

Developing a Framework for Assessing Environmental Literacy

October 30, 2012
Climate Literacy Network
Karen Hollweg



What an assessment framework

is...

- guidance for people creating an assessment (i.e., test items & survey questions)
- components & contexts to be assessed, based on research
- specifications re: the % and types of items for each component

is not...

- a test or specific questions that should be asked
- standards or guidelines for what should be in a curriculum
- teaching strategies

Objective: to craft a comprehensive, research-based description of environmental literacy and a framework for assessing environmental literacy ... so that sufficient consistency within and across assessments ...so that cross-comparisons can be made.

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2006 & 2015 PISA Committees

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Literacy is the capacity of students to apply knowledge and skills in key subject areas and to analyze, reason, and communicate effectively as they pose, solve, and interpret problems in a variety of life-situations (OECD, 2010).

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Our 3 Products

Definition of Environmental Literacy

Components of Environmental Literacy

Assessment Framework Examples

- **NELA**

- **A Proposed Framework for Assessing Environmental Literacy in PISA 2015**

Definition

An environmentally literate person is someone who, both individually and collectively with others, makes informed decisions concerning the environment, is willing to act on these decisions..., and participates in civic life. Those who are environmentally literate possess, to varying degrees:

- knowledge and understanding of environmental concepts... and issues;

- a set of cognitive and affective dispositions;

- a set of cognitive skills and abilities; and

- the appropriate behavioral strategies ...to make sound and effective decisions

Components of Environmental Literacy

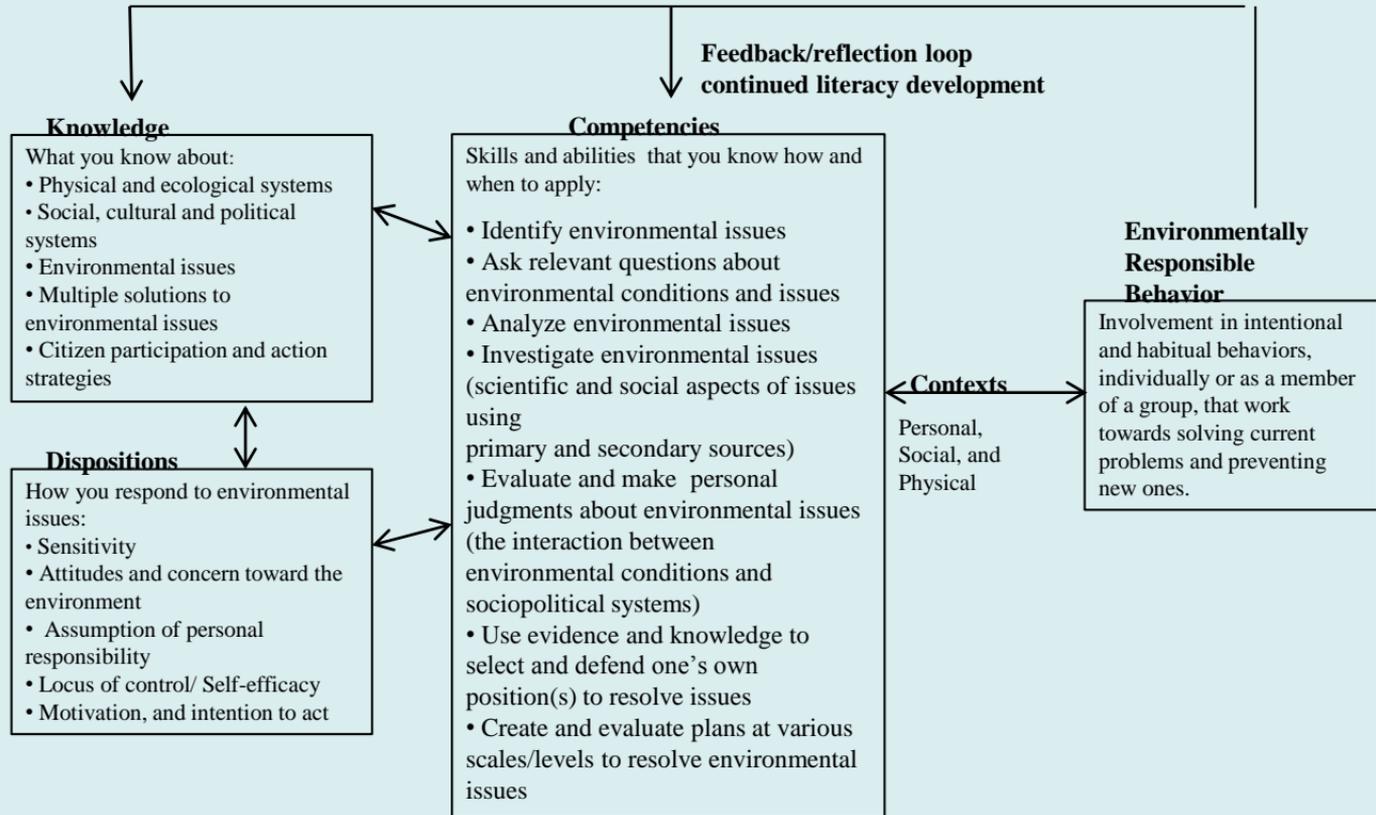
Knowledge

Dispositions

Competencies

Behavior

The domain of environmental literacy from Complete Framework p.3-2 at <http://www.naee.net/framework>



Using the Framework for Assessments of Environmental Literacy

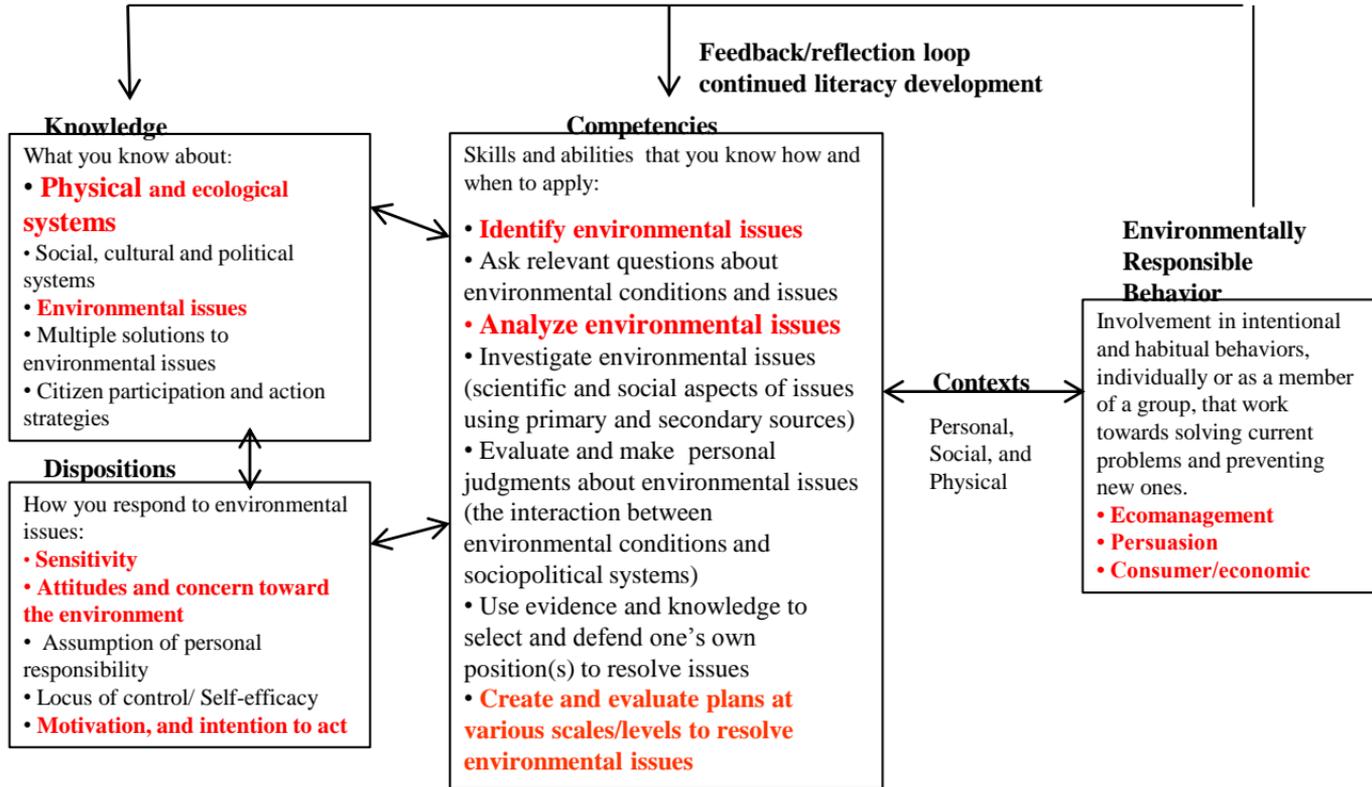
Competencies

Knowledge

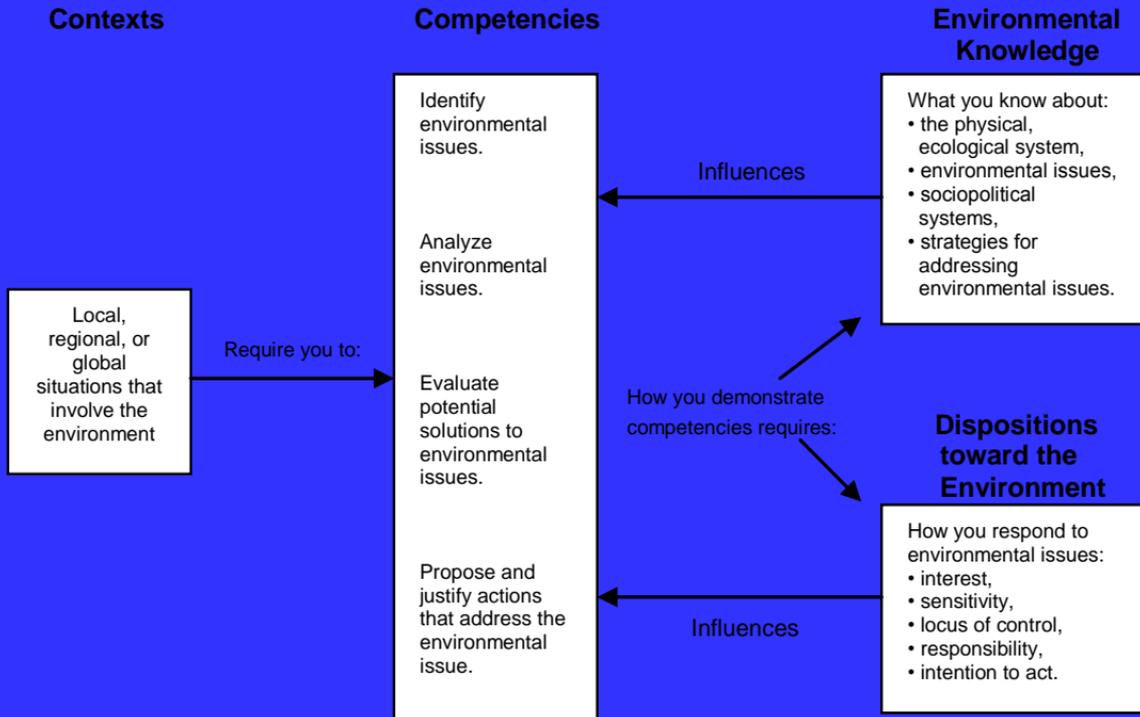
Dispositions

Behavior

Components emphasized in National Environmental Literacy Assessment (NELA)

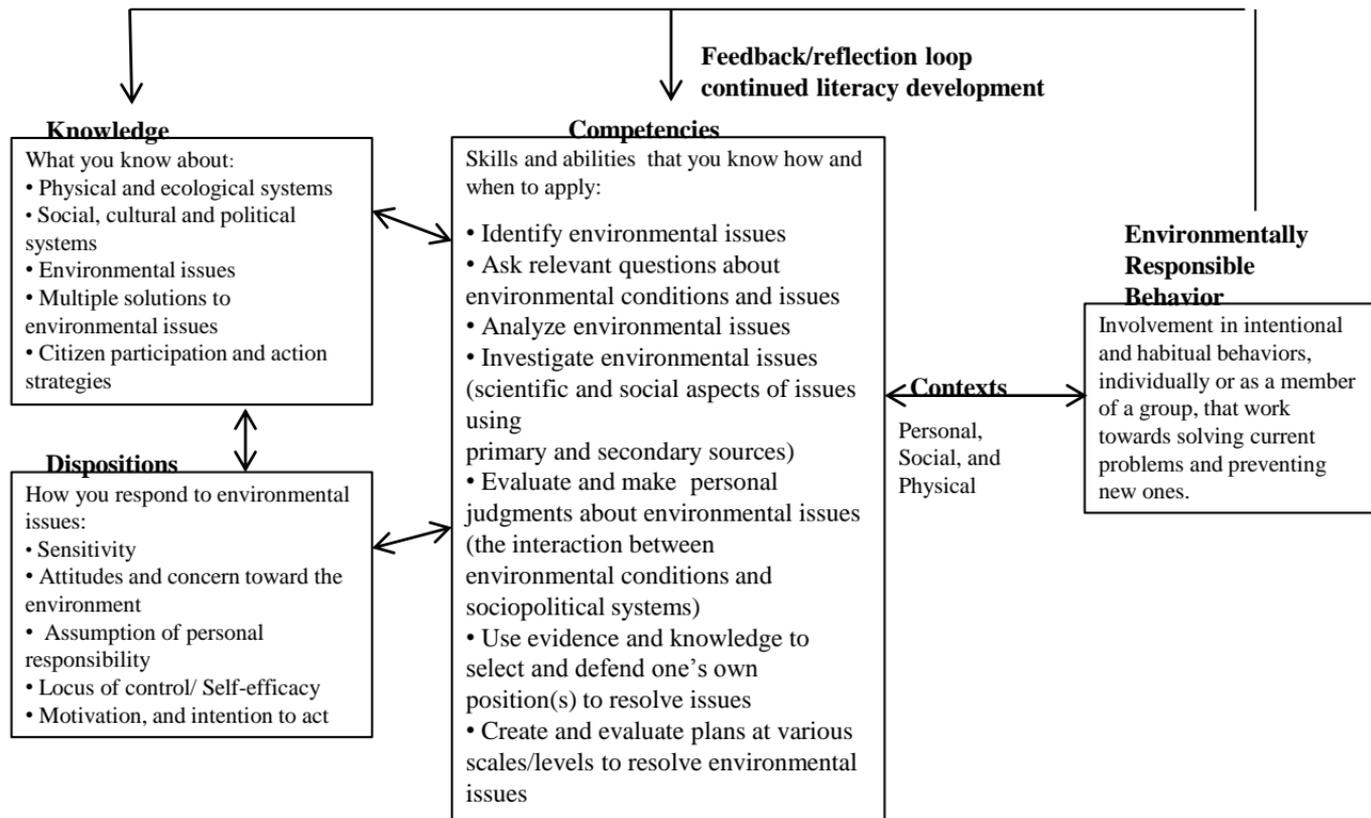


A proposed framework for assessing environmental literacy – PISA 2015



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Developing a Framework for Assessing Environmental Literacy esp. Chapter 3

www.NAAEE.net/Framework





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DEVELOPING A FRAMEWORK FOR ASSESSING ENVIRONMENTAL LITERACY

On December 1, 2011, NAAEE released "Developing a Framework for Assessing Environmental Literacy," at the National Press Club in Washington, DC, and live via the Internet. This document was developed by researchers, educators, and assessment specialists in social studies, science, and environmental education and experts in other related disciplines.

THE WEBCAST

View the archived version of the [entire Webcast](#) and the [accompanying slideshow](#).

DOCUMENTS Produced by the Project

Developing a Framework for Assessing Environmental Literacy: Executive Summary

Brief Descriptions of the Competencies, Knowledge, and Dispositions (listed in the Executive Summary)

Developing a Framework for Assessing Environmental Literacy: Complete Online Edition

Evaluation Report: Framework for the Assessment of Environmental Literacy

THE PEOPLE

Acknowledgements: See a list of all those who worked on the project.

Reactions: Read what people are saying about the Webcast and products from this project.