



West Coast Climate & Materials Management Forum

Built Environment and Embodied Carbon Emissions

October 12th from 10:00 – 11:30 a.m. (PST)

Register [here](#)

Next up in the West Coast Forum on Climate and Materials Management's 2017-2018 Webinar Series is a focus on the Built Environment. Often this topic connects climate to building operations with regards to energy and water efficiency and renewable energy. However, significant greenhouse gas emissions also occur before the building is even inhabited, during design, construction and the sourcing of building materials. These 'embodied' carbon emissions can be addressed by understanding their sources and designing our built environment to optimize material use. This webinar brings together four industry and government leaders in analyzing and finding solutions through the Embodied Carbon Network and their academic and professional practices.



Wes Sullens, LEED Fellow, is the Director for Building Codes Technical Development at the U.S. Green Building Council. Mr. Sullens specializes in green building rating system development, construction waste management, and progressive green building codes advocacy. His current role is aligning the technical requirements from the USGBC's LEED Rating System to green building codes, including the model International Green Construction Code. He also leads the Materials and Resources technical advisory group for the LEED Rating System. Prior to USGBC, Mr. Sullens worked for 10 years in local government at StopWaste where he managed sustainability programs and participated in the development of California's Green Building Standards Code (CALGreen).



Jordan Palmeri is a Senior Policy Analyst in the Materials Management Program at the Oregon Department of Environmental Quality, where he coordinates projects around the built environment, life cycle assessments, and purchasing. He's worked on building and zoning codes, rating systems, and served as a technical and policy expert for small housing initiatives. He recently finished a 2-year term on the US Green Building Council's Materials and Resources Technical Advisory Group and is now leading a program to help Oregon concrete producers develop Environmental Product Declarations (EPDs). Jordan holds a MS in Environmental Science from Tulane University.



Kate Simonen is an Associate Professor in the Department of Architecture at the University of Washington with over 15 years of professional practice experience as an architect and structural engineer. Her research is focused on understanding and reducing the environmental impacts of manufacturing building materials and products through the use of environmental life cycle assessment. She is founding director of the Carbon Leadership Forum, an industry-academic collaborative focused on linking LCA to design and construction practice. She authored a book, *Life Cycle Assessment*, an LCA primer for building industry professionals and has active research projects using whole building life cycle assessment to evaluate design alternatives.



With a 40-year background in sustainable design, **Larry Strain** (FAIA) of Siegel and Strain Architects is a past board member of the Northern California Chapter of the USGBC, is a member of the AIA Materials Knowledge Working Group, serves on the boards of the Ecological Building Network and the Carbon Leadership Forum (CLF) and was on the research team for the Embodied Carbon Benchmarking project with the CLF. For the past decade, Mr. Strain has focused on reducing the total carbon footprint of our buildings.

More to come on the continuation of the series in 2018:

- **Thursday, November 30th 10:00-11:30 am (PST):** Motivators to Reduce Wasted Food
- **February 2018:** Advancing Sustainable Consumption: New Tools for Local Government
- **April 2018:** Consumption and GHGs: New Models and Insights
- **June: 2018:** Measuring Success in Reducing Wasted Food Presented by Oregon DEQ and Portland State University

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