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Connecting Disciplines to Inform and Develop the Emerging Field of Environmental Health Literacy

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Connecting Disciplines to Inform and Develop the Emerging Field of Environmental Health Literacy



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Roadmap

- Why Environmental Health Literacy?
- Implicated Disciplines
- Examples from the Field
- Whither EHL?









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Health Literacy

- CDC: The capacity to obtain, process, and understand basic health information and services to make appropriate health decisions.
- AMA: The ability to obtain, process and understand basic health information and services needed to make appropriate health decisions and follow instructions for treatment.
- HRSA: The capacity to obtain, process and understand basic health information needed to make appropriate health decisions and services needed to prevent or treat illness.
- Public Health Literacy: The degree to which individuals and groups can obtain, process, understand, evaluate, and act on information needed to make public health decisions that benefit the community. (Freedman et al, 2009)







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Environmental Literacy

- Campaign for Environmental Literacy: The capacity...to act successfully in daily life based on a broad understanding of how people and societies relate to each other and to natural systems....[and] to incorporate appropriate environmental considerations into daily decisions about consumption, lifestyle, career, and civics, and to engage in individual and collective action.
- NAAEE: The capacity for individuals and groups to make informed decisions and to act on these decisions [based upon] knowledge and understanding of a wide range of environmental concepts, problems, and issues.
- The Environmental Literacy Council: A fundamental understanding of the systems of the natural world, the relationships and interactions between the living and the non-living environment, and the ability to deal sensibly with problems that involve scientific evidence, uncertainty, and economic, aesthetic, and ethical considerations.

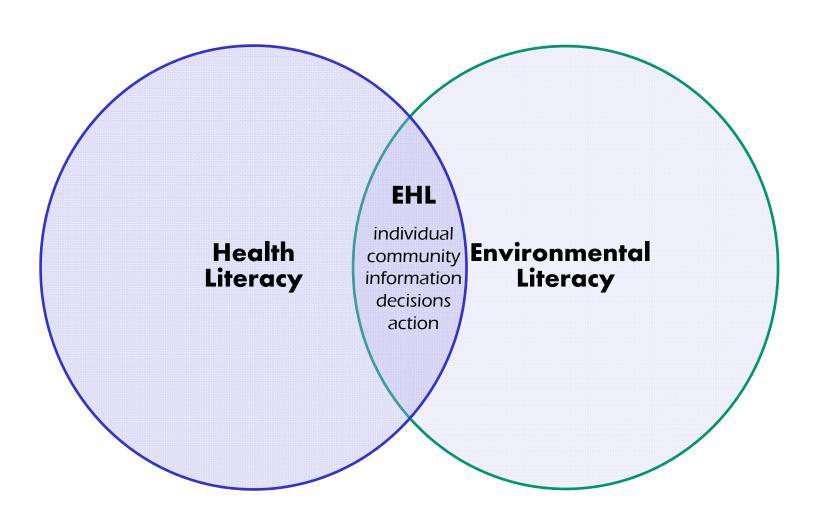






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Environmental Health Literacy









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A Few Implicated Disciplines







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MEDICINE

NURSING

TOXICOLOGY

PUBLIC HEALTH







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ENGINEERING

ENVIRONMENTAL EDUCATION

GEOGRAPHY

POLICY





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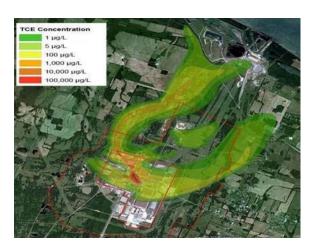
Examples from the Field: Case One

Community-Identified Knowledge Gaps from a Superfund NPL Site

Paducah Future Vision Study

- Kentucky's largest Superfund site
- Chronic risks, statutory complexity
- Stakeholder heterogeneity
- Info Needs: The Site's Future
- Visual Elicitation





Stakeholder Questions

- What chemicals are "out there"?
- What do the chemicals do to health?
- How much groundwater contamination?
- How are "they" monitoring the waste?
- Could an earthquake disturb the waste?
- What keeps contamination from moving further south?
- Is a wind farm an option for the site after it's cleaned up?
- How does the site affect my cancer risk?







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Examples from the Field: Case Two

Stakeholder-Identified Knowledge Gaps for Post-Incident Decontamination and Clearance



Post-Crisis Communication Study

- Hypothetical water terrorism scenario
- Heterogeneous audiences
- Information Needs, Preferred Channels, Credible Sources
- Audio Elicitation

Stakeholder Questions

- What are the "national drinking water standards"?
- How was the water tested, and by whom?
- If water isn't safe for the pregnant, elderly, and children to drink, how can it be safe for me to drink?
- What symptoms should I look for?
- How do I clean my sink after I flush my pipes? My water heater?
- Why should I believe that clear-looking water is dirty?









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Whither EHL



- Who? Which disciplines are implicated that I didn't mention?
- What? What are the boundary conditions and key constructs for environmental health literacy as a field of inquiry?
- Where? In what ways can we privilege context while fostering a foundational set of EHL capabilities?
- Why? How does EHL stand apart from similar pursuits?
- How? How do we negotiate across implicated disciplines?
 Create programming and curricula? Measure success?

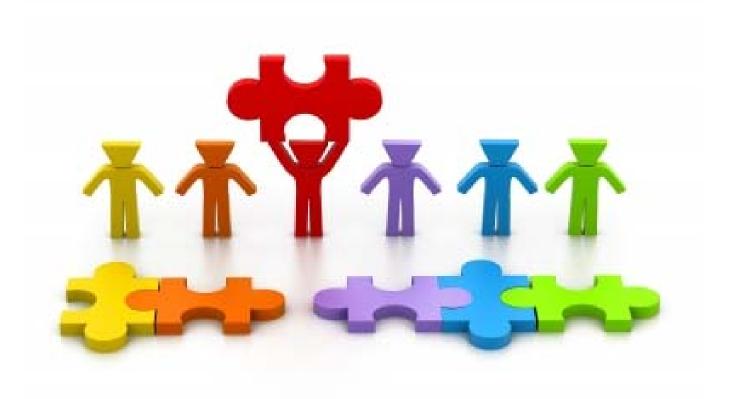






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What piece of the EHL puzzle do YOU have?









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*Detailed findings from the PGDP Stakeholder Future Vision Project are available at www.paducahvision.com.







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