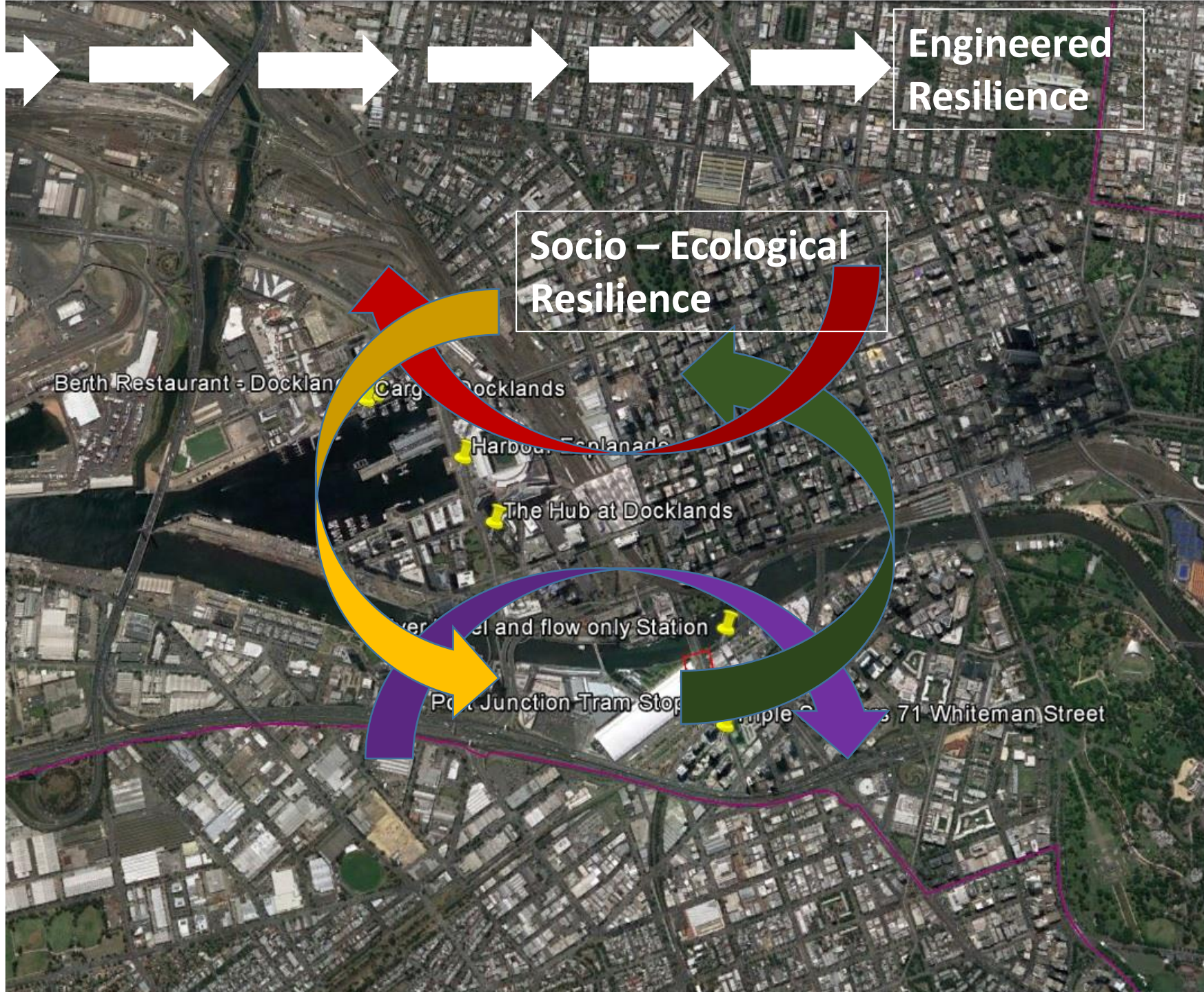


**Linear
Assumptions**



**Engineered
Resilience**

**Socio – Ecological
Resilience**



**Ruth Beilin &
Alan March
University of Melbourne**

Storm Surge

Rain Flooding

Sea Level Rise

“Fixed” Hard
Infrastructure

Dynamic Change

Institutional
Structures

Practice Disciplines

Mismatched
expectations

Personal, business and
political connections



Upstream
flows and
practices

Transformation?

Ducklands

South Star

Southbank

Institutional Context & Limitations of Shared Responsibility?

The risks faced by a community can also directly impact those responsible for delivering core capabilities. The whole of community approach and the principle of enhancing partnerships and shared responsibilities will ensure our ability to reduce emergency impacts is maximised (EMV 2016).

Implications:

- **Limits** to ability and requirement of agencies protecting and enhancing risks to community
- Retains **community of practices** that focus on improving risks within the terms of existing capabilities and responsibility



Resilience as: **Shared Responsibility**
with
Social-Eco Resilience
+
Engineered and Planned Resilience
via
Communities of Place

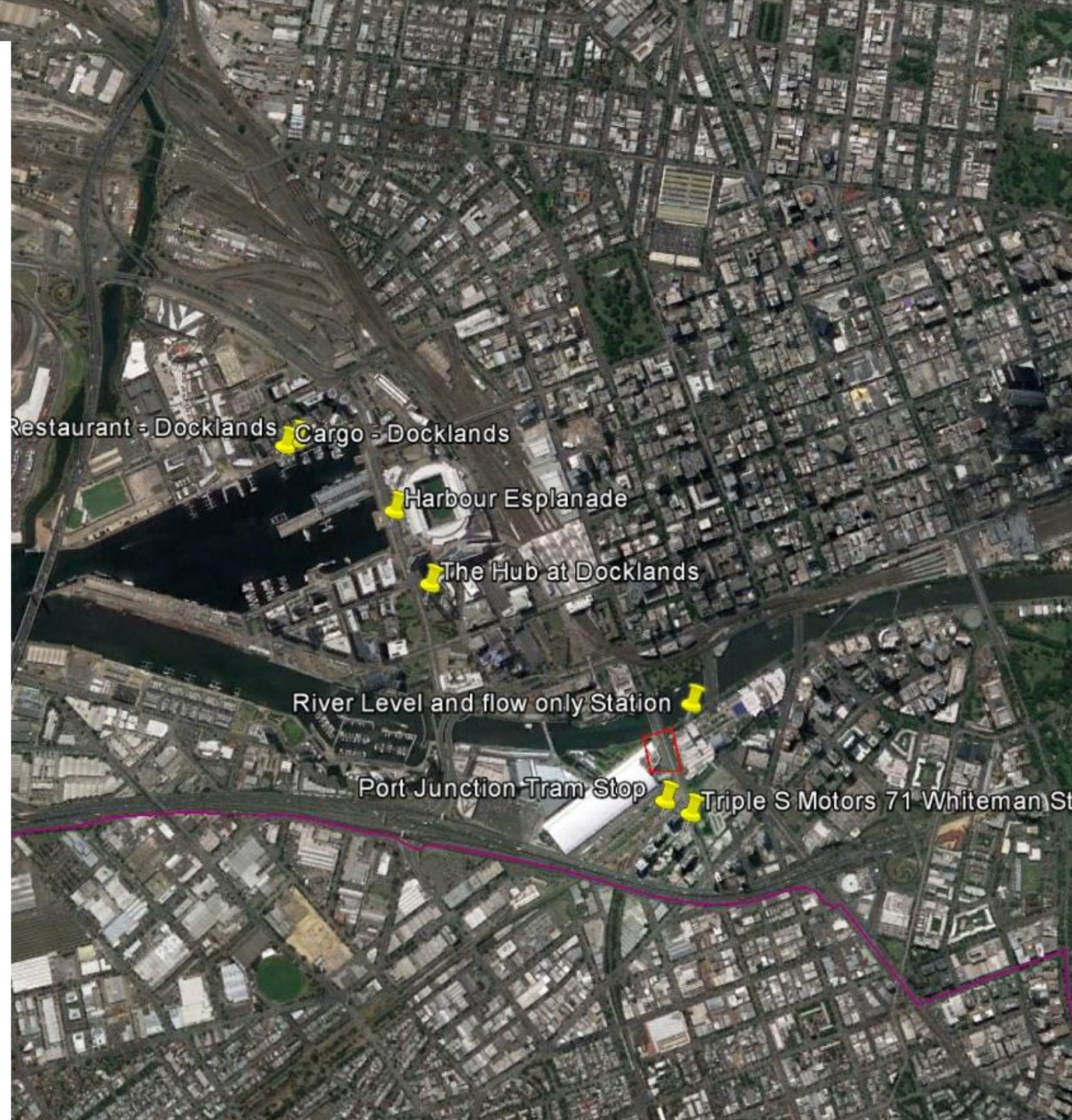
Scope - Are we focusing on the right things?
Integrating physical and regulated systems with
ecological strategic and regulatory systems,
including Climate Change

Learning

Using experience and evidence to improve...
Re-skilling professionals, government and public

Strategy

Modifying Systems to Transform
Re-forming scales and Different Practices
Disrupting Dominant Pradigms



Key Projects – Alan March

Improving Resilience Education for Built Environment Professionals (Learning & Teaching Grant)

Integrating Emergency Risk Management with Urban Planning (BNH CRC)

Reducing Bushfire Risks: Improving Spatialisation and Early Detection of Arson (CrimeStoppers, Vic Police, ARC)

Student Vulnerability in Melbourne's CBD High Rise (University of Melbourne Engagement Grant)

Design Parameters to Live in a Bushfire Adapted Dwelling and Landscape (NDRGS)

Improving Design for Wildfire Risks in Chile (Bio Bio University, Concepcion)





Exploring the construction of memory and place in repeat disaster landscapes: transforming shared responsibility and community resilience as concepts into practice (partners Emergency Management Victoria, Dept of Environment, Community Fire Authority, Tasmanian Fire Service)

Spatial Planning and Changing Landscapes: integrating policy overlays in peri-urban Victoria, Australia (partners were 7 municipal governments north of City of Melbourne)

Risk and Resilience in Emergency Management : impacts on community resilience (Paschen and Beilin)

Risk, resilience and response-able practice in changing landscapes (Beilin and Paschen)