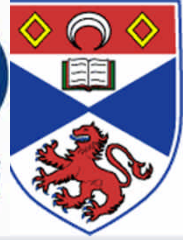




FORTH
ESTUARY
FORUM



Planning and Management of the Forth Estuary: How can we measure success?

Dr Tim Stojanovic

University of St Andrews

School of Geography and Geoscience

Scottish Oceans Institute/Sustainability Institute

Forth Estuary Forum Annual Conference 2012

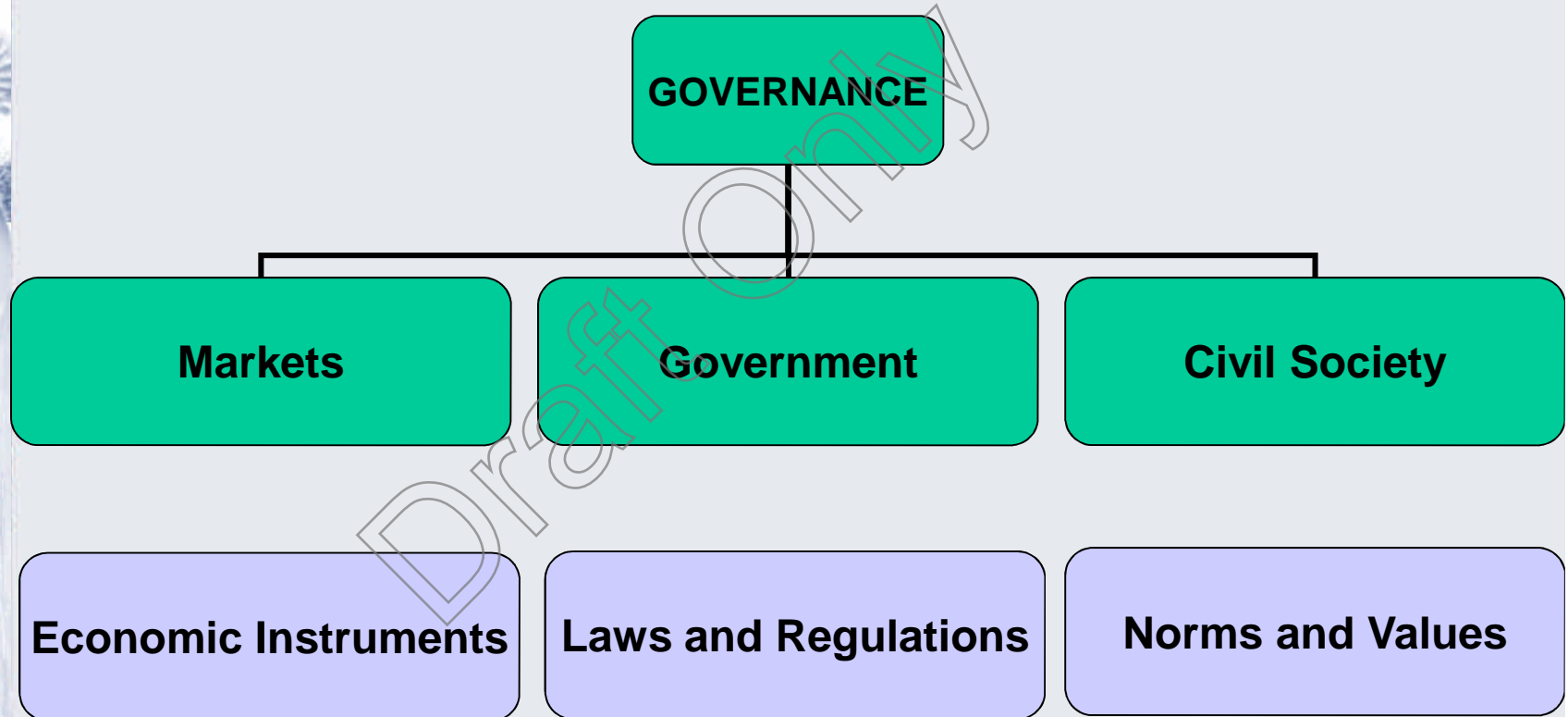
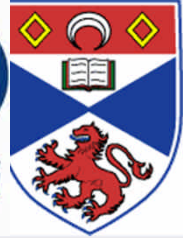
Overview



1. How has the Governance System responded to change?
2. Developing a Governance Baseline?
3. Building on the current initiative
 - A way forward in the age of marine planning

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Governance





How has the governance system responded to change?

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Long term change in Uses



-1950s Naval docks,
Fishing, Ports and
Industry

1960/70s Oil and Gas

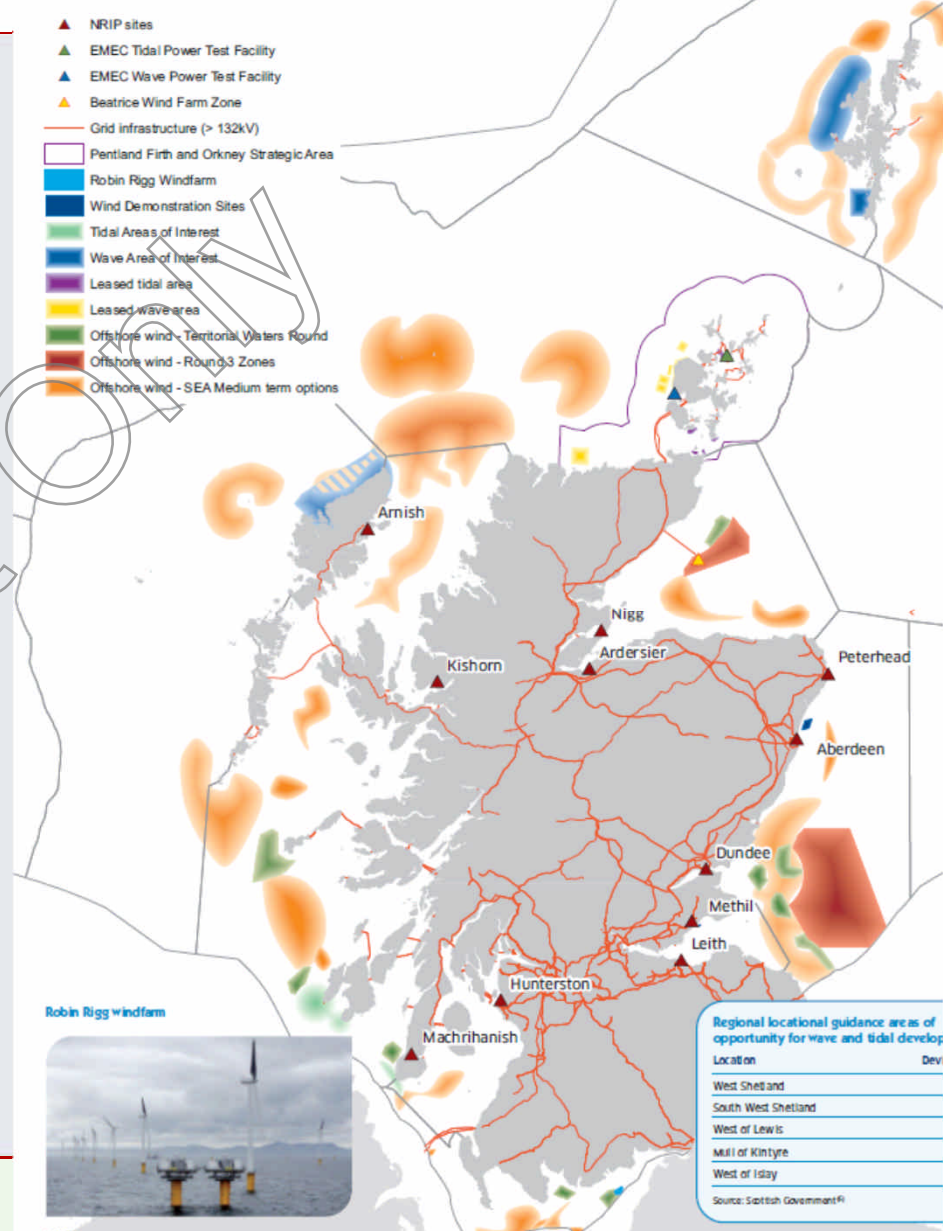
1980/90s Aquaculture

Current Phase

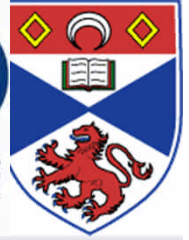
Marine Renewables

Recreation & Tourism

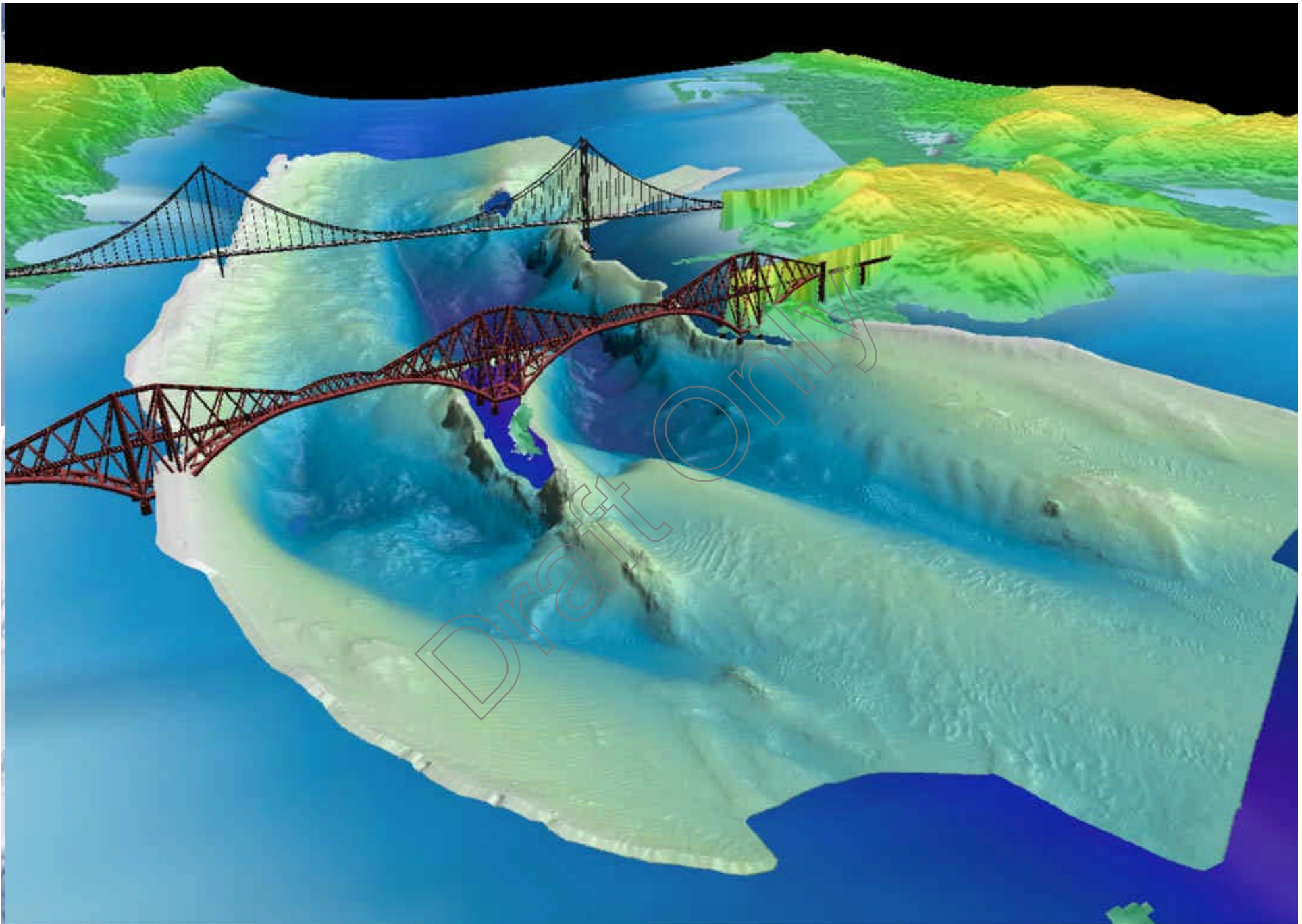
Sources: (Scot Marine Atlas,2011)



Trends in Governance Framework: Scotland



- **Sectoral & Voluntary approach 1992-1999**
 - Focus on the Firths/Coastal Partnerships
 - EU Environmental Directives
- **Devolution 1999-2010**
 - AGMACS/SSMEI
 - Scottish Marine and Coastal Policy
 - EU “Programmes of Measures”
- **Integration: planning and regulation 2010-**
 - Marine Scotland Act 2010
 - Holistic EU Directives- Marine Strategy Framework Directive 2008



Source: (BGS/NERC, 2006)



Strategic and Technical Management



- **Strategic**
 - Integrated Management Plan
 - Coordination: e.g. Annual Conference
- **Technical**
 - Coastal Litter Campaign
 - Managed Realignment





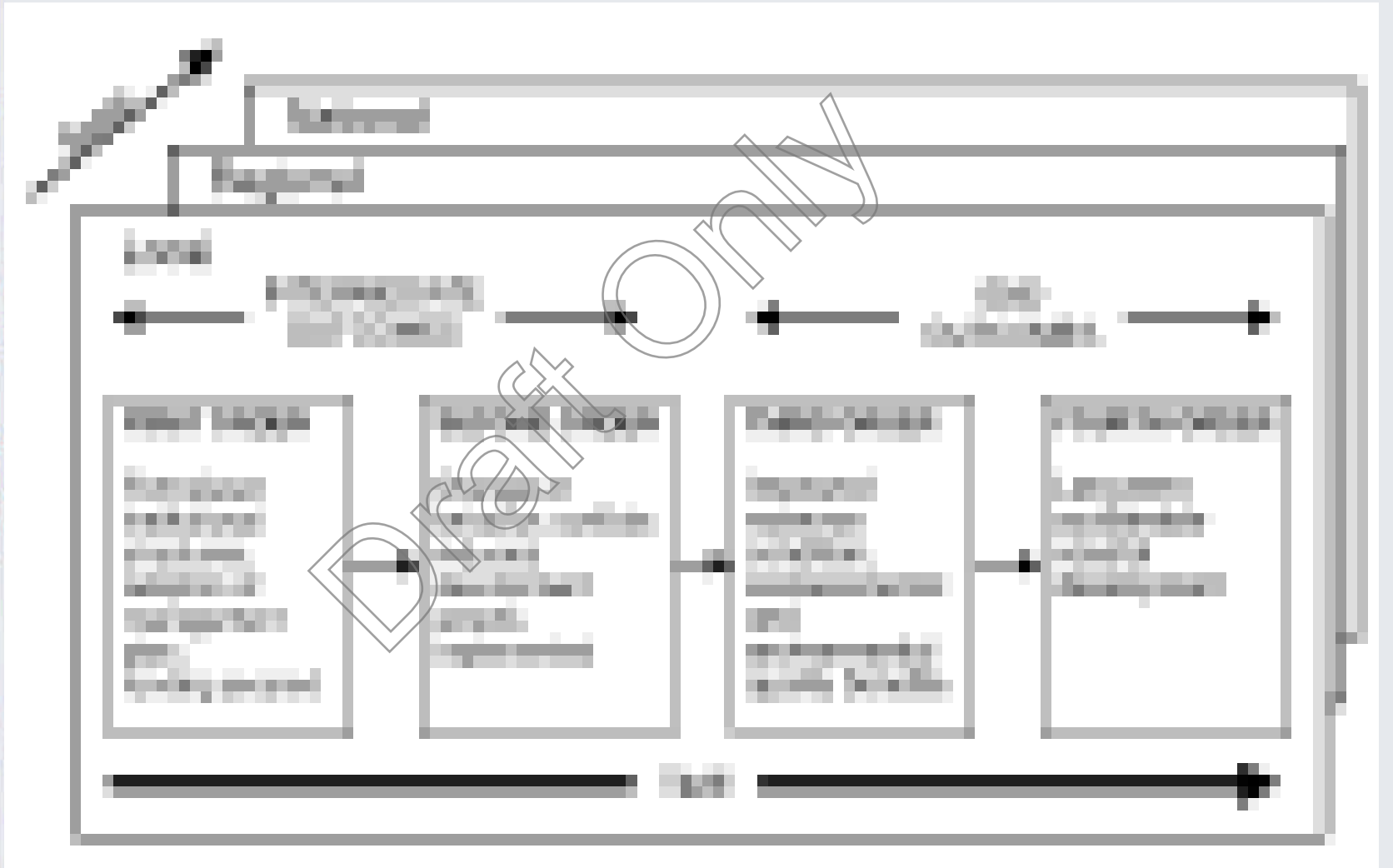
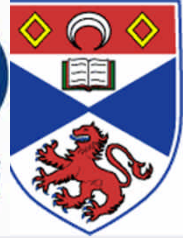
Developing a Governance Baseline

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Orders of Outcome



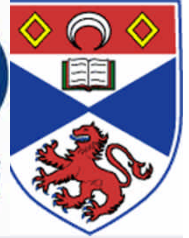
Source: (Olsen,2003)

Assessing Outcomes

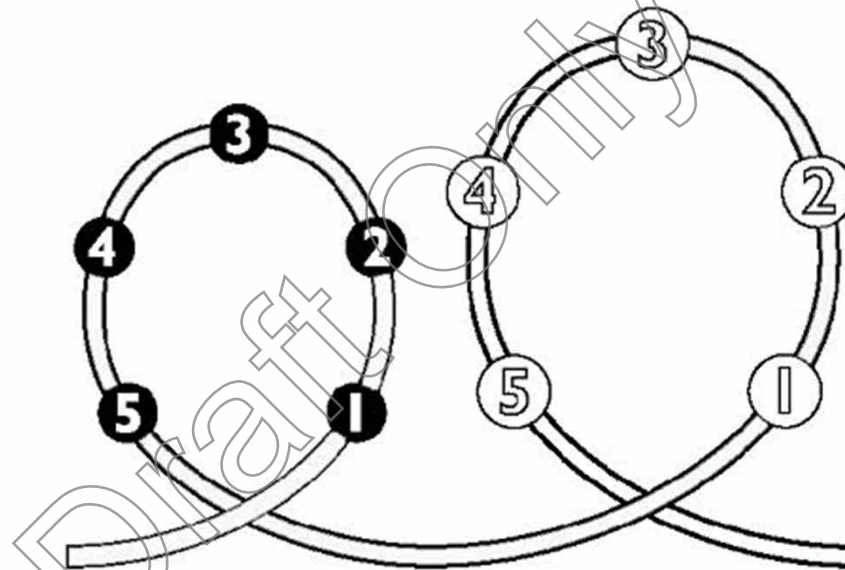


- **Finger Exercises-** the preconditions for success
 - Staff capacity, building trust and social capital
- **Outputs-** the first and second order achievements
 - Plans produced
 - Behaviours changed
- **Outcomes**
 - Environmental
 - Economic
 - Social

Cycles of Management: Coastal Partnerships?



The Policy Cycle



- 1: Issue identification and assessment
- 2: Preparation of the plan
- 3: Formal adoption and funding
- 4: Implementation
- 5: Self assessment and external evaluation

Cycles of Management: Baselining Performance



1: Issue identification and assessment

ID Issues ✓

Stakeholder Engagement ✓

2: Preparation of the plan

Baseline conditions ✓

Scientific research ?

3: Formal adoption and funding

Formal endorsement ✓

Long term funding ?

4: Implementation

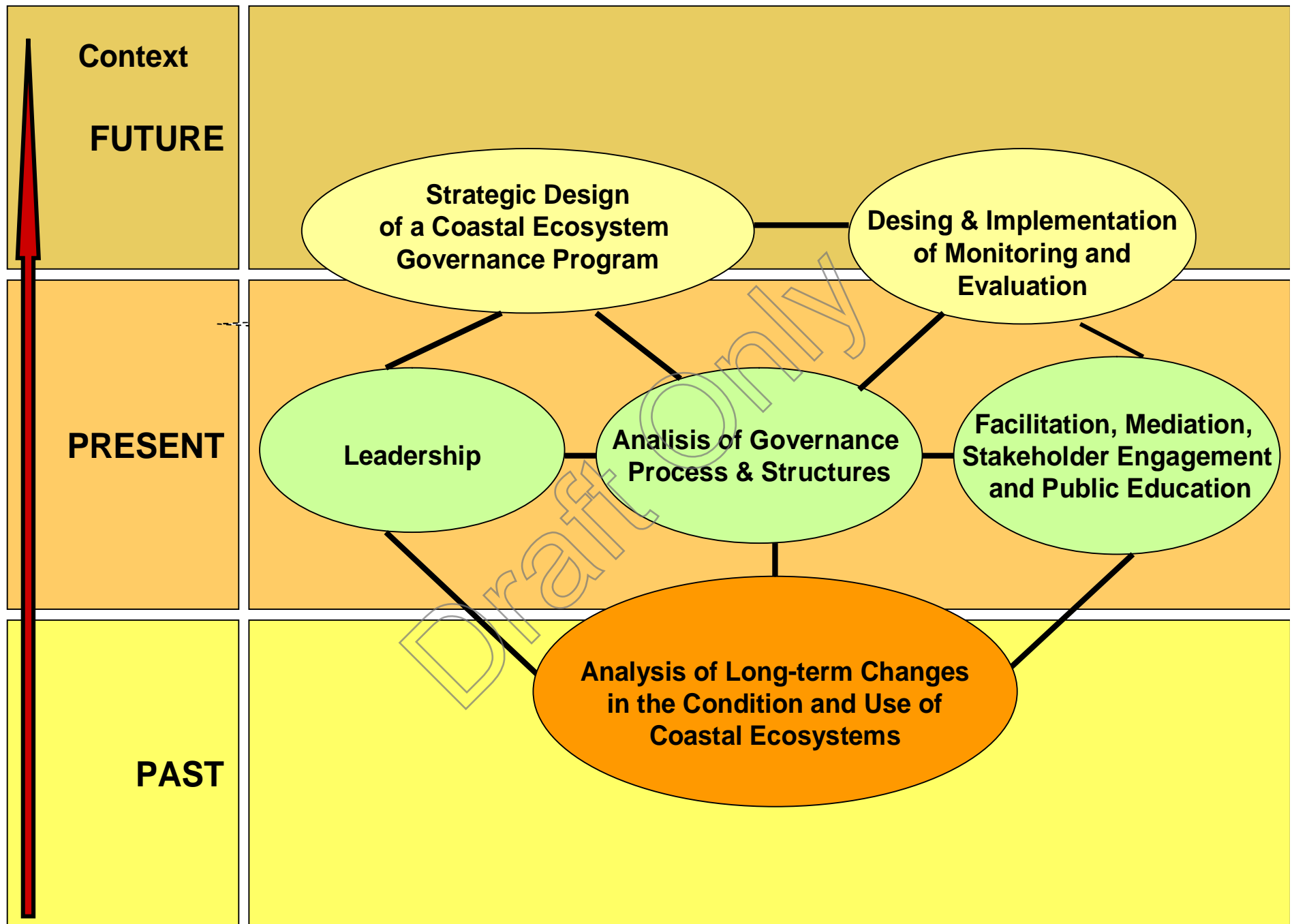
Constituencies sustained ✓

Investments made ?

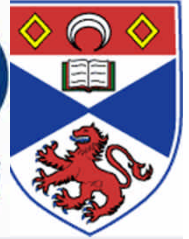
5: Self assessment and external evaluation

Outcomes documented, priorities adjusted ✓

Review, Next cycle?



Source: (Olsen,2010)



FEF: Building on the current initiative

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Further Details



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- Stojanovic, T. Barker, N. (2008) Improving Governance through local Coastal Partnerships in the UK. *Geographical Journal* 174 (4) 344-360.
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