UCLA | Getty Interdepartmental Program in the Conservation of Cultural Heritage

NATIONAL ENDOWMENT FOR THE HUMANITIES

Preliminary Research into Education for Sustainability in Cultural Heritage Conservation

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Intro to the Initative

Embedding Sustainability into Curricula

- Connecting with UCLA communities and with Global Partners
- Working with faculty on introducing sustainable topics in UCLA/Getty Conservation program curricula
- Implementing interactive and engaging learning exercises
- Building an online platform to aggregate teaching tools and methods for sustainable collections care

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III

Project Team

Glenn Wharton

PI / Chair, Conservation of Cultural Heritage Program; Professor of Art History

Ellen Pearlstein

PI / Professor, Conservation of Cultural Heritage Program and Information Studies

William Shelley

Lab Sustainability Consultant / Lab Manager for Conservation of Cultural Heritage Program

Justine Wuebold

Research Associate for Sustainability, Conservation of Cultural Heritage Program

IV

ICON SUSTAINABILITY NETWORK WEBINAR

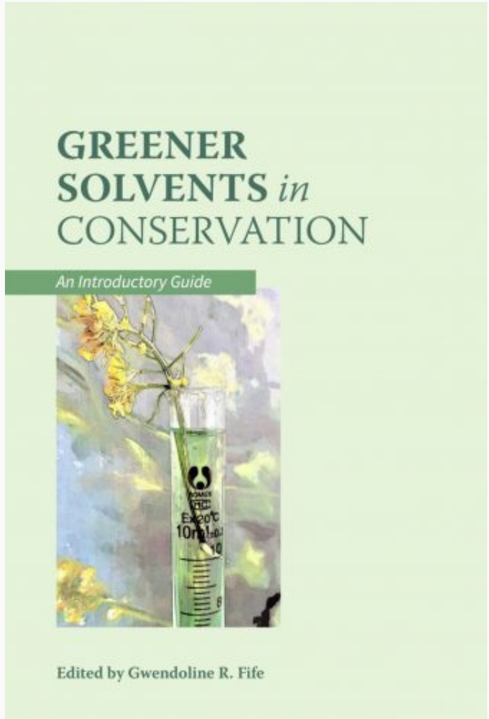
Ki Culture

+

Sustainability in Conservation

Cultural Heritage & Conservation

- Action on Sustainability
- Ki Books
- Greener Solvents Project

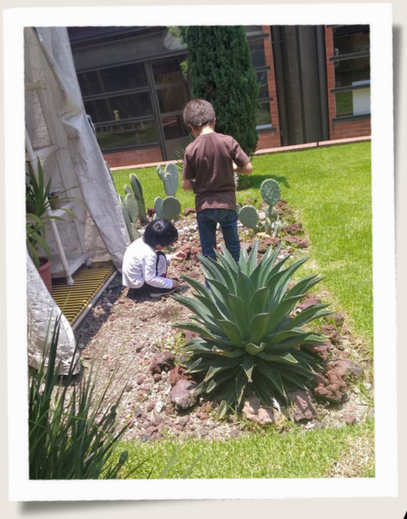


V

"Our Ancestors Knew Best" Project

- Identifying traditionally used plants and their methods for preservation
- Research took place from March 2016 to December 2017 in partnership with SEAMEO SPAFA and the Queen Sirikit Museum of Textiles.
- Lab testing them for efficacy in use on cultural heritage materials
- Started in Southeast Asia and now looking for ways to partner with Indigenous communities in North America

SDG #12 of the United Nations Sustainable Development Goals



Tectrad Greenhouse, ENCRyM

Detergents prepared using concentrates extracted from plants

Table and Image: "Our Ancestors Knew Best: Traditional Southeast Asian Textile Treatments and their Place in Modern Conservation" 2020 editors Julia M Brennan, Linh Anh Moreau

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Training Labs

Getty Villa Training Labs + Cotsen Conservation Lab

- About the Labs
- Ki Culture Summer Workshop
- Student Summer Project/Report

- Exploring Lab Certifications

LEAF – Laboratory Efficiency Assessment Framework

UCLA Green Labs

my green lab.

Waste + Materials

- **MuseoCycle**

MuseoCycle is a network for museum professionals interested in circular material reuse.

- **LCA/STiCH**

Sustainability Tools in Cultural Heritage (STiCH) is a life cycle assessment (LCA) Carbon Calculator and Library of Case Studies and Information Sheets

- **2nd Hand Equipment - GCI lab remodel**

Our lab was able to source laboratory equipment from the Getty Conservation Institute

VIII

Intersectionality

Environmental

Museum Environment

Labs & Chemical Disposal

Exhibitions, Loans & Transport

Affects of Climate Change on Built Heritage and Collections

Social

Building collaboration & partnership

Climate Action Leadership

Inclusion of indigenous knowledge

Re-evaluating the role of the conservator

Economic

Pay Equity & Recession

Divestment from Oil

Localized Procurement

Financial Stability & Strategy

Education for Sustainability

Systems Thinking

Understanding how systems work -

Seeng the relationship between structure and behavior within an interconnected set of elements that is coherently organized in a way that achieves something

Future Thinking

Horizon Scanning or Foresight

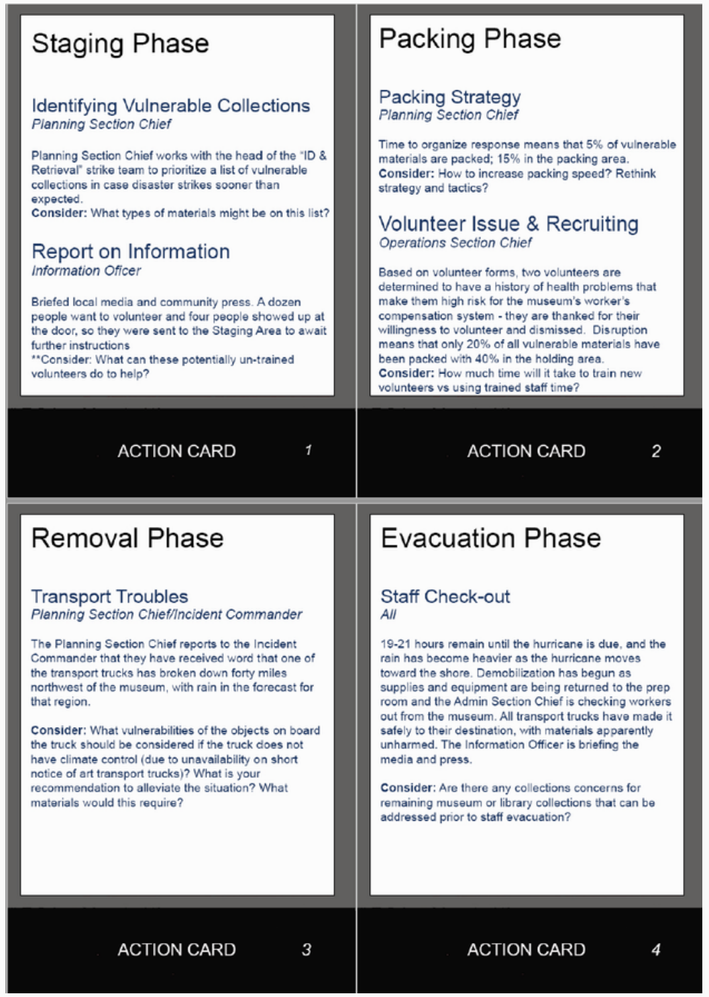
Refers to the systematic exploration, collection and interpretation of external information in an effort to identify trends and drivers of change and their impacts on the future

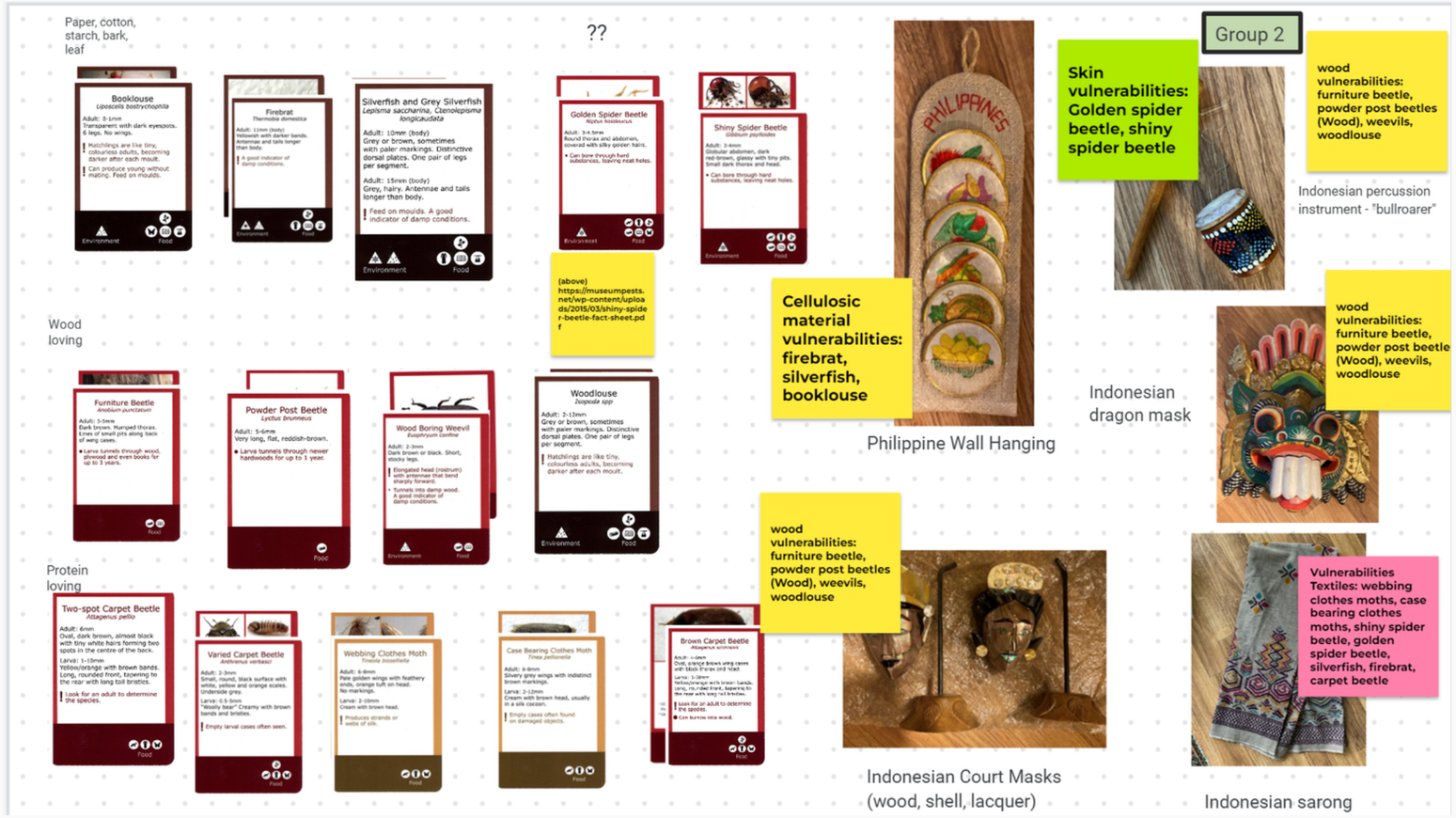
Multiple Perspectives

Comes from Indigenous Knowledge

Inherent in the two-eyed seeing approach is a respect for different worldviews and a quest to outline a common ground while remaining cognizant and respectful of the differences.

"Tabletop" Activities

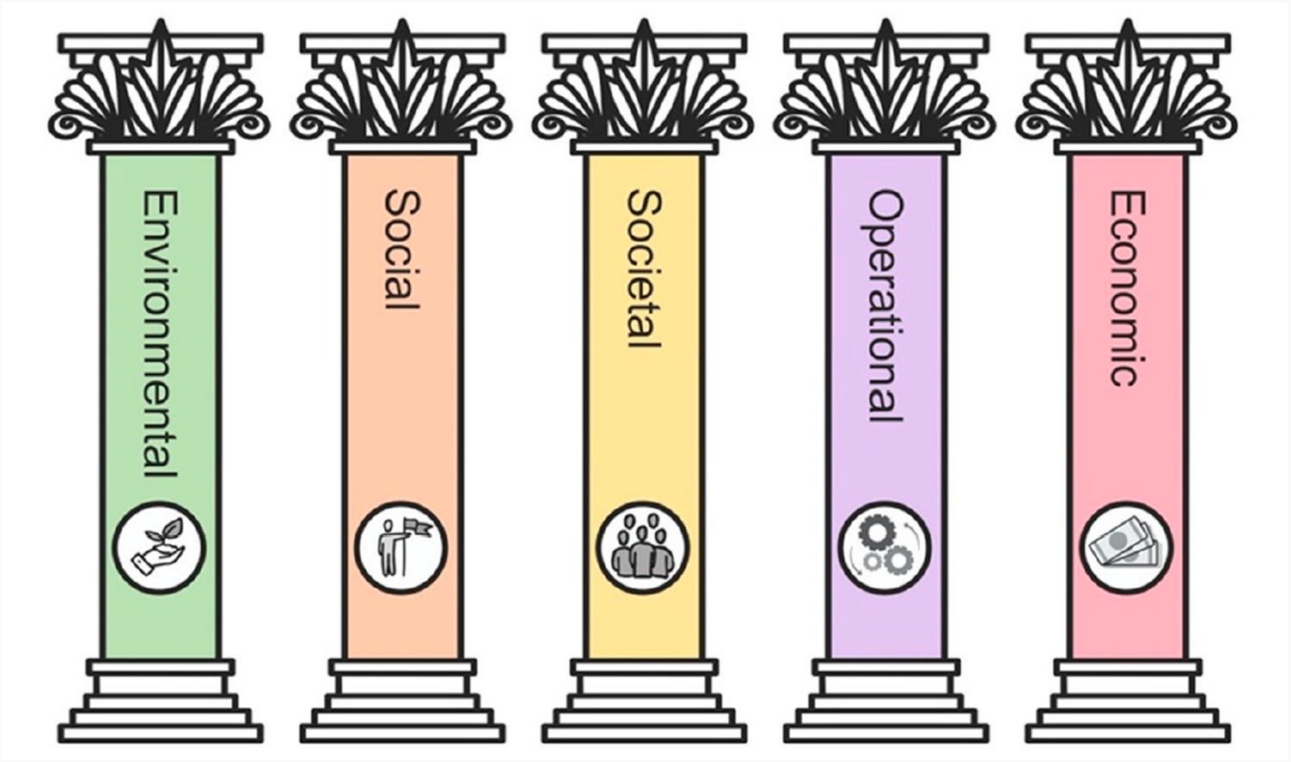




Carmichael, David W. (2010) *Implementing the Incident Command System at the Institutional Level.*

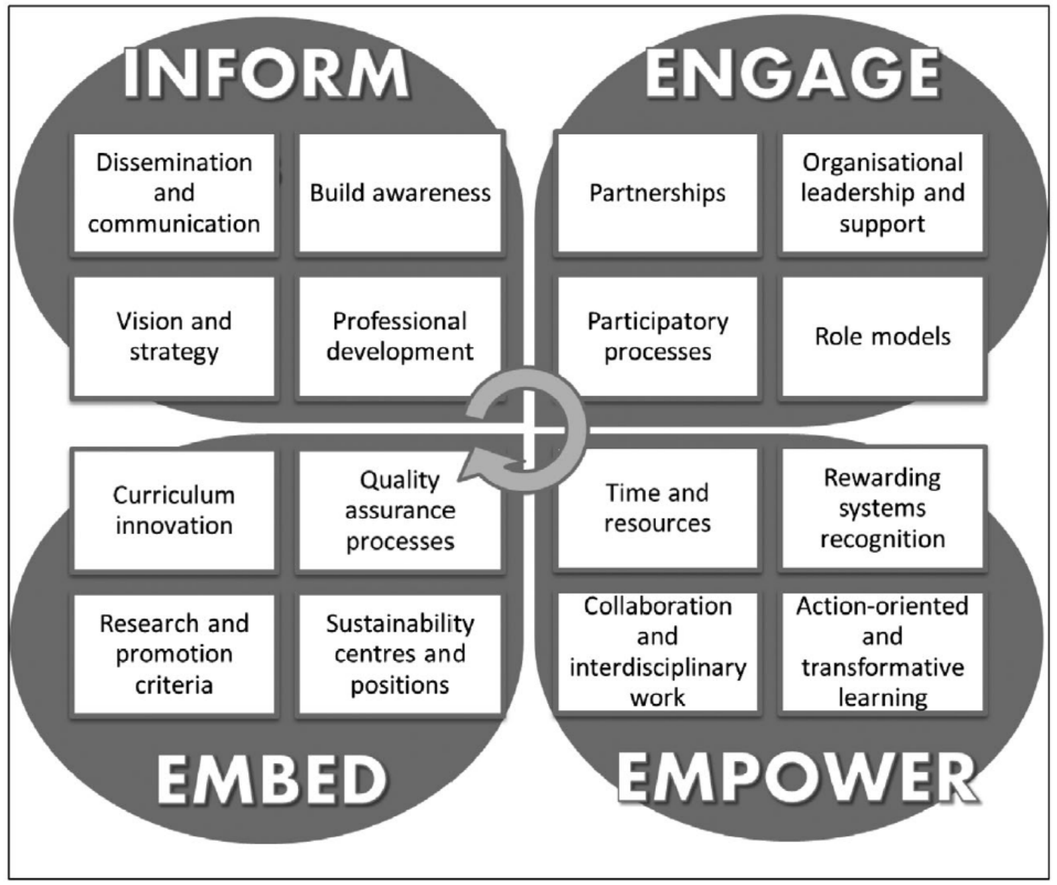
"Save the Museum" Pest Cards, created by South West Museum Development as part of Pest Partners, a Historic England funded project

Sustainability Frameworks



The five ‘pillars’ used to model sustainable decision-making.

David Saunders (2022): A Methodology for Modelling Preservation, Access and Sustainability, Studies in Conservation



The I3E model to embed EfS within higher education.

Gisela Cebrián (2018) The I3E model for embedding education for sustainability within higher education institutions, Environmental Education Research, 24:2, 153-171

Sustainability Projects

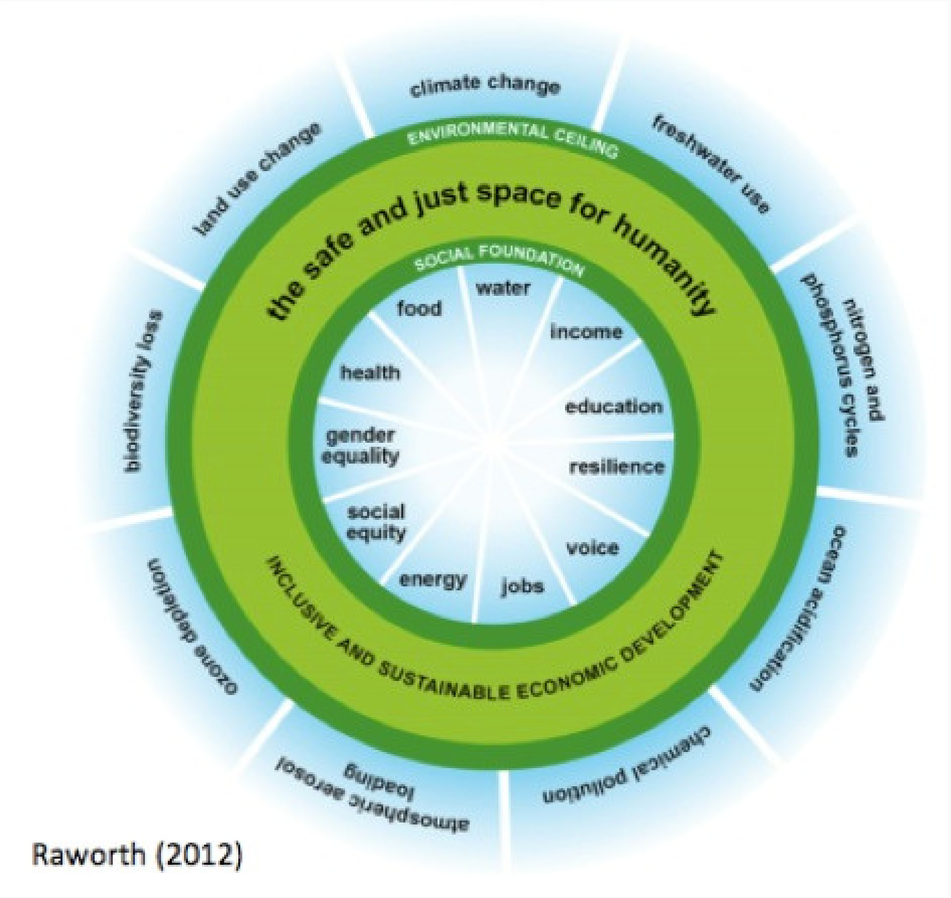
Sustainable Development Goals Report (2022), United Nations

Climate Heritage NETWORK

ICCROM

Economic Sustainability

Planetary Boundaries - Doughnut Economics

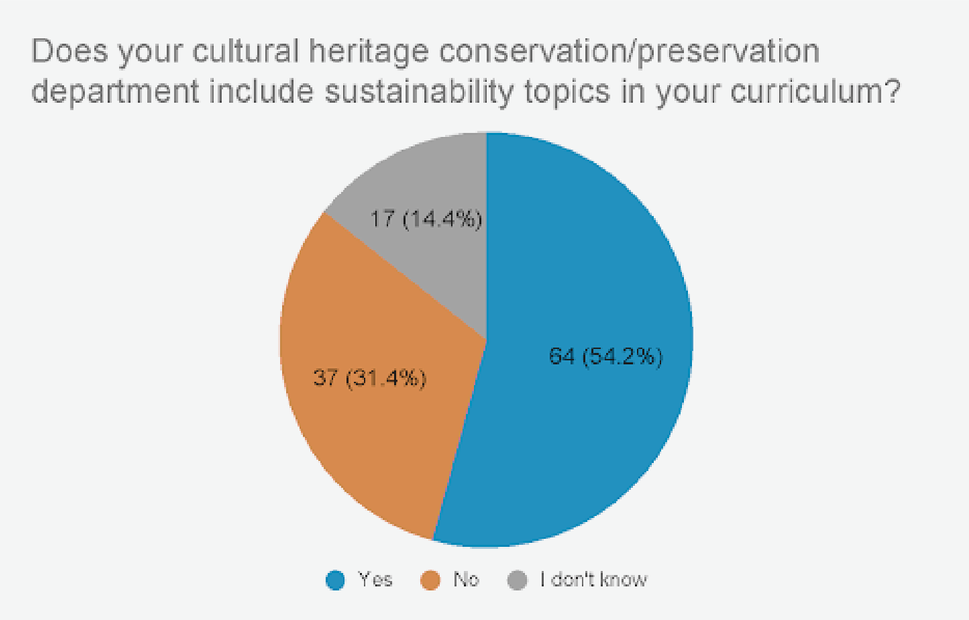


"the economy embedded within society, within nature, and powered by the sun"

Raworth, K. (2018). Doughnut Economics. White River Junction, VT: Chelsea Green Publishing Company.

State of the Field

Sept 2021 (95 respondents from 21 countries)



How do other programs incorporate sustainability curricula?

- Exercises / Req. Reading / Guest Lectures
- Integrated (68%)
- Environmental - Cultural - Social Sustainability

Green Lab Initiatives

- Reducing Waste
- Eco-friendly Alternatives
- Greener Solvents
- Reusing Materials

The work continues

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Credits

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We also appreciate the time and commitment to this project by our advisory board members.

Fife, G. R., & Sustainability in Conservation. (2021). Greener solvents in conservation: An introductory guide.

"Our Ancestors Knew Best: Traditional Southeast Asian Textile Treatments and their Place in Modern Conservation" (2020) editors Julia M Brennan, Linh Anh Moreau

Weaving Ways: Indigenous Ways of Knowing in Classrooms and Schools. (n.d.) Alberta Regional Professional Development Consortium.

Meadows, D. H., & Wright, D. (2015). Thinking in systems: A primer.