

The Environmental Challenge and Civil Society

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Malahide Sept 22nd 2017

Ways of being in the world

- New Zealand Rivers
- Sacred and Profane Spaces
- Rhythmic Equilibrium
- Having and Being-Fromm

This Generations' Challenge

- Global Inequality
- Political alienation in the West-Trump Brexit
- Environmental armageddon-
- 4 planetary boundaries; biodiversity loss;(agro)chemical pollution; climate change; acidification of ocean
- Collapse of wellbeing and the belief in progress
- Retrenching State-neo liberal suspicions of redistribution

Today's Citizen

- Stakeless
- Stateless
- Homeless
- Reckless

How Civil Society can contribute

- Psychological-in touch with myself and my beliefs
- Cultural-Engaged in a communal story and celebration
- Political-Effecting policy change-both nationally and globally
- Cognitive-learning the art and craft of criticism-of not being governed

What Doesn't Change-First Principles

*The things we have to learn before we do them
we learn by doing them*

(Aristotle)

The issues for the PWF

- Affordability
- Sustainability , Conservation and Innovation
- Water and Public Health
- Ownership
- Public education and information

The Driving Assumptions

- Clean air, water, soil
- Achieve ecological sustainability
- Social Equity
- Economic Prosperity
- Meet human needs

The Agentic Citizen

- Occupies the moment between past and future(Docherty)
- Processes the message--Re-Forms and Transforms
- Achieves self reflexivity in a collaborative endeavour
- Proceeds towards an ethical awareness and explicit vision as guiding framework for decision making

Civic Science

- Democratisation of Science
- Social Learning-Collective self reflection through intentional dialogue among diverse participants
- Management action becomes a structured/quasi structured experiment
- River becomes an action research laboratory
- Resilience-Capacity to absorb disturbance without changing fundamental structure

The Role of Dialogue

- The means and the end of democracy-truth is neither claimed or proclaimed-just approached
- Assumes parity between the participants-different but equal
- Values real world, lived experience
- Advances the case for voice
- The purely technical is also political

Reflectiveness

**Level One: Everyday reflection-
fleeting-reflecting in action**

**Level Two: Deliberate reflection -
committed-reflecting on action**

**Level Three: Deliberate and
systematic reflection
programmatically-altering action**

<http://lsn.curtin.edu.au/tlf/tlf1997/hall1.html>

Collaborative Monitoring.

Multiple individuals or organisations of opposing stakeholders

Shared understanding of the eco-system

Shared ownership and stewardship

Builds information, trust and credibility

Increases the likelihood of action

From participation in data gathering to full partnership

Systems Theory- Five Disciplines-Senge

- Systems Thinking
- Personal Mastery
- Mental Models
- Building Shared Vision
- Team Learning

The issues for the PWF in 2017

- Affordability- Citizen entitlement
- Accountability-Charge for excess use
- Public good-privatisation not an option
- Need for major investment and unclear where this will come from
- Need to challenge a culture of reliance on end of pipe solutions- catchment management strategy
- Public education and information