



Flinders
UNIVERSITY

inspiring achievement

Low Carbon Challenge to address Wellbeing and Climate Change in South Australia and our region: Mitigation, Governance and Accountability

McIntyre, J with prototype software designed by De Vries, D and assisted by Binchai, N. and developed by Wirawan, R.



Flinders
UNIVERSITY

inspiring achievement

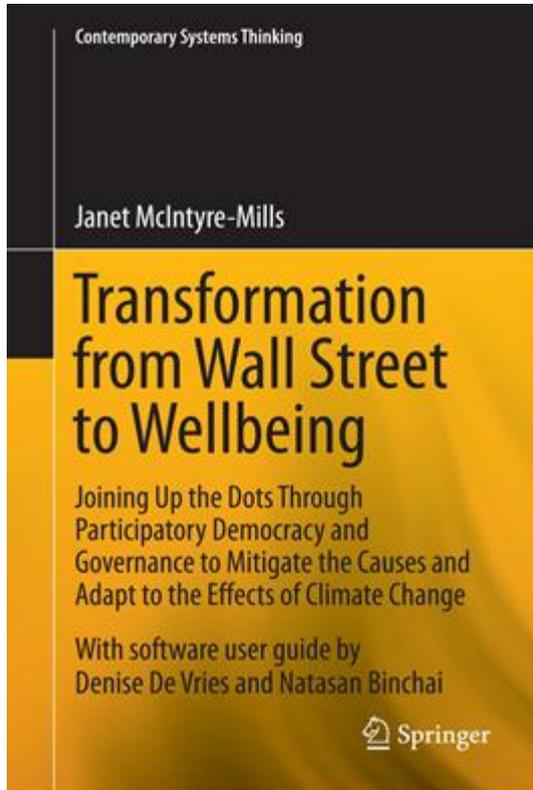
The personal is political and planetary

Personal and political transformation

- Space ship earth is the concept developed by Kenneth Boulding in his policy plea that we achieve transcendence.
- Human survival and values require understanding that we are interconnected

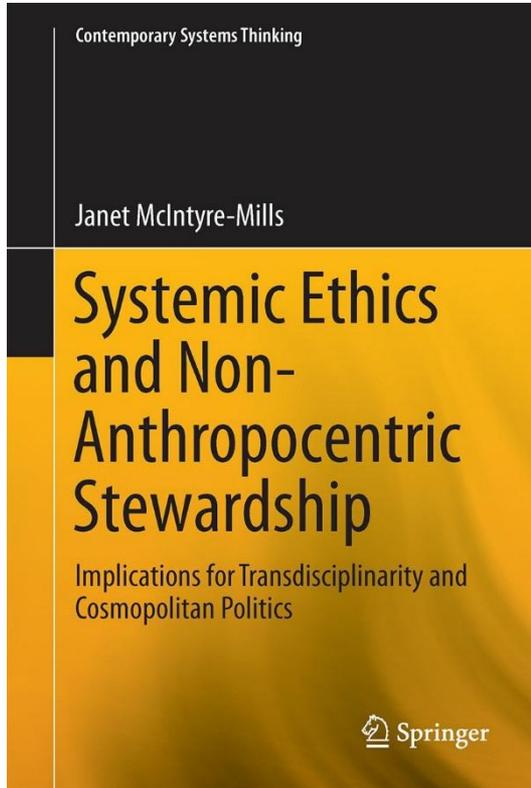


Piloting a way to do things differently



- Personal stories based on addressing the question “how should we live in order to achieve wellbeing” reveal patterns
- Patterns provide residents and service providers the opportunity to explore pathways to wellbeing
- The software lets residents build on other people’s experiences
- The software summarises personal experiences and perceptions for service providers

Transformative research for re-generation



- Balancing individual and collective needs
- Re-framing – so that human beings see themselves as stewards of both people and the planet
- Extend solidarity and understand interdependency
- Systemic ethical praxis strives to respond to the vexed challenge of how to bridge the false dualism of pitting the environment versus profit.
- We need a green economy and it starts today by extending a sense of solidarity to others and the environment on which we depend
- We need a new narrative of Earth Democracy and Governance (Shiva and Barlow, 2011).

Transdisciplinary and Cross Cultural Research

Current team

Assoc Prof Janet McIntyre (Social and Policy studies)

- Pak Rudolf Wirawan (Wirasoft, CEO and leader of Indonesian diaspora, Australia)
- Novieta Hardeani Sari (lecturer, Universitas Nasionale)
- Assoc Prof Ida Widianingsih S.IP., MA. Universitas Padjadjaran

Previous team

- Assoc Prof Janet McIntyre (Social and Policy studies)
- Dr Denise de Vries (Informatics, Flinders University)
- Dr John Deakin (Flinders graduate)
- Natasun Binchai (Hons graduate, Informatics, Flinders University),
- Ivantia Mokoginta (PhD student, Economics and Public Policy),
- David Hope (Accountant and risk management consultant for local government).
- Adib Mohammed AbduShomad (PhD student, Public policy and management), Barbara Dickson (MA student, Public Policy and engagement specialist for an urban renewal department, public sector, Adelaide)
- Dr John Mugabushaka (PhD graduate and public policy and youth justice officer, public sector, Adelaide).
- Kim O'Donnell, mentor at CRCAH, Flinders University and Bevin Wilson, mentor at Yunggoendi

Risk and Resilience

- Implications for monitory democracy and governance within Australia and our regional neighbours who are impacted by climate change

IPCC formula

E (Emissions) = Population X Consumption per person X Energy Efficiency X Energy Emissions

Wellbeing

- This requires building *stocks for the future* (Stiglitz, et al, 2010)
 - re-framing not only economics but our relationships.

Complexity and wellbeing

Stiglitz et al 2011: 15 use a multidimensional measure of wellbeing spanning:

1. Material living standards (income, consumption and wealth),
2. Health,
3. Education,
4. Personal activities including work,
5. Political voice and governance,
6. Social connections and relationships,
7. Environment (present and future conditions),
8. Insecurity, of an economy as well as a physical nature

Complexity and wellbeing

1. Home safety (personal safety- social indicators and physical indicators, physical safety of the home and environs)
2. Physical and mental health (Wilkinson and Pickett, 2009)
3. Sense of purpose (indicators of satisfaction with employment),
4. Connection/belonging to healthy community and healthy environment (people and land or place),
5. Self respect and confidence to speak out. These are seen as overlapping needs which need to be addressed (McIntyre-Mills with De Vries, 2008, 307).

Area of concern

- What combinations of social, cultural, political, economic and environmental factors make a difference to wellbeing and our capability to adapt to climate change at the local level and to scale up interventions?

Scenarios

- Denial of the need to change
- Too little action too late
- Sustainable long term adjustments

Adaptation and Mitigation – How?



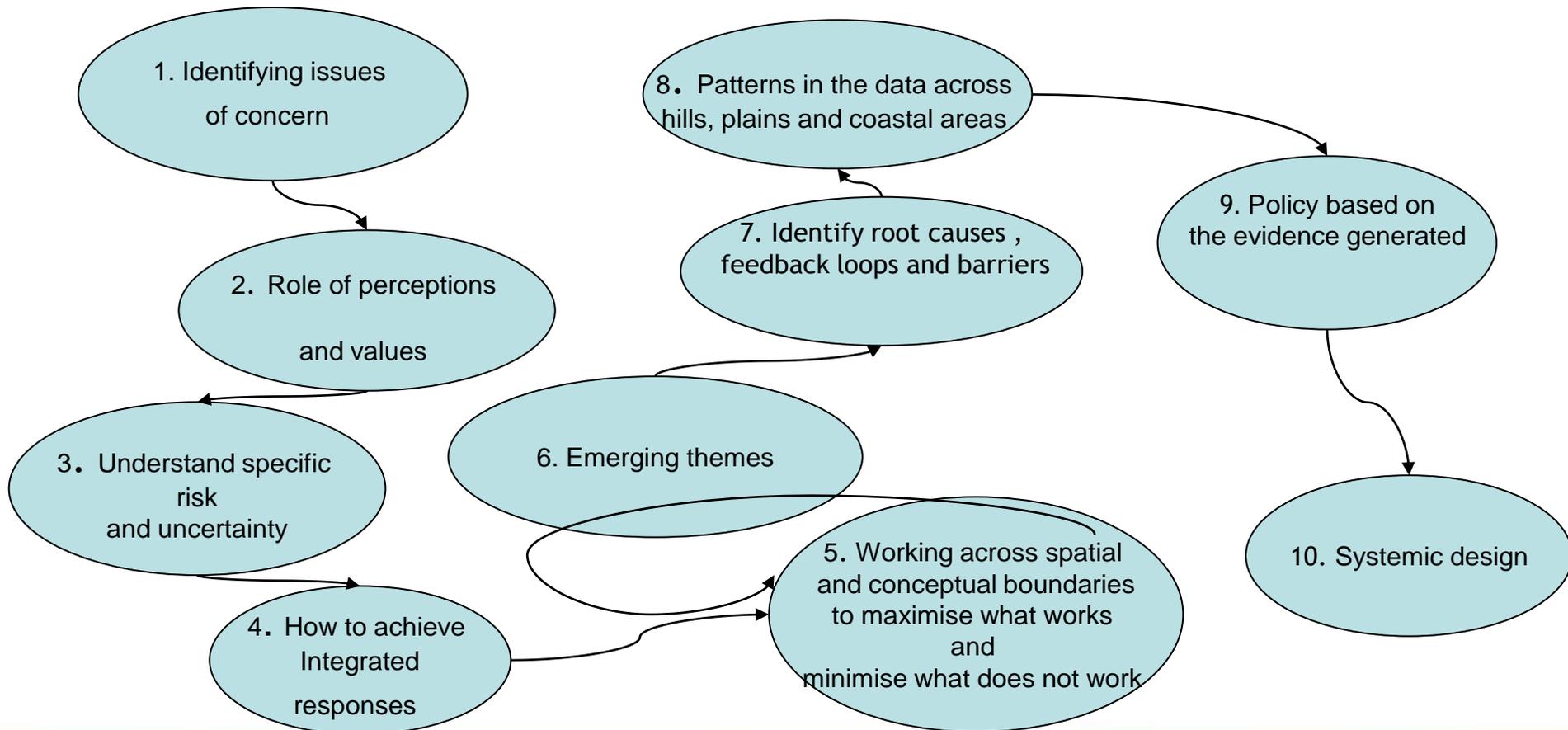
Adaptation

- **Adaptation** means addressing the effects of climate change at the local level through governance and policy
- **Mitigation** addressing the causes of climate change at through governance and policy

Research Design

1. Gathering data through focus groups using basic scenarios (A. Sustainable future, B. Small Changes, C. Business as Usual) and extending these through in-depth conversation
2. Identifying patterns through mapping ideas and connections
3. Designing and piloting the software
4. Populating the software.

Research Design and Approach



Logic

- Personal stories in answer to the question how should we live? (in order to achieve wellbeing) reveal patterns
- Patterns provide a starting point for each resident, service user/provider to explore pathways
- Build on other people's experiences

Data collection

- *I have* the following things in my life – understanding of human rights, respect for biodiversity, fear for the future/ hope for the future, a confidence, lack of confidence, loss of home due to natural or other disaster, no family/ community support, responsibility to care for others and very high levels of stress. *My own story is:*
- *I need* in my life – a home, a sense of safety, a place near public transport and hope for the future. *My own story is:*
- *I will add* to my life – more community supports from a range of services and /or more community engagement to lobby for resources, more connection to nature *My own story is:*
- *I will discard* from my life – a sense of hopelessness, a sense of entitlement, excessive consumption. *My own story is:*
- Self-reflection on *the turning points* for the better or worse – hope that consumption can be replaced with greater sense of attachment to others and the environment. *My own story is:*
- *Consideration of the barriers* that currently exist and consideration of what could be done to transform society and our relationship to the environment. *My own story is:*

Connections

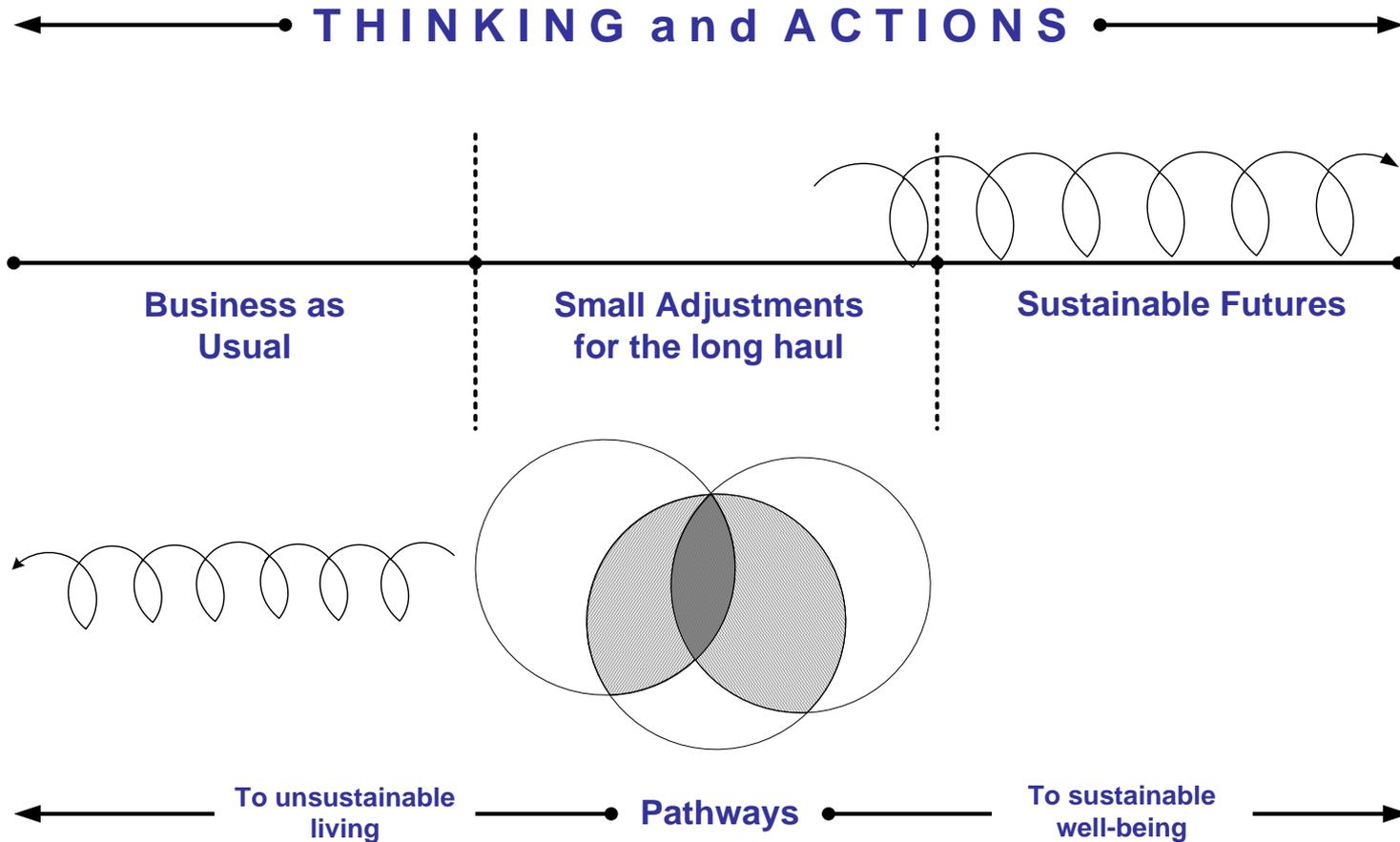
Conceptual, Spatial and Temporal

- South Australian Thinker in Residence
 - Baroness Professor Susan Greenfield (2000) stresses that the more neural connections we can make the more conscious we can become.
 - The more connections we can make has implications for the way we live, for the way we do science, for the way we run our governments and for ethics.
- Ngarrindjeri metaphor
 - weaving strands of experience (and river grasses) resonates with the approach stressed by Greenfield (2000)

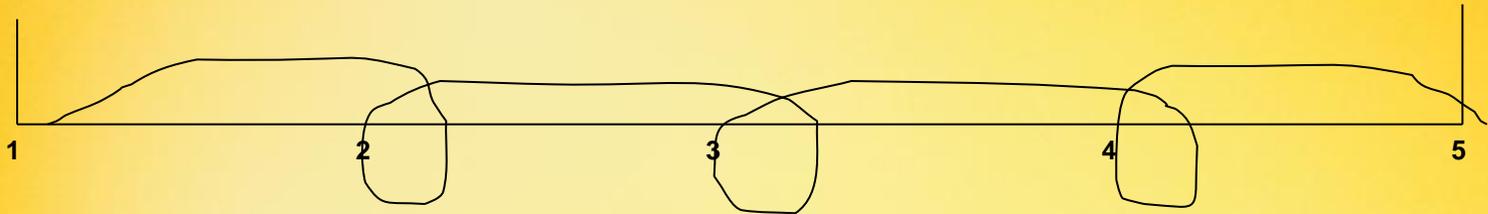
Multiple strands of experience



Policy findings



The personal is political: social, economic and environmental pathways to wellbeing



Sustainable Futures

Not coping

In basket

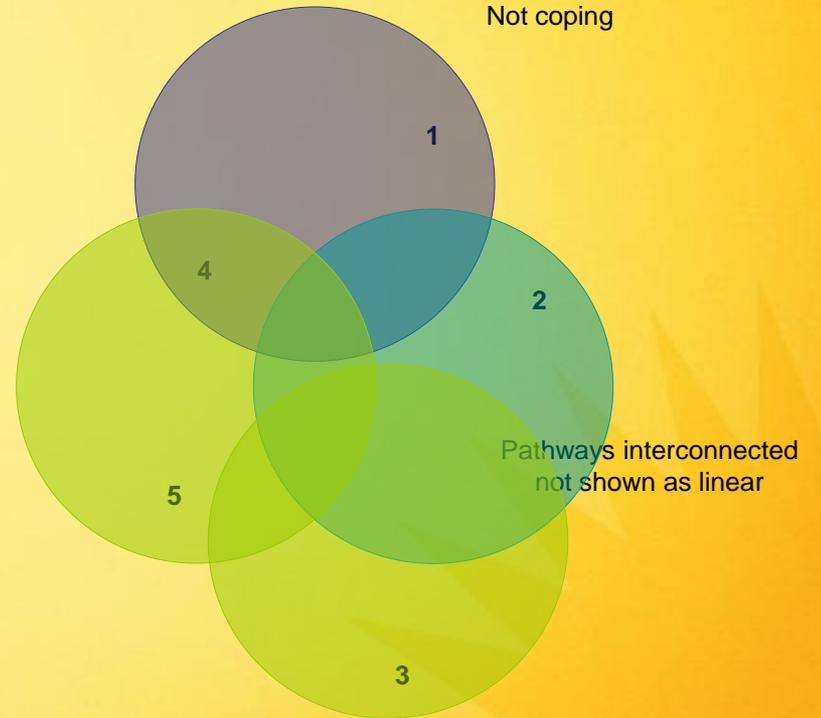
Out basket

Turning points for better

Turning points for worse

Barriers

Services that made a difference



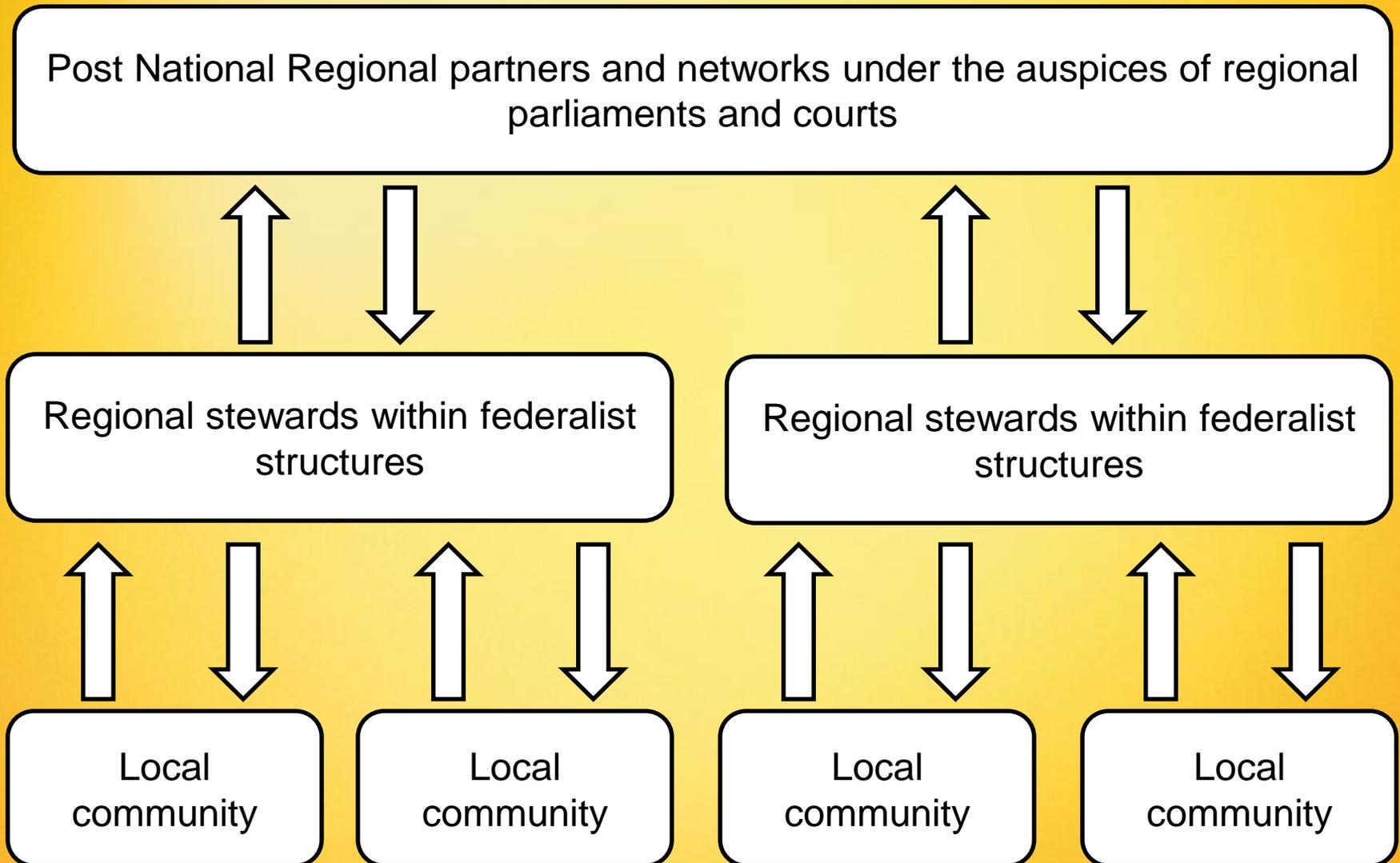
Flinders
UNIVERSITY

inspiring achievement

Policy implications

- Respect for self, others and the environment requires time to live slowly and to re-connect with others
- Work-life balance – more time for self, others and community gardens and community infrastructure
- Social and economic support for renewable forms of energy

A way forward: laws to support social and environmental justice?



Step 1

Please enter your user name:

First name only or a 'pseudonym'

Year of Birth

Sex:

Postcode:

Level of education

Occupational status

Number of Dependent Children:

Number of Dependent Elderly:

Password: test (or make up your own)

Re-enter Password: test (or make up your own)

Step 2

- Please listen to three scenarios.
 - Think which of the three scenarios you identify with. This is the entry point for the software

Step 3

- Please build your own unique choices and insights into the program by starting the pathways journey.
- Please choose one of three pathways

Step 4

Please consider

- What material and non material things you have in life – positive and negative – such as rented accommodation, a mortgage, a supportive family, a job?
- What you need – a well insulated home, a bicycle, access to public transport ?
- What you could add/discard – exercise/costly vehicle ?
- What are the positive and negative turning points – adding solar panels, learning more about sustainable gardening ?
- What are the barriers – lack of motivation, lack of subsidies for green technology ?
- What local government services can be used and in what combination?

Step 5

- Your own pathway to wellbeing can be printed out and kept for personal review
- You can revise it on line
- Your pathways could help service providers provide better responses to social, economic and environmental challenges

Overlapping Areas



Client Login

Pathways To Wellbeing

User name: test Password: [masked] Login

New User

Name: [text input]
Year of Birth: [text input]
Sex: Male Female
Postcode: [text input]
Number of Dependent Children: [dropdown menu]
Number of Dependent Elderly: [dropdown menu]
Level of Education: [dropdown menu]
Employment Status: [dropdown menu]
Place of Birth: [dropdown menu]
Religion Affiliation: [dropdown menu]
Password: [text input]
Re-enter Password: [text input]

Create Account

<http://wirasoft.com/pathways-to-wellbeing/>

User name = test
Password = test

Pathway To Wellbeing

Home Log Out

Create/Edit Pathway
Change Client Personal Details
Change Password

Pathway To Wellbeing

Home Log Out

Create/Edit Pathway
Change Client Personal Details
Change Password

Change your password

Current password: [text input]
New password: [text input]
Re-type new password: [text input]

Save Cancel

Pathway To Wellbeing

Home Log Out

New User

Name: [text input]
Year of Birth: [text input]
Sex: Male Female
Postcode: [text input]
Number of Dependent Children: [dropdown menu]
Number of Dependent Elderly: [dropdown menu]
Level of Education: [dropdown menu]
Employment Status: [dropdown menu]
Place of Birth: [dropdown menu]
Religion Affiliation: [dropdown menu]
Password: [text input]
Re-enter Password: [text input]

Create Account

Existing Client

Name: [text input]
Year of Birth: [text input]
Sex: Male Female

Load Client

Pathway To Wellbeing

Home Log Out

Create/Edit Pathway
Change Client Personal Details
Change Password

Searching Client to Modify

Client Name: [text input]
Year of Birth: [text input]
Sex: Male Female

Search Cancel

Scenarios for wellbeing and sustainable futures

The pathway address for local government is

<http://wirasoft.com/pathways-to-wellbeing/>

User name = test

Password = test

References

- Costanza, R, Cumberland, J, Daly, H, Goodland, R, Norgaard, R, Kubiszewski, I, Franco, C. 2015. 'Examples of Policies, Instruments and Institutions' in *An introduction to Ecological Economics* Taylor and Francis, London.
- Podger, A., Wanna, J. Ma, J. and Su, T. 'Putting the Citizens at the Centre: Making government more responsive'. *Australian Journal of Public Administration* 71: 2 101-110
- Shiva, V. 2012. '*Making peace with the earth*'. Fernwood Publishing. Winipeg
- Stiglitz, J. Sen, A. And Fitoussi, J.P. 2010, *Mis-measuring our lives: why the GDP doesn't add up*. The New Press. New York.