

Agenda

Presented by Andrew Millison

Part 1: Climate Assessment

Climate

Climate defined

Climate Classification Systems

How to classify a climate zone using common scientific definitions:

Koppen Geiger Koppen Trewartha
Thornthwaite

The Climate Analogue Tool

Locating and learning from kindred climates
How to use Google Earth Climate Analogue Examples

Climate Change Projections

Scientific consensus on specific changes for each climate zone
Case Study: The Pacific Northwest

Climate Change Analogue

Locating future kindred climates
Case Studies: Climate change analogue examples

Part 2: Design Strategies for Climate Resilience

Drought, Heat, and Erratic Rainfall

Threat summary	Extreme events
Site mitigation plan	Regional mitigation
Recovery	Case studies

Wildfire

Threat summary	Extreme events
Site mitigation plan	Regional mitigation
Recovery	Case studies

Tropical Cyclone Effects

Threat summary	Extreme events
Site mitigation plan	Regional mitigation
Recovery	Case studies

Sea Level Rise and Flooding

Threat summary	Extreme events
Site mitigation plan	Regional mitigation
Recovery	Case studies

Designing for Climate Resiliency
Portland, OR - Tuesday, March 12, 2019



Halfmoon Education Inc.
PO Box 278
Altoona, WI 54720-0278

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Learning Objectives

You'll be able to:

Understand how to classify a climate zone using common scientific definitions.

Locate and learn from kindred climates.

Evaluate threats from drought, heat and erratic rainfall.

Explore threats from sea level rise, flooding and tropical storms.

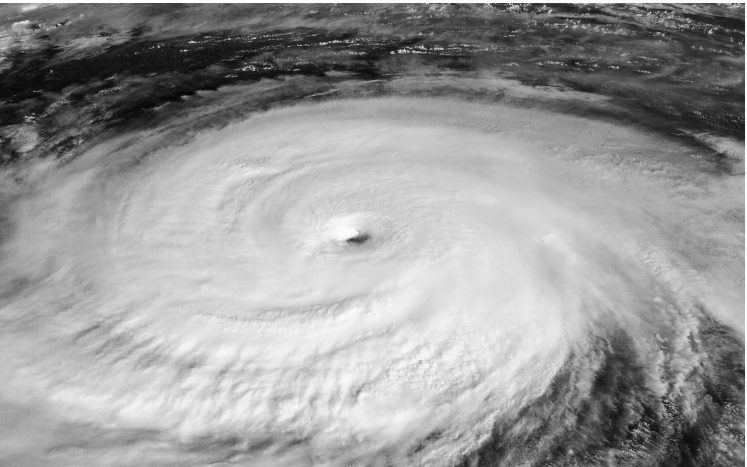
Discuss increased threats from wildfire and examine wildfire mitigation plans.

Develop design strategies to create climate resilience.



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Understand climate change projections

Identify climate classification systems

Examine the climate analogue tool

Learn design strategies for climate resilience

Explore climate-related threats such as droughts, wildfires and tropical cyclones

Discuss case studies for various climate conditions

Continuing Education Credits

Architects

6.5 HSW CE Hours (CEHs)
6.5 AIA HSW Learning Units

Professional Engineers

6.5 PDHs

Contractors

6.5 Commercial CE Hours



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Faculty

Andrew Millison *Permaculture Rising*

Mr. Millison has been studying, teaching and practicing permaculture since he took his first design course in 1996. He started teaching permaculture at the college level in 2001, and has been an instructor at OSU in the Horticulture Department since 2009. Mr. Millison first learned Permaculture in the drylands, where he studied at Prescott College for his undergraduate and master’s degrees. In Arizona, his focus was on rainwater harvesting, greywater systems, and desert agriculture. He started a landscape design and build company, and also worked in an ecologically-based landscape architecture firm. In recent years, Mr. Millison’s focus has been more on broad scale farm planning, permaculture housing developments, obtaining water rights, and adapting civilization for climate resilience. In 2017 he wrote the book *Permaculture Design Tools for Climate Resilience*. Mr. Millison brings his rich experience of designing and building his own and clients’ projects for over 20 years to his teaching, and seeks to impart real world experience to his students.

Seminar Information

Holiday Inn Portland Airport 8439 NE Columbia Blvd. Portland, OR 97220 (503) 256-5000	Registration 8:00 - 8:30 am Morning Session 8:30 am - 12:00 pm	Lunch (On your own) 12:00 - 1:00 pm Afternoon Session 1:00 - 4:30 pm
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Tuition
\$289 for individual registration
\$269 for three or more simultaneous registrations.

Included with your registration: Complimentary continental breakfast and printed seminar manual.

Receive a reduced tuition rate of \$101 by registering to be our on-site coordinator for the day. For availability and job description, please visit www.halfmoonseminars.org.

How to Register

- Visit us online at www.halfmoonseminars.org
- Mail-in or fax the attached form to 715-835-6066
- Call customer service at 715-835-5900

Cancellations: Cancel at least 48 hours before the start of the seminar (CDT), and receive a full tuition refund, minus a \$39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another seminar or the CD/manual package. You may also send another person to take your place.

Additional Learning

Webinar Series

Off-Grid Master Class

- **Off-Grid Master Class, Part I**
Wed., Feb. 6, 2019, 11:00 AM -2:15 PM CST
- **Off-Grid Master Class, Part II**
Thurs., Feb. 7, 2019, 11:00 AM -2:15 PM CST

Complying with ADA Standards for Accessible Design

- **Complying with Federal and State Accessibility Requirements**
Thurs., Feb. 7, 2019, 11:00 AM -1:30 PM CST
- **Meeting Requirements in IBC and ADA Standards**
Fri., Feb. 8, 2019, 11:00 AM -1:30 PM CST

For more information and other online learning opportunities visit:
www.halfmoonseminars.org/webinars/

Continuing Education Credit Information

This seminar is open to the public and offers 6.5 HSW continuing education hours to architects and 6.5 PDHs to professional engineers in all states. This seminar also offers 6.5 continuing education hours to Oregon commercial contractors. Educators and courses are not subject to preapproval in Oregon.

This seminar is approved by the American Institute of Architects for 6.5 HSW Learning Units (Sponsor No. J885). Only full attendance can be reported to the AIA/CES.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700), New York (NYSED Sponsor No. 35), North Carolina, and North Dakota. HalfMoon Education an approved Florida architect continuing education provider and is deemed an approved continuing education sponsor for New York architects.

Attendance will be monitored, and attendance certificates will be available after the seminar for most individuals who complete the entire event. Attendance certificates not available at the seminar will be mailed to participants within fifteen business days.

Can’t Attend? Order the Manual and Audio from the Live Seminar as a Self-Study Package!

An audio recording of this seminar is available for \$289. Allow four weeks from the seminar date for delivery. Please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

Special Inspections

- **Introduction to Chapter 17: Special Inspections**
Wed., Feb. 13, 2019, 11:00 AM - 12:30 PM CST
- **Soils and Foundations**
Wed., Feb. 13, 2019, 1:00 -2:30 PM CST
- **Reinforced Concrete and Structural Steel**
Thurs., Feb. 14, 2019, 11:00 AM -12:30 PM CST
- **ACT Ceiling Grid, Epoxy Anchors, and Fire Penetrations**
Thurs., Feb. 14, 2019, 1:00 -2:30 PM CST

Foundations in Cold Regions

- **Introduction to Cold Regions Foundations**
Thurs., Feb. 21, 2019, 11:00 AM -12:30 PM CST
- **Shallow Foundation Design in Cold Regions**
Thurs., Feb. 21, 2019, 1:00 -2:30 PM CST
- **Deep Foundation Design in Cold Regions**
Fri., Feb. 22, 2019, 11:00 AM -12:30 PM CST
- **Foundation Construction in Cold Regions**
Fri., Feb. 22, 2019, 1:00 -2:00 PM CST

Registration

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How to Register	
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Tuition	
() I will be attending the live seminar. Single Registrant - \$289.00 . Three or more registrants from the same company registering at the same time - \$269.00 each.	
() I am not attending. Please send me the self-study package for \$289.00 . ☐ Downloadable MP3 Audio/PDF Manual ☐ CD/Manual Package (Please allow four weeks from seminar date for delivery)	
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