



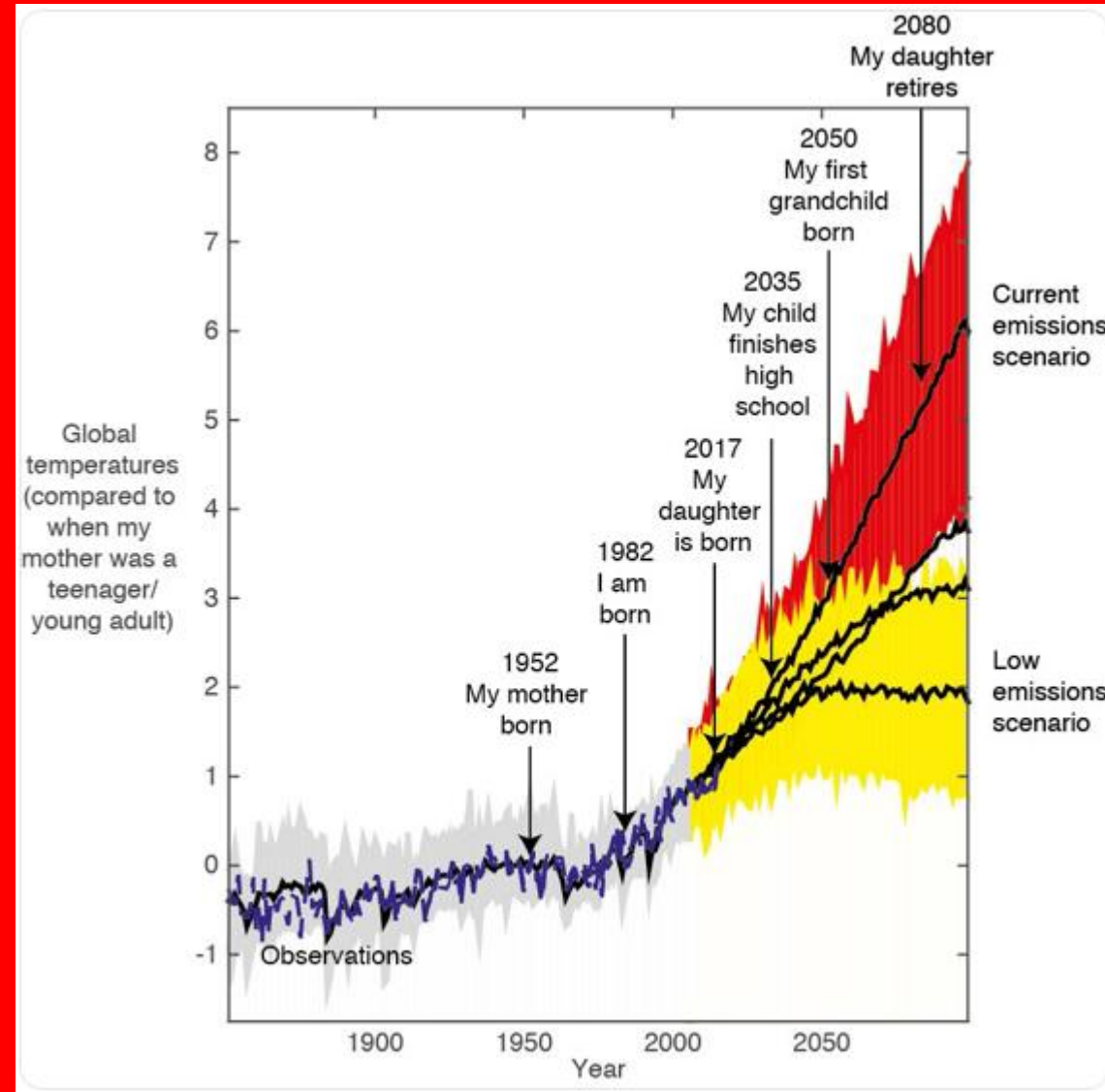
Education for Environmental Citizenship: Characteristics & Approaches

Bronwyn Hayward



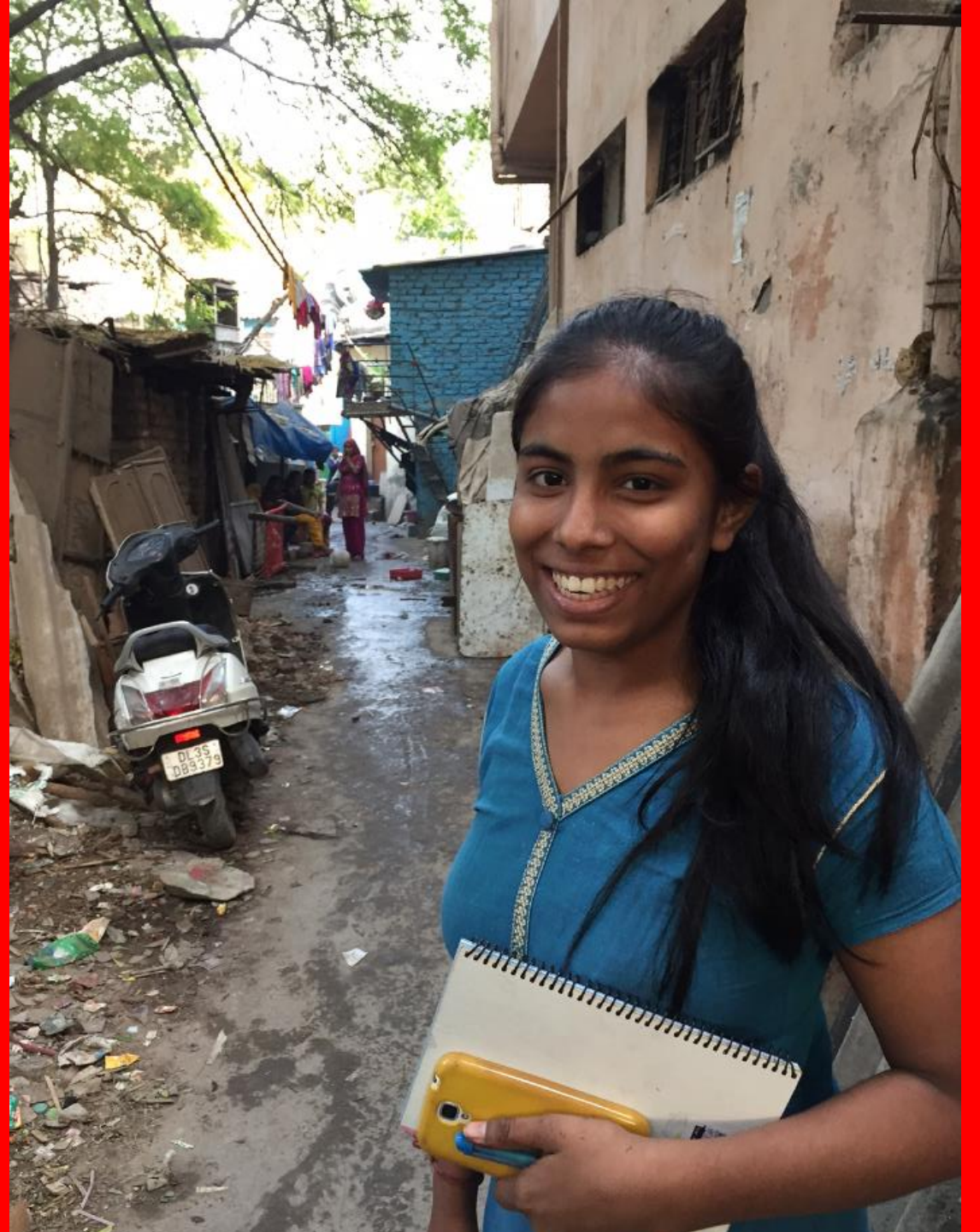
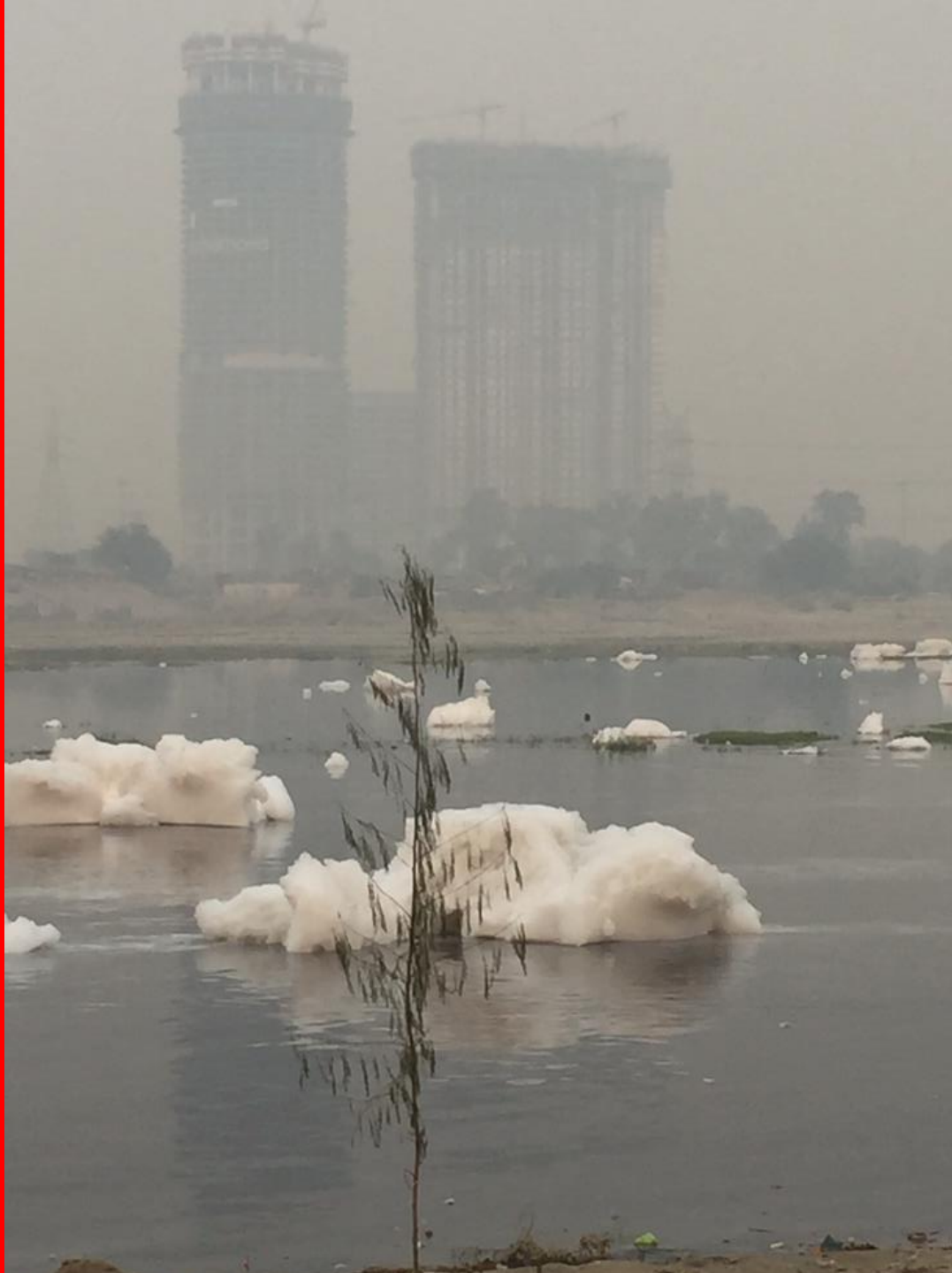
1. **Why ECE matters more than ever IPCC 1.5 report**
2. **What are the characteristics of ECE?**
3. **How might we teach to support these?**
4. **What is a SEEDS ECE model and why use it?**
5. **Examples of SEEDS ECE**

Big challenges facing young citizens: IPCC Special report on 1.5 global warming:



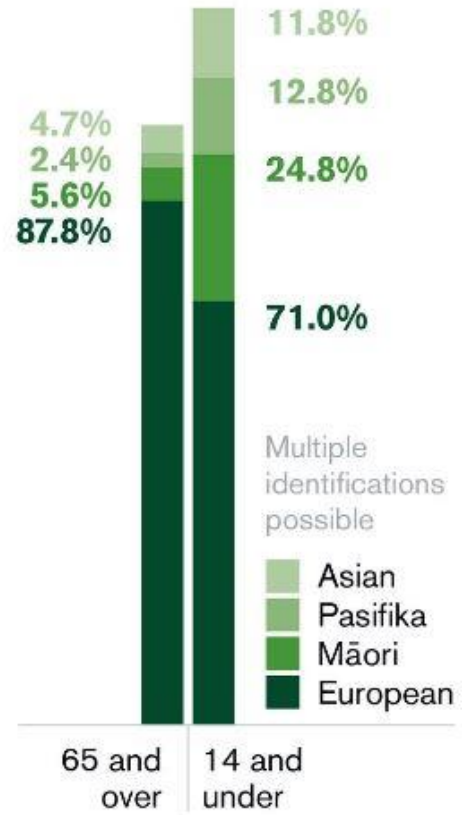
Source: Sophie Lewis ANU



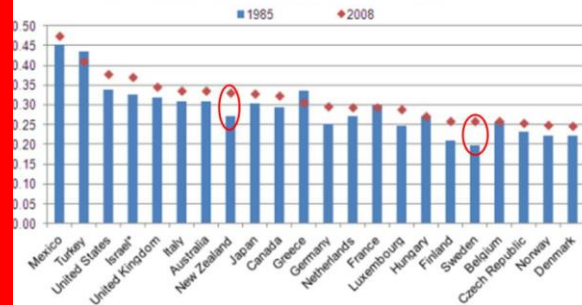




Identified ethnicity for different generations



Income inequality increased in most, but not all OECD countries Gini coefficients of income inequality, mid-1980s and late 2000s



What should be the main characteristics of Education for Environmental Citizenship?

It depends.....What do we want to achieve?

ENEC: knowledge, skills, values, attitudes & competences to participate as an agent of change in private/public spheres, at multiple scales collectively/individually to address environmental problems, prevent new ones, advance sustainability & healthy relationship with nature. (Avoiding Freire's Banking model of education?)



ENEC: to **empower** citizens to exercise **environmental rights and duties & identify underlying structural causes** of environmental degradation
competences for critical and active engagement and civic participation for democratic & inter/intragenerational justice
(Building on Freire's Liberation learning: problem posing+
connection+action+reflection=awareness conscientization /conscientização)





THE SOCIAL HANDPRINT AND SEEDS OF ECOLOGICAL CITIZENSHIP

Social Agency

Environmental Education

Embodied Justice

Decentred Deliberation

Self-Transcendence



AUTHORITARIAN HANDPRINT OF FEARS

Frustrated agency

Environmental Exclusion

Authoritarian decision making

Retributive Justice

Silenced imagination







ENVIRONMENTAL HANDPRINT OF SMART ENVIRONMENTALISM

Self-help agency

Market participation

A priori, universal justice

Representative decision making

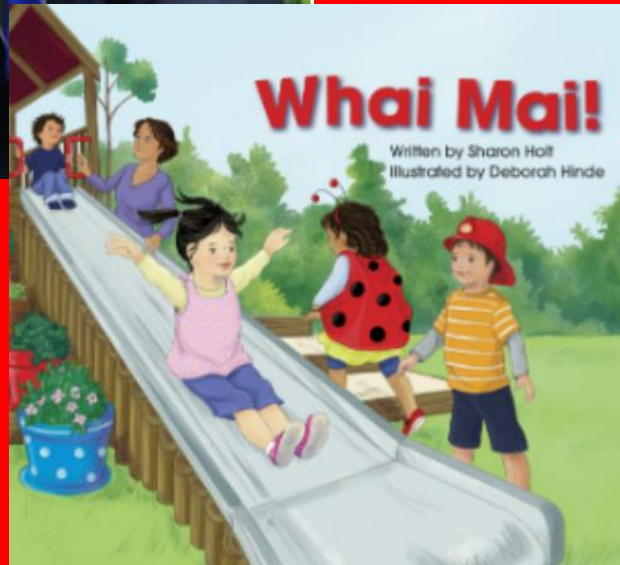
Technological transformation



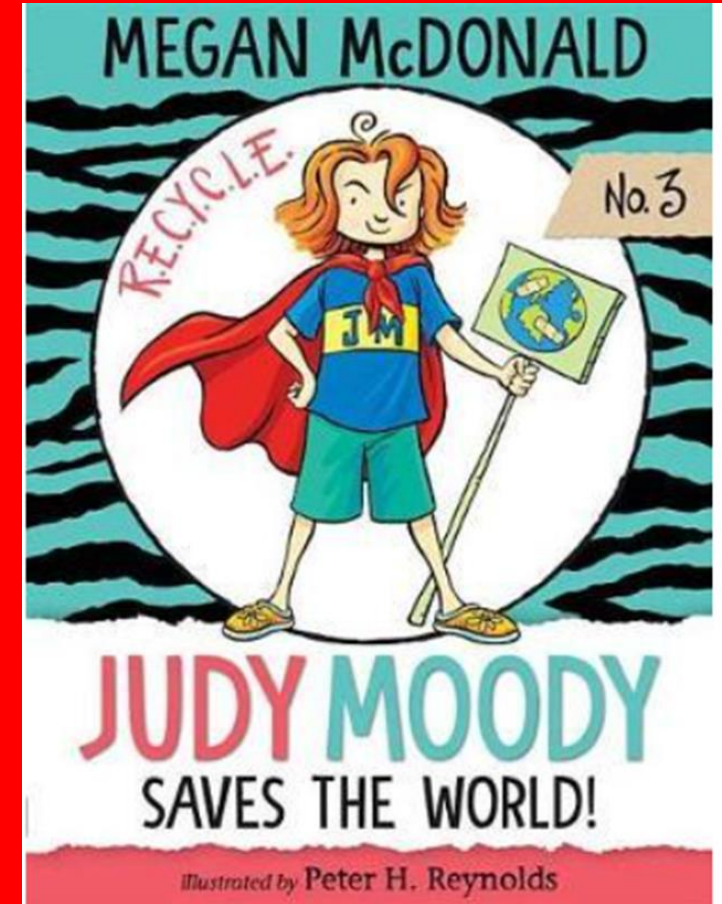
“Me to we”, Swechha, New Dehli India

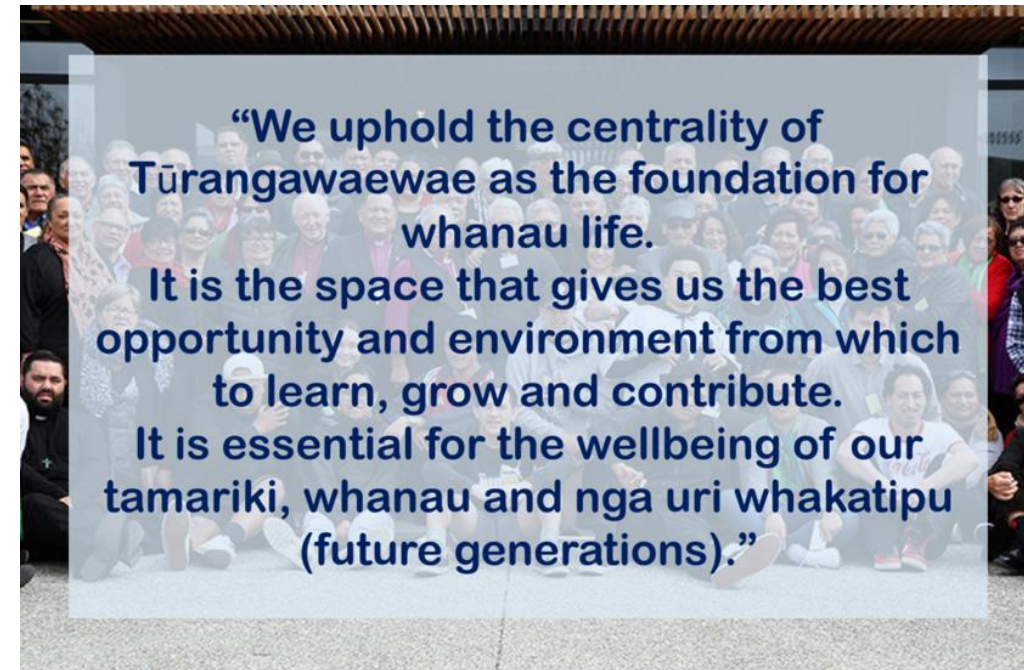


NZ KidsFirst Kindergartens: Seeds of citizenship in public spaces, community-inclusive, child-led learning



Learning SEEDS by listening & Doing: Story telling and scaffolding activities with efficacious peers/adults eg AA Milne classic: “In which Piglet is entirely surrounded by water”





In 1965 Rachel Carson wrote..... about nurturing a child's sense of wonder about their natural world

We also need to nurture a child's sense of wonder about their democratic world, and the extraordinary possibilities of ordinary people acting together to effect change for a more just and sustainable common future

<http://www.routledge.com/books>

earthscan
from Routledge

Children, Citizenship and Environment

Nurturing a Democratic Imagination in a Changing World



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