

Climate Change Adaptation- Webinars

1. **Title: Successful Adaptation to Climate Change. American Society of Adaptation Professionals.** Moser, S. (2015, February 9).

Description: Dr. Moser uses a recent research project working with coastal practitioners in Washington, Oregon, and California, to discuss and share insights into some of the most pressing questions in the field of adaptation. What does success look like in this rapidly changing field? How do we are making progress? These are non-trivial questions when it comes to a multi-dimensional and multi-faceted issue like climate change adaptation.

Retrieved from <https://adaptationprofessionals.org/asap-webinar-successful-adaptation-to-climate-change/>

2. **Title: Food system Resilience in an era of Globalization and Environmental Change. Security and Sustainability Forum.** Eakin, H. (2015, October 19).

Description: This webinar explored the concept of food system resilience in its broadest sense — the capacity to respond to disturbances in ways that maintain essential structure and function in an era of globalization and environmental change. For food systems, maintaining the capacity for food provisioning into the future is paramount. As food systems have become increasingly interconnected and interdependent globally, their resilience must also be considered in the context of this interconnectivity.

Retrieved from <http://securityandsustainabilityforum.org/food-system-resilience-in-an-era-of-globalization-and-environmental-change-7132>

3. **Title: Urban Resilience in the era of Climate Change. Security and Sustainability Forum.** Benfield, K. (2015, October 29).

Description: In an era rocked by climate change and other large-scale disruptions, our cities must be resilient to survive and thrive. But what does that mean, exactly? What characteristics do resilient cities share, and what can be done to cultivate them? How does resilience differ from sustainability, and where do the concepts overlap? Is resilience determined by a city's "hardware"-its infrastructure and built environment-or its "software," its political will and social capital?This webinar, explored these pressing questions through the lenses of urban sustainability, resilience thinking, and the practical, day-to-day management of cities

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4. **Title: Applying Resilience thinking: Seven principles for building Resilience in Social-Ecological Systems. *Security and Sustainability Forum*.** Shoon, M. (2016, March 10).

Description: Over the past decades, few concepts have gained such prominence as resilience, the capacity of a system to deal with change and continue to develop. There has been an explosion of research into ways to promote or undermine the resilience of various systems, be it a landscape, a coastal area or a city. However, the multitude of suggested factors that enhance resilience has led to a somewhat dispersed and fragmented understanding of what is critical for building resilience and how an understanding of these factors can be applied. This webinar convened authors of the publication with the same name to discuss seven principles that clarify how to apply resilience thinking and address the interactions among the underlying social and ecological systems.

Retrieved from <http://securityandsustainabilityforum.org/applying-resilience-thinking-seven-principles-for-building-resilience-in-social-ecological-systems-7524>

5. **Title: Resilient by design. *Security and Sustainability Forum*** Fiksel, J., & Wyman, M. (2016, April 7)..

Description: This webinar describes the principles of resilience, and uses examples to demonstrate resilient thinking to improve long-term sustainability of social and natural capital. Retrieved from <http://securityandsustainabilityforum.org/resilient-by-design-7579>

6. **Title: Green Infrastructure and Flood Resiliency-Land use management as an Adaptation strategy in the built Environment. *Security and Sustainability Forum*.** Roseen, R. (2015, January 29).

Description: This webinar addresses assessment, planning, and adaptation to not only better prepare for the next emergency, but to sustainably manage flooding and storm water to maintain human health and a vibrant local economy. With excellent case studies, viewers learn about the latest innovative approaches to understand the effects of inland flooding and apply low-impact development (LID), site design, and smart growth practices at different scales of implementation. This webinar references pioneering hydrology-based, sub-watershed approaches that have shown mitigation potential not only for storm water and flooding, but to the loss and degradation in water quality.

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Retrieved from <http://securityandsustainabilityforum.org/january-29-green-infrastructure-and-flood-resiliency-land-use-management-as-an-adaptation-strategy-in-the-built-environment-noon-to-115-pm-et-5703>

7. Title: Using living flood maps to prepare coastal communities. Security and Sustainability Forum. Williams, P., Stiller, H., & Bolter, K. (2015, November 9).

Description: This webinar focused on how to effectively communicate coastal climate risks to homeowners, businesses and governments in order to make them better prepared and more resilient to floods. The panel will address tidal and storm flood issues, as well as sea-level rise and the use of innovative data tools to predict and prepare for extreme weather events in coastal communities. A recently released NOAA report based on data collected from tide stations across the U.S. over the last 50 years warns that major portions of coastal areas are at greater risk for more frequent storm surges this winter, in part due to the strengthening El Nino weather effect.

Retrieved from <http://securityandsustainabilityforum.org/nuisance-flooding-webinar-7208>

8. Title: Community engagement on Climate response decisions – The coast model. Security and Sustainability. Merrill, S., & Lockman, J.T. (2013, March 19).

Description: COAST (Coastal Adaptation to Sea level rise Tool), is innovative technical tool, but its primary added value is in *how* it is used. The COAST approach connects technical results with the social, political, and economic realities of local adaptation, in a way that empowers stakeholders to actively engage in discussions about their future.

Retrieved from <http://securityandsustainabilityforum.org/community-engagement-on-climate-response-decisions-the-coast-model-4016>

9. Title: Climate Change, Water Scarcity, and Adaptation in the U.S. Field crop Sector. United States Department of Agriculture. Marshall, E. (2016, February 17).

Description: Despite increased temperatures and much regional variation in production response, U.S. irrigated field crop acreage and water used for irrigation are projected to decline with long-term climate change. Driving the decline in water use are changes in crop growth due to temperature stress, changes in growing-season precipitation, and shifts in surface-water supply availability. In this webinar, ERS Economist Elizabeth Marshall discussed the regional patterns of change in field crop production

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and in irrigation under various climate projections covered in her recent report, Climate Change, Water Scarcity, and Adaptation in the U.S. Field crop Sector.

Retrieved from <http://www.ers.usda.gov/conferences/webinar-climate-change,-water-scarcity,-and-adaptation-in-the-us-fieldcrop-sector.aspx>

I0. Title: Integrated Land use: What do individuals and societies need from landscapes? Security and Sustainability Forum. Cease, A., MacFayden, J., & Robinson, B. (2016, June 2).

Description: The ongoing extensification of agriculture is leading to historically unprecedented tradeoffs between food production and other ecosystem services such as biodiversity, non-timber forest products, landscapes aesthetics, culture, and many others. These tradeoffs are global, and sustainability scientists examine the telecoupled effects of globalization on traditional land management and societies. This webinar will discuss the difficult balance we now face in feeding upwards of 9 billion while maintaining other ecosystem services, and between individual and societal benefits. Case studies will include grasslands and forests in northern and southern China, farm-forest-estuary interfaces in Maritime Canada, and crop-grassland agriculture in western North America and eastern Australia.

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