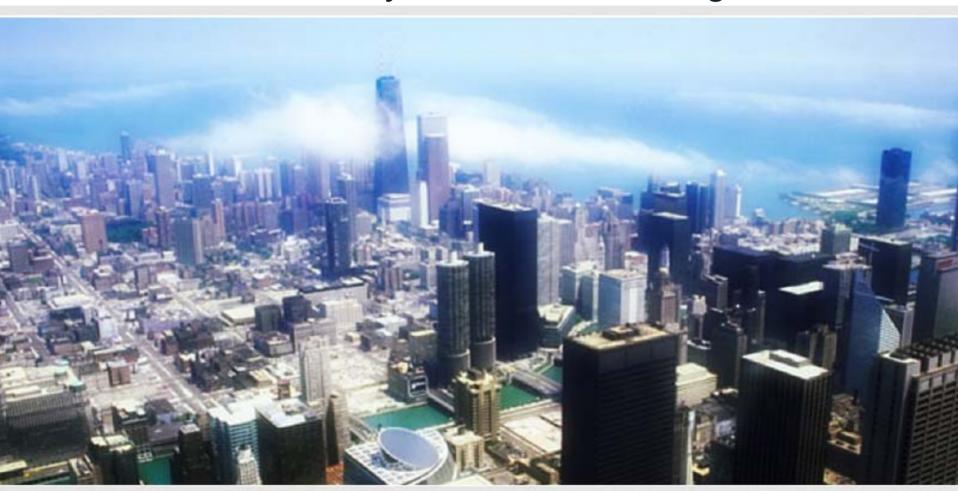
Great Lakes Center of Excellence in Environmental Health University of Illinois at Chicago



GLC CEEH Programs





- Education, Training and Technical Materials
 - GeoLibrary
 - Courses
- Health Hazard Evaluations

Why a GeoLibrary?



- Available online information is varied and not conveniently located
- Information is not easily shared
- Searching for needed information is daunting
- Providing just in time resources for educators and practitioners in all parts of the world

Purpose of Geolibrary



- Create an entirely public domain international website in occupational and environmental health and safety educational materials
- Provide educational materials on the recognition, management, and prevention of occupational and environmental injuries/illnesses for educators and practitioners
- Increase awareness of the role of CDC and other partners in addressing global occupational and environmental health training needs

Features



- Six languages
- Search capabilities
- Annotated
- Variety of formats (web-cast, slide show, course and materials, etc.)
- Ability to suggest materials

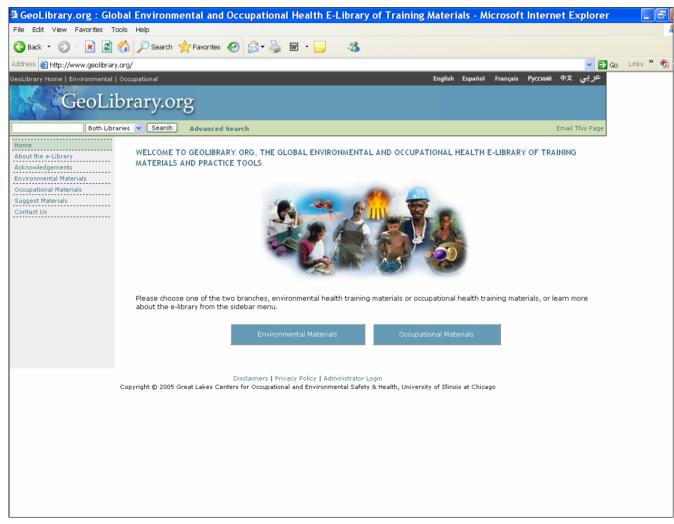
Library Administration



- 242 materials in the library
- 16 local administrators
 - NIOSH
 - CDC
 - WHO
 - EPA
 - Universities

Home Page: www.geolibrary.org





Site in Spanish





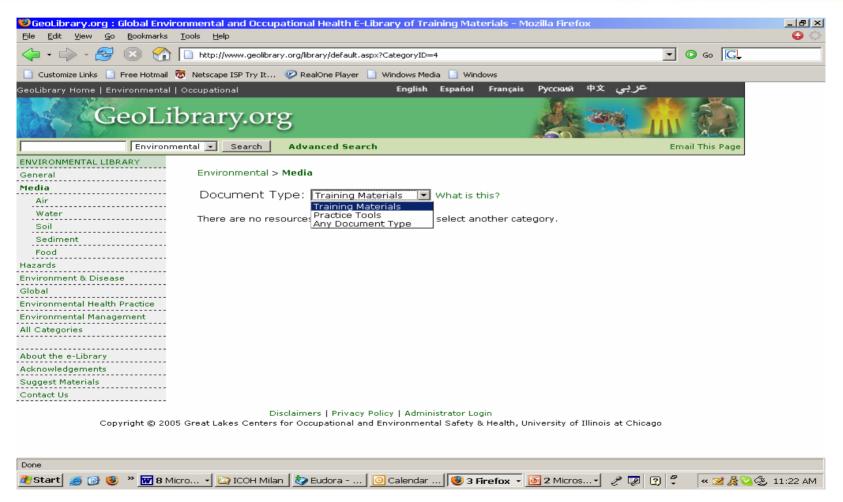
Site in Chinese





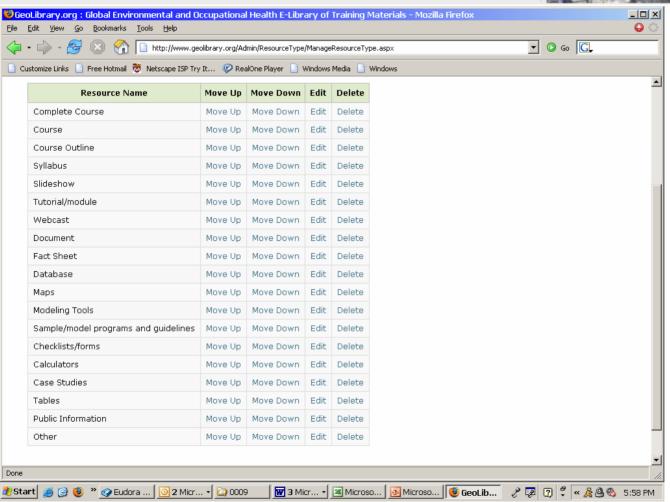
Document Type





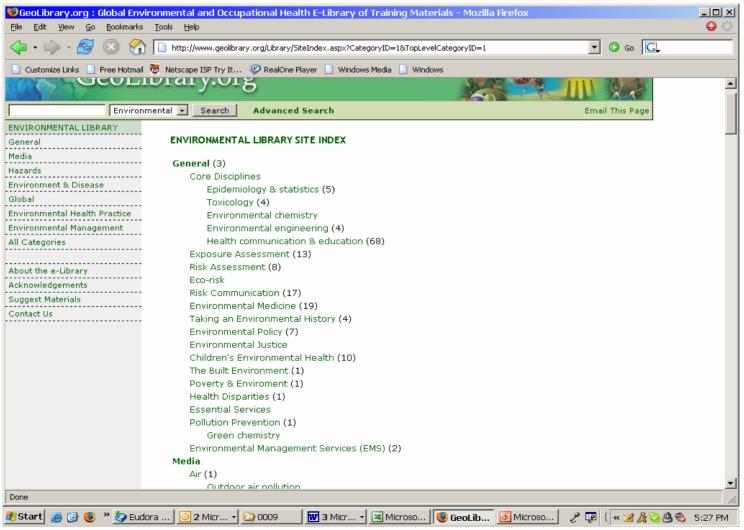
Types of Materials





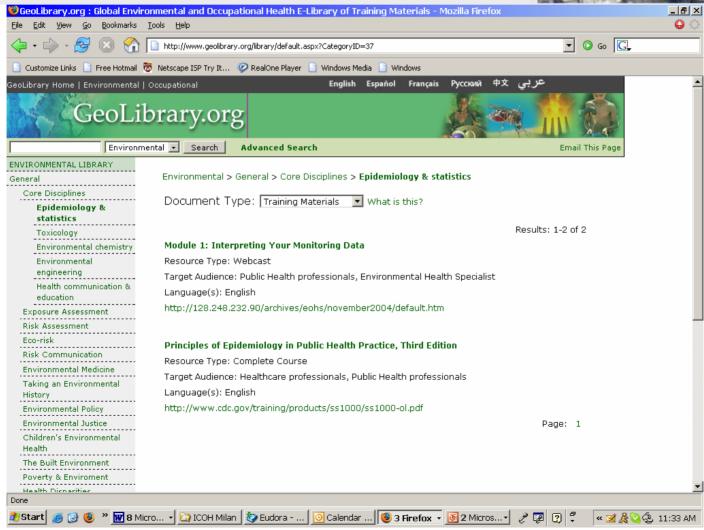
Environmental Site Index





Browsing by Index





Advanced Search



			1 Beer Section 1775 F-17, Application	
ADVANCED SEARCH				
Choo	Choose from the options below to narrow your search.			
	Library:	○ Environmental		
	Description/Title words:			
	Author or Affiliation:			
	Category:			
	Language: (check all that apply)	□ English □ Français □ □ □ □ Español □ РУССКИЙ □ Arabic		
		Another Language 🔻		
	Authored in the:	Any Time		
	Added in the:	Any Time		
	Document Type:	Training Materials 💌		
	Resource Type:	Select		
	Audience:	Any Audience		
	Level of Difficulty:	Any Level of Difficulty 💌		
	Format:	Any Format		
	Test:	OYes ONo		
	On-line Course:	Yes ONo		
		Search		

Environmental Health Materials



- 169 result(s) Examples:
- The Ins and Outs of Integrated Pest Management Resource Type:WebcastTarget Audience:Public Health professionals, Workers, Occupational Safety & Health Specialist, Environmental Health Specialist, Other Language(s):English http://128.248.232.90/archives/glakes/excellence/knight/default.htm

Taking an Environmental History Resource Type:WebcastTarget Audience:Healthcare professionals, Public Health professionals, Environmental Health Specialist Language(s):English http://128.248.232.56/glakes/excellence/danh/default.htm

Lead Poisoning Prevention & Removal Resource Type:WebcastTarget Audience:Public Health professionals, Other Language(s):English http://128.248.232.56/glakes/excellence/lead_poison/

Brownfields Resource Type:WebcastTarget Audience:Public Health professionals, Environmental Health Specialist, Other Language(s):English http://128.248.232.56/glakes/excellence/brownfields/

Spotlight on Children's Environmental Health Resource Type:WebcastTarget Audience:Public Health professionals, Environmental Health Specialist, Other Language(s):English http://128.248.232.56/glakes/excellence/suero/

Environmental Health Materials in Spanish



40 result(s) for: Language=Español Examples:

Guidelines for drinking-water quality, third edition, incorporating first addendum Resource Type:Sample/model programs and guidelinesTarget Audience:Public Health professionals, Other Language(s):English, Español, Français, РУССКИЙ, 汉语, Arabic http://www.who.int/water-sanitation-health/dwq/gdwq3rev/en/index.html

Guidelines for safe recreational waters Volume 1 - Coastal and fresh waters Resource Type:Sample/model programs and guidelinesTarget Audience:Public Health professionals, Environmental Health Specialist, Other Language(s):English, Español, Français, РУССКИЙ, 汉语, Arabic http://www.who.int/water-sanitation-health/bathing/srwe1/en/

Monitoring bathing waters: A practical guide to the design and implementation of assessments and monitoring programmes Resource Type:Sample/model programs and guidelinesTarget Audience:Public Health professionals, Environmental Health Specialist, Other Language(s):English, Español

http://www.who.int/water_sanitation_health/bathing/bathing3/en/index.html

Lessons Learned



- Materials that are currently on the internet or are file documents can be added to the library
- Goal to have at least one material in each category
- Attending meetings and conferences important for identifying and adding materials to the library

- Local administrators need encouragement
- Interactive DVDs can not be added to the library

Courses



- 7 Introduction to environmental health modules
- 20 webcasts
- Classroom based courses

Webcasts

www.uic.edu/sph/glakes/excellence



- <u>Disease & Vector Management of West Nile Virus</u>
- Taking an Environmental History
- Cancer Clusters
- Taking an Occupational History
- Spotlight on Children's Environmental Health
- DPH Safe Chemicals in School Projects
- Industrial Hygiene: Assessment, Controls, Design and Prevention
- West Nile Virus Update

Public Health 470 Series: Environmental Health



- Public Health 470 Series: Environmental Health
 - Document Catalog
- PH 470 Series Syllabus & Resources
- PH 470 Series Syllabus
- PH 470 Series Resources
- PH 470 Series (Environmental Health) Courses
- Public Health 470 Series
- PH 471: What Is Environmental Health?
- Overview
- Exercises
- PH 472: Human Health Effects of Environmental Exposures
- Overview
- Exercises
- PH 473: Source and Hazard Assessment
- Overview
- <u>Exercises</u>
- PH 474: Qualitative Risk Assessment
- Overview
- <u>Exercises</u>
- PH 475: Environmental Health Risk Communication
- Overview
- <u>Exercises</u>
- PH 476: Quantitative Exposure Assessment: Lead Poisoning
- Overview
- Exercises
- PH 477: Environmental Prevention and Control: West Nile Virus
- Overview
- Exercises
- Readings (no text; learning resources are identified in each course)

Webbased Case Studies

<u>www.uic.edu/sph/glakes/ce</u>



Pediatric Toxicology

- This series of interactive case studies will orient the user to important topics in pediatric environmental health. Within the context of a clinical scenario, important information regarding the diagnosis and management of environmental illness will be presented. Additionally, emphasis will be placed on the public health aspects of pediatric environmental illness. The cases are intended for providers involved in the care of children as well as public health practitioners and other health care providers with an interest in environmental health and medicine.
 - The content of this case was developed by Jeffrey Derr, MD; Linda Forst, MD MPH; Anne Krantz, MD MPH; Daniel Hryhorczuk, MD MPH; Jacqueline Wuellner, RN, MPH. The web design on this case was developed by the Center for the Advancement of Distance Education (CADE) at the University of Illinois-Chicago School of Public Health.
- Development of this course was funded by the Association of Occupational and Environmental Clinics, Agency for Toxic Substances and Disease Registry, and the Environmental Protection Agency.
- Association of Occupational and Environmental Clinics
- Agency for Toxic Substances and Disease Registry
- USEPA Region Five

Classroom based courses examples



- Mold and Moisture Introduction
- Mold and Moisture 2 day course
- Recognition, Assessment and Prevention of Bio Chemical Incidents
- Healthy Homes
- Radon Inspection
- Program Evaluation

HHE Program: A Model for Other States



What is an HHE?

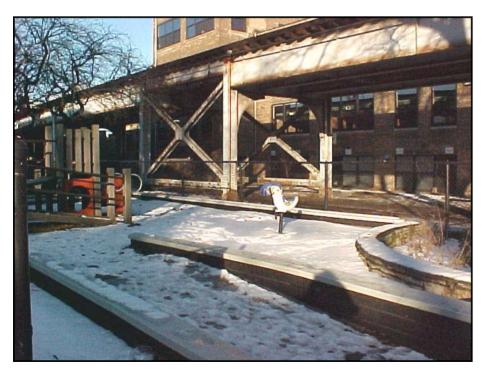
- An investigation of an environmental public health issues outside scope/capacity of public health agencies
- Historical precedent at UIC/GLC
- Justification: 1st CEEH Task Force agreed that HHEs must:
 - Address a community health issue;
 - Coordinate w/ Illinois Department of Public Health, and;
 - Include participation w/ local PH personnel where possible & develop new techniques for investigation if necessary

Some HHEs performed with CEEH Funding



Soil Lead Contamination in Playgrounds near local transit authority elevated train lines

- Participation: Local HD coordination w/ CDPH CLPPP
- Number of people affected: In hundreds





Asbestos Illinois Beach State Park



- Participation: IDPH, IDNR, IEPA, EPA Air and Superfund, Illinois Attorney General, US Army Corp of Engineers
- Number of people affected: Thousands of annual visitors, park staff





Hartford, IL Vapor Intrusion in Homes: Linked to Weather Conditions and River Level











Model Program



- Assess current capabilities and needs of state partners in our Partnership Meetings
- Promote or adapt our model to state partners who are interested
- Provide technical assistance and guidance until the state HHE teams are able to function independently
- HHEs constitute intervention, vs. CE and prevention

Lessons learned



Successful functioning of joint health department and academic PH center involves 7 issues:

- Memo of Understanding to conduct HHEs
 - May indemnify state & state-funded agencies, documents state-sponsored activity
- HHEs often multi-disciplinary
 - Require expertise in exposure assessment, health assessment, & risk communication; program credibility ensures assistance from federal agencies & experts in relevant fields

More lessons



- HHEs should provide practical training & research insights & opportunities
 - For health departments
 - For academic students & faculty
- State HDs should have mechanism to involve local health departments in community issues

Lessons learned



- Funding may come from a variety of sources:
 - Contributed time & equipment
 - Fees or contributions from interested parties
 - Efficiencies in established program...
- HHEs should be transparent:
 - With appropriate confidentiality for affected parties and especially individuals
 - Sensitive & non-public issues may be better served by private industry

Feedback



 How can we get other states & universities interested in implementing a new (& probably unfunded) HHE program?

Contact



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