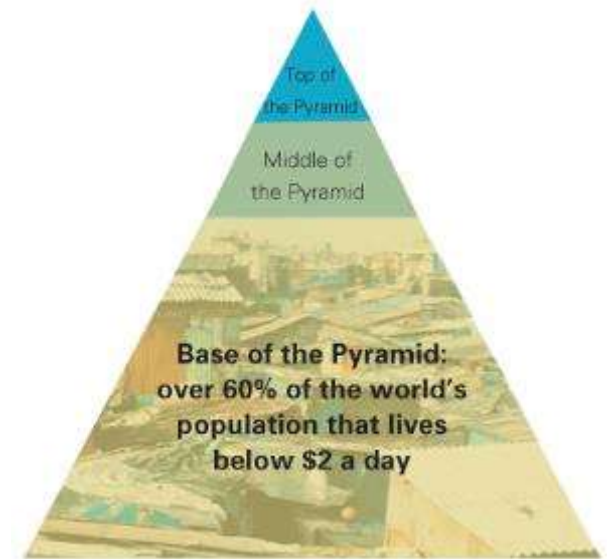


# Opportunities for New Zealand in India



# The market at the bottom of the pyramid

- Price and performance
- Conserve resources; labour intensive
- Look at functionality rather than form
- Process is just as important as distribution
- De-skilling: easy to use in a hostile environment
- Innovation: hybrid solutions that are scalable and mobile
- Very demanding customers, but not much money to spend



# Agreement on co-operation

## Protocol for Cooperation on Science and Innovation – June 2011

- India: Department of Science & Technology (DST)
- NZ: Ministry of Business, Innovation & Employment (MBIE)

## Workshops

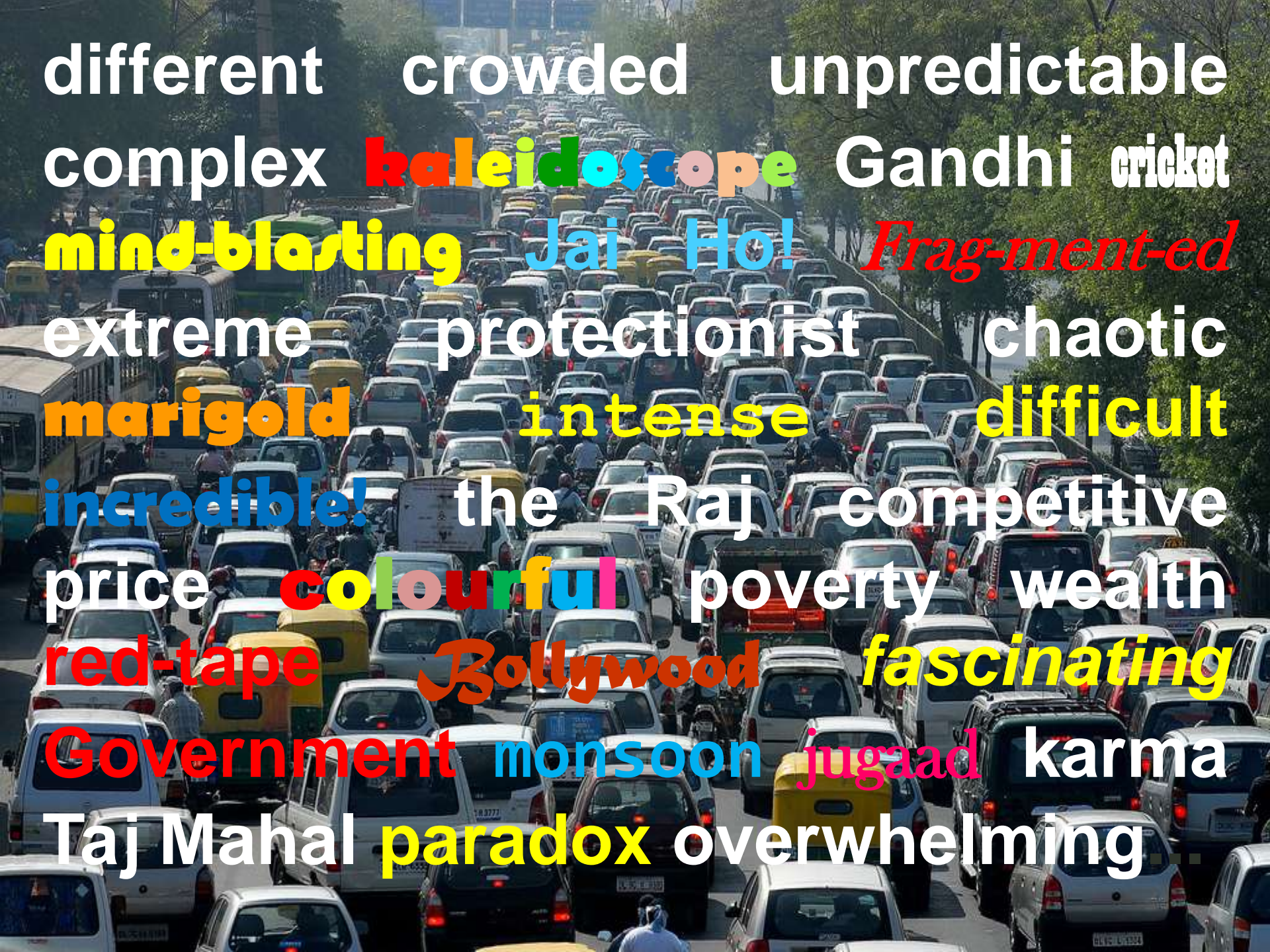
- Agricultural Production and Food, 2011
- Food and Agri-technologies, 2012
- Natural Hazards & Resilient Cities, Dec 2014
- Post-harvest Technologies & Food Processing, June 2015

## Research projects, 2013-15

- “Developing probiotic foods for India” – Massey / NDRI
- “Development of anti-oxidant efficacy assays” – Otago / Shoolini University

The next India/NZ Joint Commission Meeting will be in mid to late 2015





different crowded unpredictable

complex kaleidoscope Gandhi cricket

mind-blasting Jai Ho! *Frag-ment-ed*

extreme protectionist chaotic

marigold intense difficult

incredible! the Raj competitive

price colourful poverty wealth

red-tape Bollywood *fascinating*

Government monsoon jugaad karma

Taj Mahal paradox overwhelming



*Rukuhia te wāhi ngaro  
hei maunga tātai whetū*

