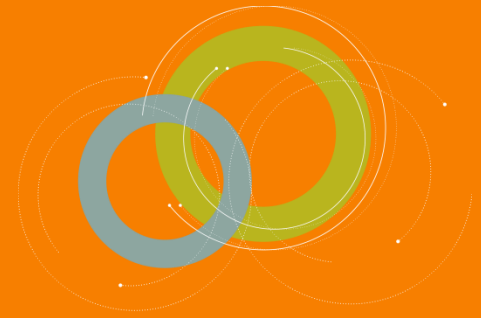


# State Highway H&S Programme



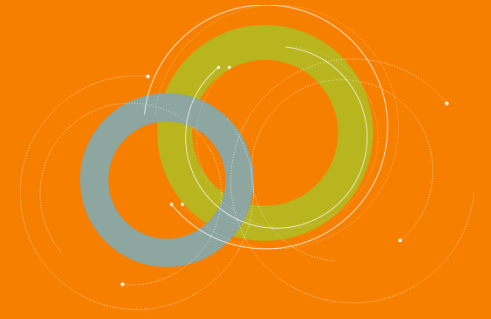
Prepared by James Mear, State Highway H&S Programme Manager, NZ Transport Agency



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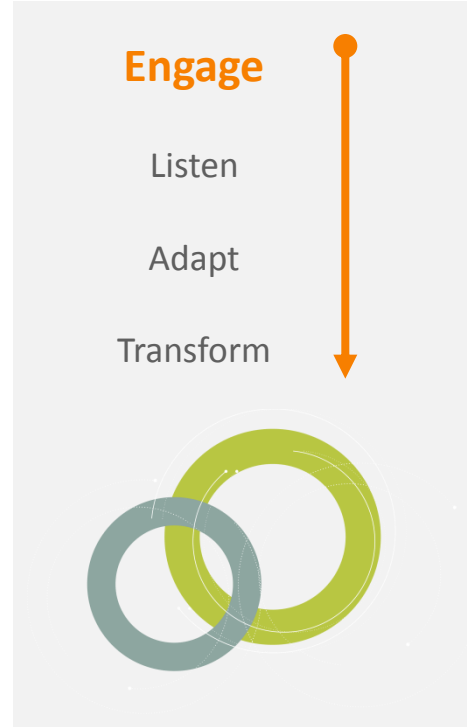
# The Trigger



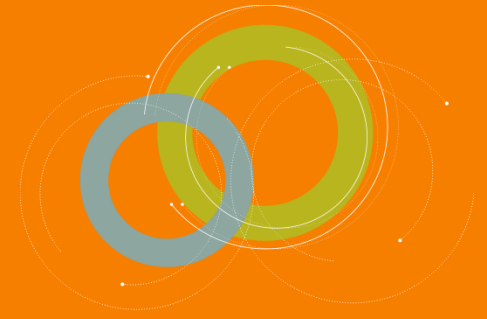
## The triggers - Pike River Disaster



The Death of 29 People



# The big picture



8

You are eight times more likely to die on a NZ worksite than the UK

8

Eight fatalities on NZ construction sites during 2012

54

The fatalities on NZ construction sites between 2007 & 2012

Engage

Listen

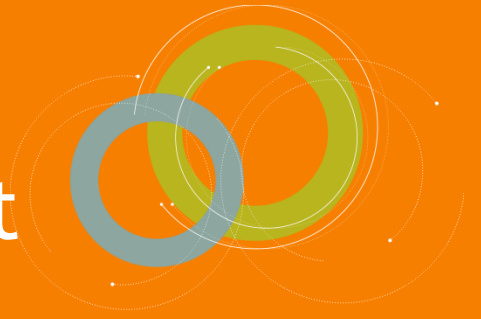
Adapt

Transform



# The big picture

## 2012 Principal to Contract



**28M**

28 Million man hours worked on NZTA sites between June '11 & '12

**62 LTI's**

Either a death, permanent disability or time off work

**8583 NM**

Near misses on our contracts

**Engage**

Listen

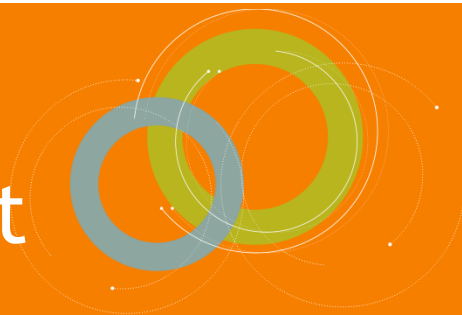
Adapt

Transform



# The big picture

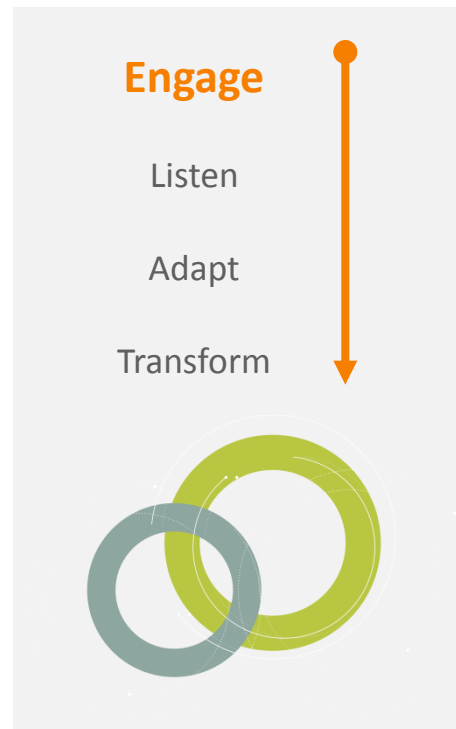
## The changing environment



25%  
reduction  
by 2020



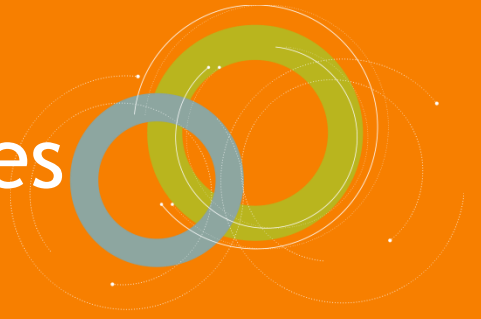
Te Kaporeihana Āwhina Hunga Whara



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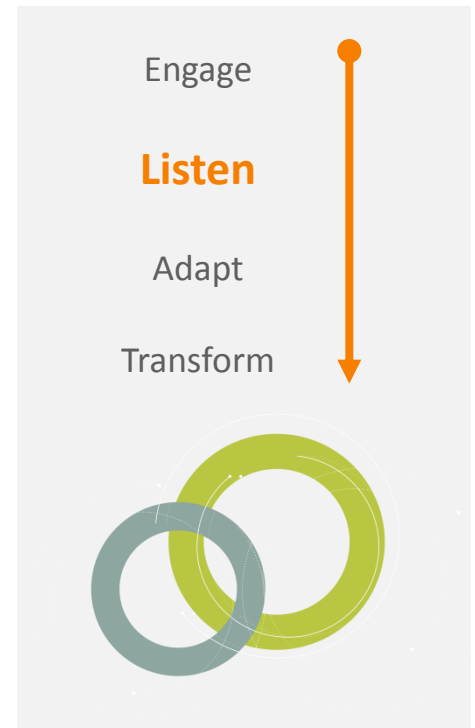
New Zealand Government

# Working from first Principles

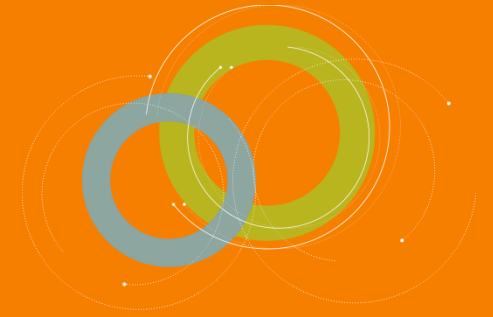


## What is it?

- A partnership between NZTA & Suppliers.
- A collective interest to satisfy the NZTA's obligation as Principal to Contract under the HSE Act 1992
- Ensure what we practice is consistent across NZ and across our sector.



# Collaboration

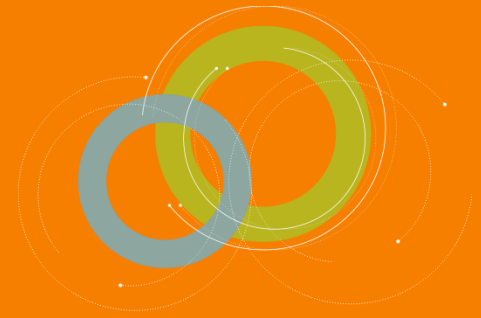


## What is the purpose?

- Industry - leads safety at the workplace
- The NZTA - leads safety in its business
- Leadership component with focus on non-traditional areas and behaviours



# A culture change through partnership



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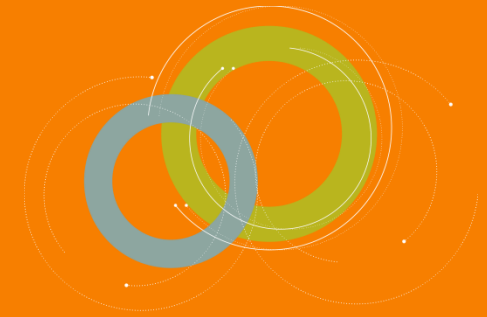


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# What does the form & function look like?



The Leadership forum

- Leadership
- Sponsor Programme



The Working Group (PMO)

- Sponsor Projects
- Create and Manage Programme.

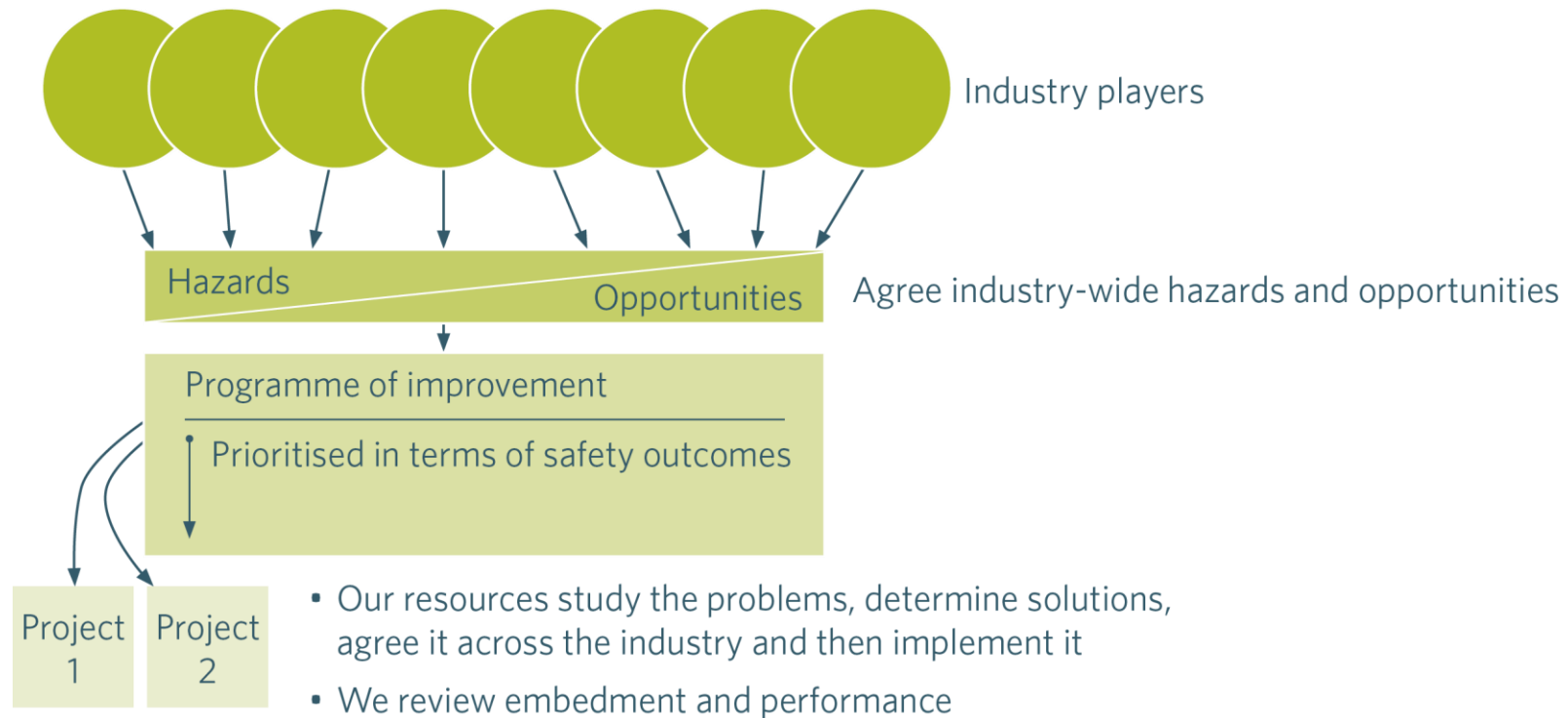
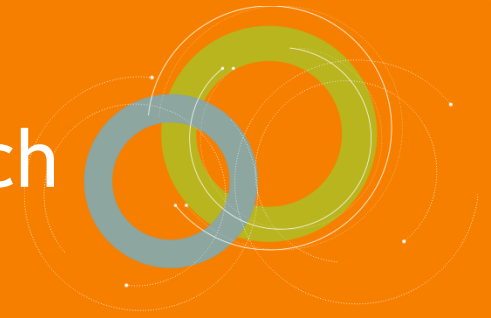


The Project Managers

- Act as PM Lead for identified Projects
- Company representation to help create future environment.

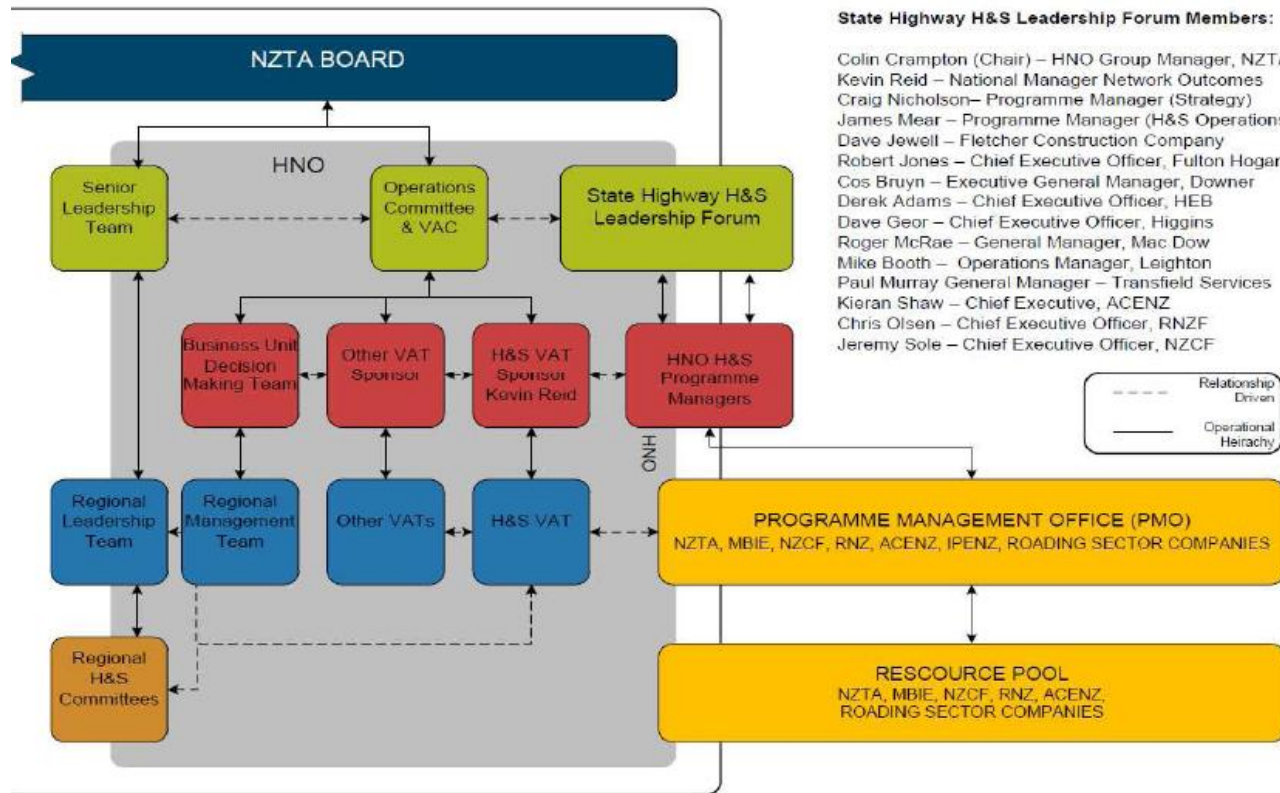
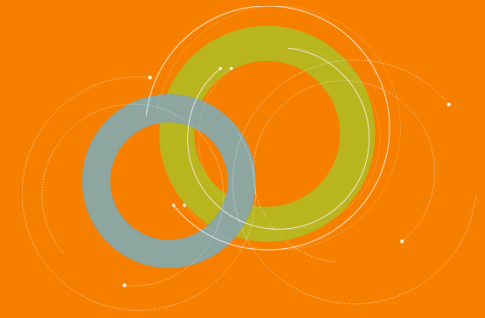


# Hazards and opportunities approach

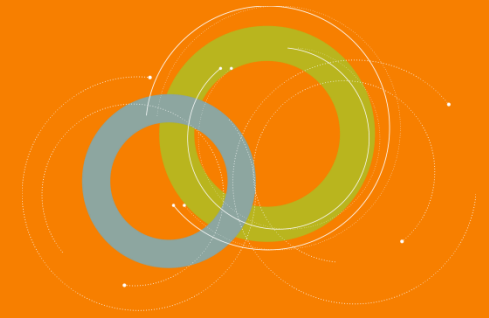


# What does good look like?

## Structure



# Safety in Design for the State Highway



Engage

Listen

**Adapt**

Transform



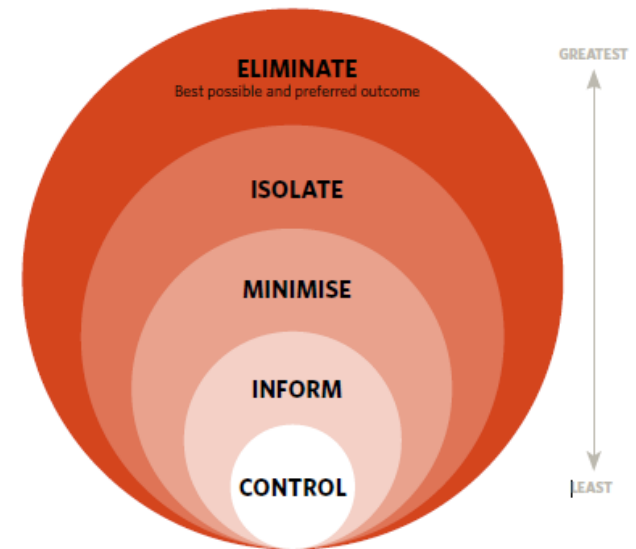
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# What is Safety in Design?

A process that:

- integrates hazard identification and risk assessment methods early in the design process
- considers how to eliminate, isolate or minimise the risks of injury and ill health to those who will construct, operate, maintain, decommission or demolish an asset
- **Identifies hazards that can be designed out**



# Why NZTA wants to use Safety in Design

- To reduce the risk of directly, or indirectly, causing harm to people throughout the lifecycle of an asset
- To continually challenge and improve designs
- Designers have a duty of care to create safe places to live and work
- Changes early in the design stage are more cost effective and make good financial sense
- Considering the interests of different parties in an asset results in better health and safety outcomes



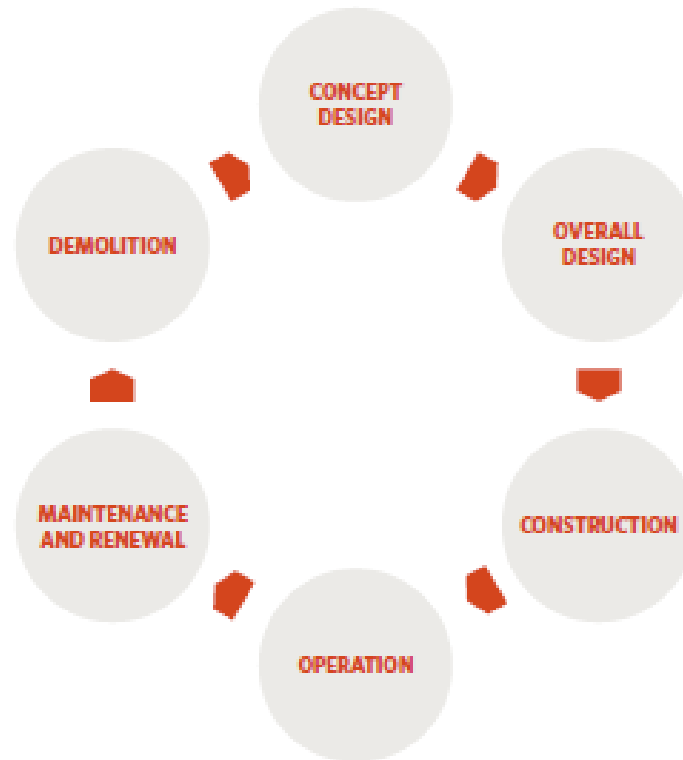
# Principles of Safety in Design

The key elements that impact on achieving SID are:

- Effective collaboration to identify project risks
- Involves those responsible for design decisions
- Applies to every stage of the project lifecycle
- Follows a systematic risk based approach
- Requires safe design knowledge and capability
- Results in effective information transfer



# The project lifecycle



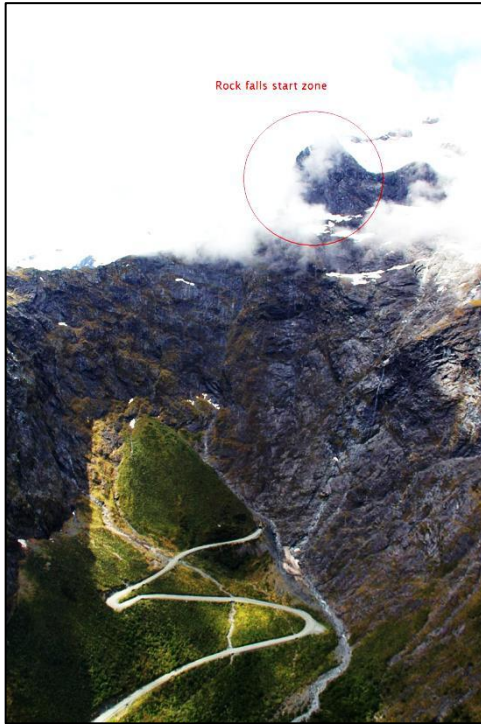
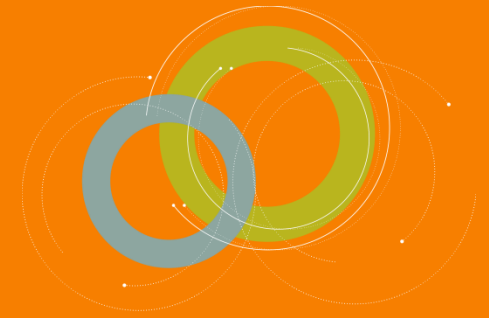


# The State Highway Health & Safety PMO Landing Pad

- The SHHSLF identified SID as an area where designers could proactively influence H&S outcomes
- ACENZ formed a Working Group to develop a guideline (based on consultant guides, SCIRT, ConsultAustralia, CDM, etc)
- Initial draft guide circulated to ACENZ members, NZTA, HS PMO, etc for feedback
- Draft updated and ready to be issued as an 'Interim Guide' for use on projects



# Initial success No.1 Safety in Design



Engage

Listen

**Adapt**

Transform



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# Current Challenges

- Social acceptance
- Procurement
- Measuring success
- Developing Competent Facilitators

