Preservation Best Practices for Collections Stewardship
Resource List
Session 2: The Role of Environment in Collections Care:
Temperature & RH, Lighting, and Pest Management

General Resource
Connecting to Collections Online Community
http://www.connectingtocollections.org
A thorough online resource with a links to a variety of preservation resource materials. Also includes links to archived webinars on a variety of preservation and collections care topics. An entire section of the website is dedicated to environment and can be found here:
http://www.connectingtocollections.org/all-topics/manage-collections-environment

Environment and Environmental Monitoring
In the preservation and conservation community temperature, relative humidity (RH), and light are often considered together when discussing environmental conditions that affect collections. Many environmental guidelines and guidebooks cover all three factors as a part of environmental monitoring, while others may focus on the environmental impact of one.

Canadian Council of Archives. "Environment" in *Basic Conservation of Archival Material.* Canada; Canadian Council of Archives, 2003. http://www.cdncouncilarchives.ca/RBch3_en.pdf
Covers environmental standards, environmental monitoring equipment, light, temperature and relative humidity, mold, and pollutants. Includes a helpful chart of environmental standards and guidelines for storage of materials by type.

Environmental Monitoring – Image Permanence Institute.
https://www.imagepermanenceinstitute.org/environmental/overview
The Environmental Monitoring section of the Image Permanence Institute hosts a variety of helpful resources on environmental monitoring, including the Dew Point Calculator, eClimate Notebook, and the PEM2 Datalogger.

"Environmental Monitoring" – University of Illinois at Urbana-Champaign University Libraries
http://www.library.illinois.edu/prescons/services/environmental_monitoring/monitored_spaces/index.html
Provides insight into the environmental monitoring program at the University of Illinois at Urbana-Champaign University Libraries. Includes examples of annual reports for various monitored library spaces.

Henderson, Jane. *Environment*. London: British Library Preservation Advisory Centre, 2013.
http://www.bl.uk/blpac/pdf/environment.pdf

A helpful booklet by the British Library Preservation Advisory Group for managing the library and archive environment. Covers topics including temperature and relative humidity, the accuracy, sustainability, and cost monitoring, and interpreting the results.

Huxley, Alisa and Rachel Perkins Arenstein. Choosing The Data Logger That Is Right For You [Webinar] In Connecting to Collections Online Webinars, March 6, 2012. http://www.connectingtocollections.org/recording-community-webinar-choosing-the-datalogger-that-is-right-for-you
A webinar that provides an overview of dataloggers and datalogger systems.

Ogden, Sherelyn. 2.1 Temperature, Relative Humidity, Light, and Air Quality: Basic Guidelines for Preservation. Northeast Document Conservation Center, 2006. http://www.nedcc.org/free-resources/preservation-leaflets/2.-the-environment/2.1-temperature,-relative-humidity,-light,-and-air-quality-basic-guidelines-for-preservation
A preservation leaflet from the Northeast Document Conservation Center covering basic guidelines for temperature, relative humidity, light, and air quality for library and archives. Other helpful leaflets in The Environment series include "Monitoring Temperature and Relative Humidity," "Getting Function From Design: Making Systems Work," and "Low Cost/No Cost Improvements in Climate Control."

Wilson, William K. *Environmental Guidelines for the Storage of Paper Records*. National Information Standards Organization (NISO) Technical Report, NISO-TR0I-1995. Bethesda, MD: NISO Press, 1995. http://www.niso.org/publications/tr/tr01.pdf
The NISO report referenced in the webinar on environmental guidelines for storage of paper records.

Light

Canadian Conservation Institute. "Ultraviolet Filters." *Canadian Conservation Institute (CCI) Notes 2/1.* Ottawa, ON: Minister of Public Works and Government Services, 1994. http://www.cci-icc.gc.ca/publications/notes/2-1_e.pdf
A short technical leaflet on measuring and blocking UV light

Malaman, David. "Lighting for Libraries." Libris Design Project. 2005. http://www.librisdesign.org/docs/LightingLibraries.pdf
A resource that provides information on a variety of lighting options for libraries.

Sackler Gallery & Freer Gallery of Art. "Light Duration Guidelines for Exhibited Works of Art." Smithsonian Institution. http://www.nps.gov/hfc/pdf/ex-cons/final-sackler-freer.pdf
A handy tip sheet for determining how long certain materials types can/should be exposed to light.

Pest Management

Huxley, Alisa, Carol DiSalvo, and Barbara Cumberland. Community Webinar: Identifying Museum Insect Pest Damage and Addressing it with Integrated Pest Management [Webinar]. In Connecting to Collections Online Community Webinars. July 20, 2011.
http://www.connectingtocollections.org/community-webinar-pest-management
A webinar on pests and the damage they can cause by the Integrated Pest Management Coordinator at the National Park Service and a conservator.

"Integrated Pest Management" – University of Illinois at Urbana-Champaign University Libraries
http://www.library.illinois.edu/prescons/services/ipm
Integrated Pest Management guidelines by the University Library at the University of Illinois.

National Park Service. "Conserve O Gram 3.11: Identifying Museum Insect Pest Damage." National Park Service: Washington, DC, August 2008.
http://www.nps.gov/museum/publications/conserveogram/03-11.pdf
A short guide from the National Park Service covering the identification of basic wood, paper, textile, and general pests.

Patkus, Beth Lindbloom. 3.10 Integrated Pest Management. Northeast Documentation Center, 2012.
http://www.nedcc.org/free-resources/preservation-leaflets/3.-emergency-management/3.10-integrated-pest-management
A preservation leaflet from the Northeast Document Conservation Center covering pests, pest habitats and habits, IPM strategies, and treatment methods.

"What's Eating Your Collection?" – Birmingham Museums
http://www.whatseatingyourcollection.com
An interactive website by the Birmingham Museums aimed at helping institutions understand pest management and how to carry it out. Includes resources to help identify insects and solve your pest problems, as well as identify risk areas in your institution.