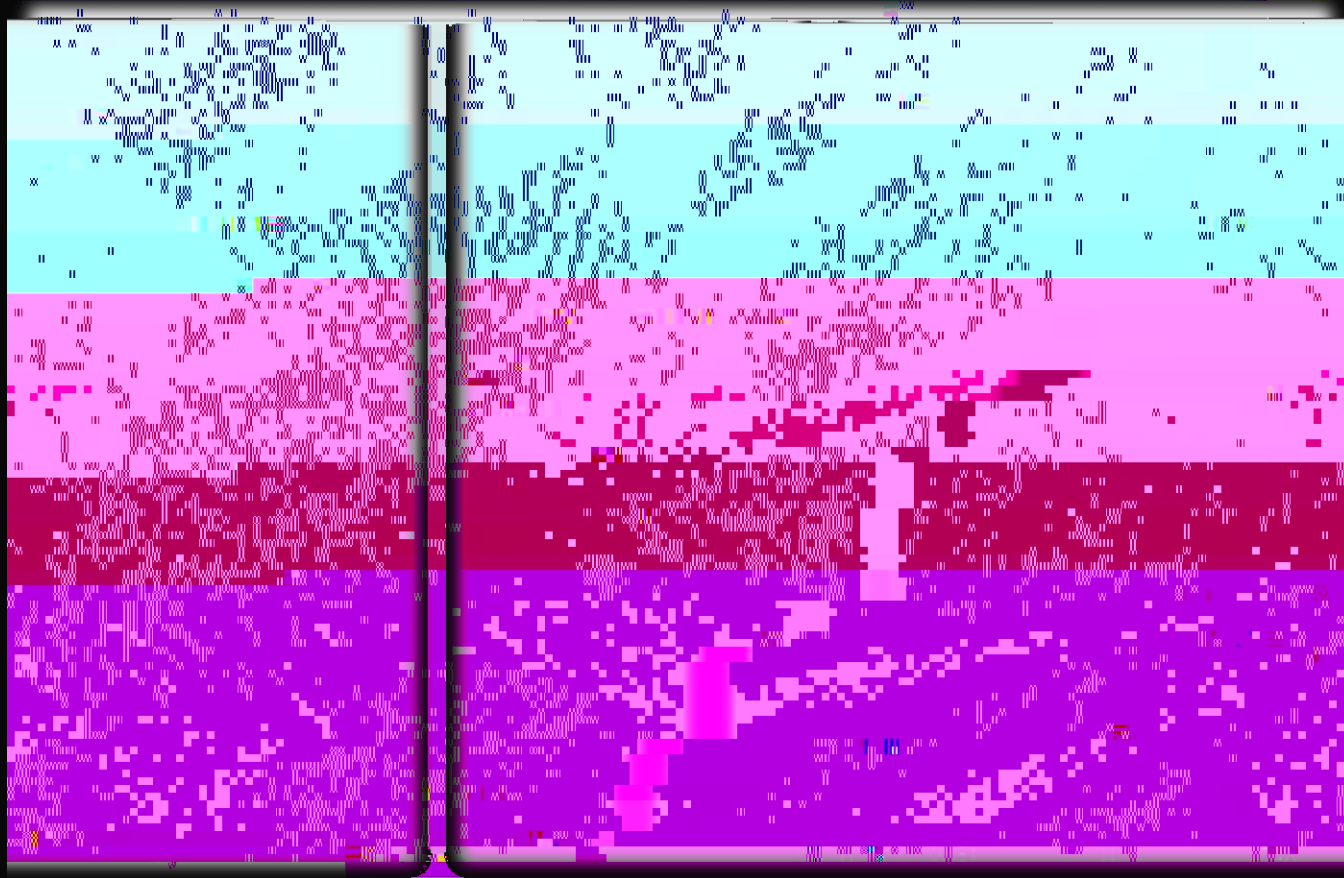


# Climate change adaptation through community engagement in Yorke and Mid North region in South Australia



Chan Panditharatne

12<sup>th</sup> Australian Climate Change Adaptation Research Network for Settlements and Infrastructure  
Workshop, Adelaide. 26 - 28 September 2016

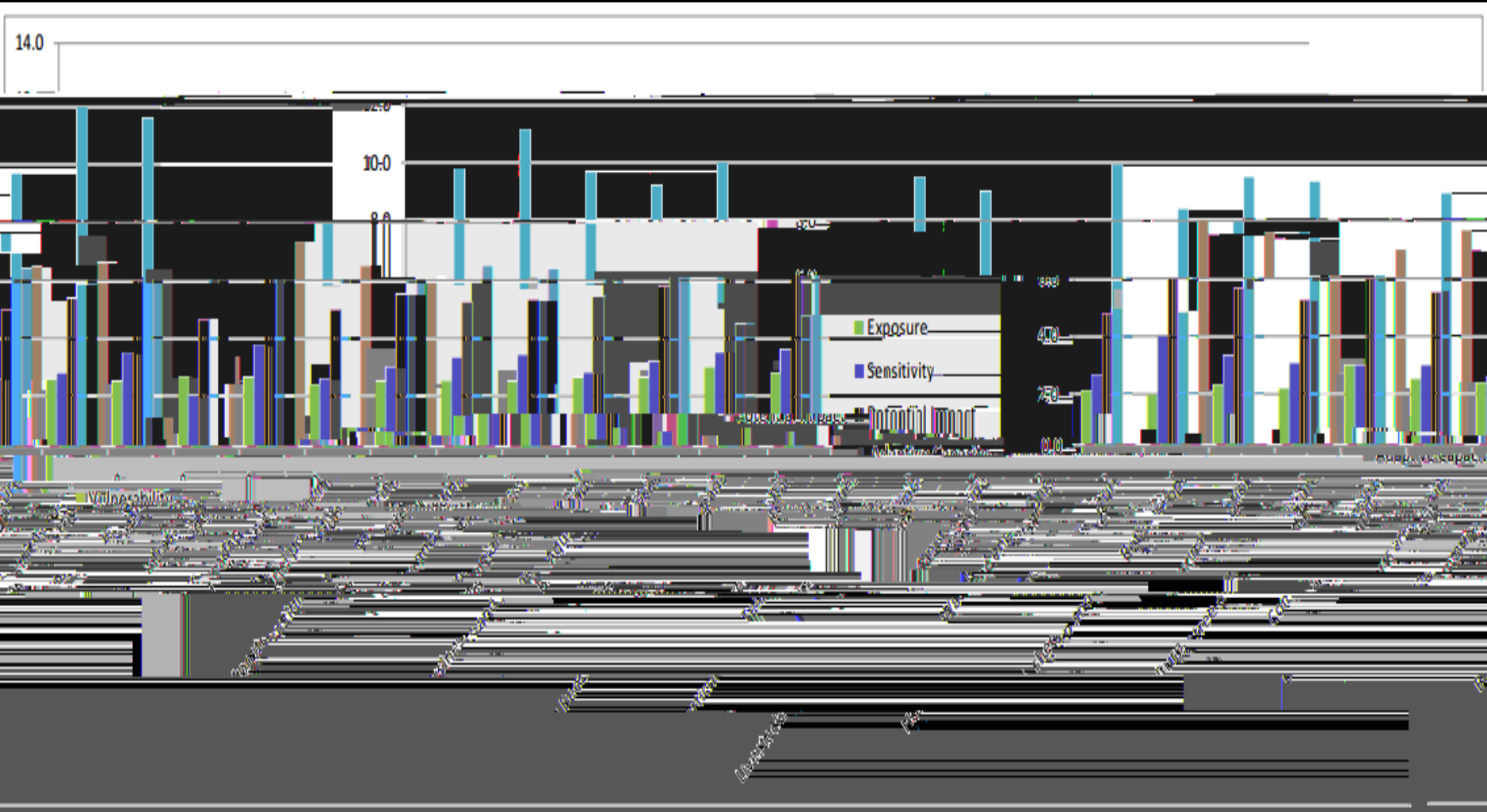
# Yorke and Mid North Region



Source: RDA Y & MN Region

<http://www.yorkeandmidnorth.com.au/uploads/files/RDA%20Local%20Government%20Boundaries%20Map.pdf>

# Infrastructure vulnerability in Y & MN region



Source: Central Local Government Region of South Australia, 2008: 32

# Low adaptive capacity

Factors affecting the coping ability of communities and inhibit adaptation:

High vulnerability (age, illness, socio-economic disadvantage, housing conditions, air conditioning, occupation, etc),

Low Independence (experience, behaviour, awareness)

Tendency for social isolation and reduced wellbeing (inaccessibility of social support, lack of education, inability to engage in sports and other social activities).

(Williams, Peng, Newbury, Robinson et al 2013)



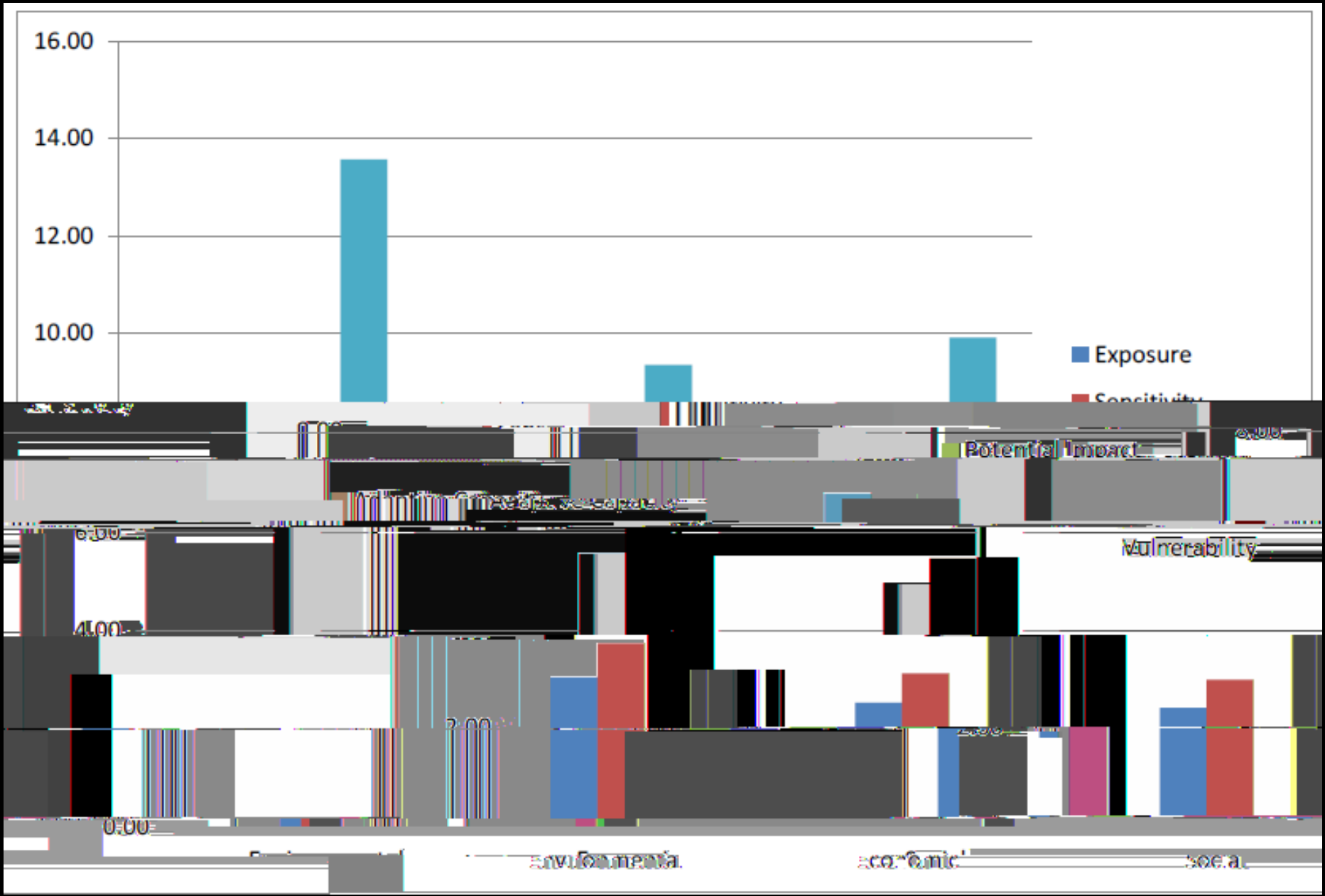
# 2008 RISK LEVELS

## Risk Level Mapped Against Council Area for Identified Hazards



**Risk levels of different Local Government areas in Yorke and Mid North Region**

Source: Central Local Government Region of South Australia, 2008: 9



Vulnerability assessment for the year 2030: environmental, social and economic dimensions in the region  
 Source: Central Government vulnerability Assessment (2012:18)

2019

2019

2019

2019

Social Capital

Physical Capital

Academic

Capacity

Natural Capital

Human Capital

2019

2019



# Yorke and Mid North Climate Change Adaptation Action Plan

## Community Development and Emergency Management

- Prepare and implement a climate change community engagement strategy for the region.



Source:  
<http://www.yorkeandmidnorth.com.au/uploads/files/Yorke20and20Mid20North20Adaptation20Plan20FINAL.pdf>



# Community Engagement Strategy: Needs

A common message

Better collaboration among stakeholders

Better defined roles and responsibilities

A

# A common message

A common understanding of the problem

Clare and Gilbert Valley Council works with 22 community groups at grass roots level, called Peak Bodies

A mutually accepted approach to solve

Identify common grounds

# Better defined roles and responsibilities

Natural resources

Drought

Coastal erosion mitigation

Eg: Yorke Peninsula Council Mayor Ray Agnew said the state government should contribute

" The state government are not prepared to put something into it, even though it's their responsibility" \*

Heatwaves and other climate variability

Disaster risk reduction

Emergency management: SES vs

Infrastructure

# Better collaboration among stakeholders

Highly place-based, context specific nature of climate change impacts

Need to identify 'communities of practice' when resolving shared problems (Lave and Wenger, 1991; Wenger et al, 2002)

# Collective Action

Collective action and shared responsibility:

Political leaders, government, businesses, community leaders, service providers and individuals

Contribute in an integrated and coordinated manner, in adapting to climate change impacts.

Equip stakeholders to be aware, engaged and empowered to act collectively

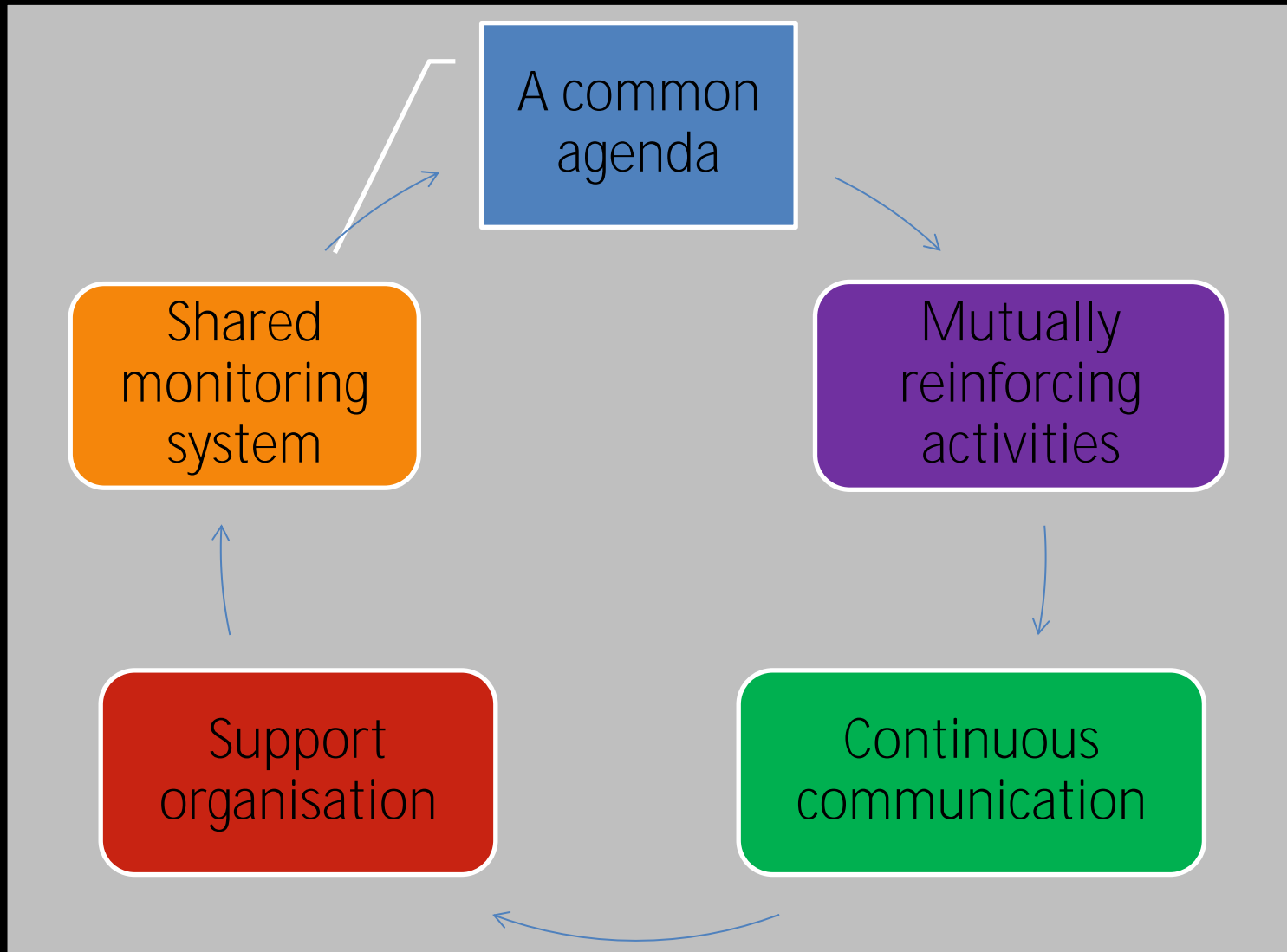
Platform for info sharing

Innovative technologies

A neutral platform to engage

Common systems for reporting performance and measuring outcomes

# Collective Impact Model



**The Collective Impact Model for the Community Engagement Strategy**

Source: Based on Kania and Kramer (2011)

Condition	Required components
A common agenda	<ul style="list-style-type: none"><li>An understanding of all aspects of the issue</li><li>A shared vision of what the future needs to be</li><li>A common understanding of the change required</li><li>Joint approach in reaching the future envisioned, through agreed set of action</li></ul>
Mutually reinforcing activities	



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Established 2014

Managed by the Central Local Government Region of Councils, Regional Development Australia Yorke and Mid North and the Northern and Yorke Natural Resources Management Board.

Partners: Flinders University, the Ag Excellence Alliance, Clean Energy Council, South Australian Research and Development Institute, University of Adelaide, University of South Australia and University College London Australia

