

OSU School of Environment and Natural Resources, and  
OSU Office of Energy and Environment  
present

## 2017 ENVIRONMENTAL FILM SERIES

Tuesdays, January 24 through February 28

Chemical and Biomolecular Engineering and Chemistry location and Room 130 details:

<https://odee.osu.edu/cbec-130>

Free and open to all, up to 125 attendees each evening

Free pizza and beverages available at 6:45 PM

*(OSU students may register for a 1-credit independent studies course tied to the film series. Registration must be complete by January 13. Details at [go.osu.edu/enr-4193](http://go.osu.edu/enr-4193), or [go.osu.edu/enr-6193](http://go.osu.edu/enr-6193) for graduate students. Check with your academic advisor per credit toward your major.)*

For further information about the series or the course, contact David Hanselmann

<http://senr.osu.edu/our-people/david-hanselmann>

Lecturer and Environmental Professionals Network Coordinator  
School of Environment and Natural Resources, 469 Kottman Hall

[hanselmann.3@osu.edu](mailto:hanselmann.3@osu.edu) 614 247 1908

### **January 24, 2017 Chemical & Biomolecular Engineering & Chemistry Rm. 130, 7:00 to 8:45 PM**

**Green Fire – ALDO LEOPOLD AND A LAND ETHIC FOR OUR TIME**, 2011, 73 minutes

<https://www.aldoleopold.org/teach-learn/green-fire-film/>

<https://www.aldoleopold.org/teach-learn/green-fire-film/about-green-fire/>

<https://www.youtube.com/watch?v=p5ngM6wxB2U>

#### **Film Synopsis**

The first full-length documentary film ever made about legendary conservation thinker [Aldo Leopold](#), *Green Fire* explores Leopold's extraordinary career and his enduring influence – tracing how he shaped the modern conservation movement and continues to inspire projects all over the country that connect people and the land. A timely film screening in light of current worries about the federal government's continued commitment to environmental management/protection and the political divide on these issues..

#### **Discussion leaders**

Curt Meine, PhD, via Skype, renowned Aldo Leopold biographer and driving force behind creation of *Green Fire* and the film's on-camera narrator. Senior Fellow, Aldo Leopold Foundation, Baraboo, Wisconsin. <https://www.aldoleopold.org/post/staff-board/curt-meine/>

Jeff Sharp, PhD, Director and Professor of Rural Sociology, OSU School of Environment and Natural Resources <http://senr.osu.edu/our-people/jeff-s-sharp>

### **January 31, 2017 Chemical & Biomolecular Engineering & Chemistry Rm. 130, 7:00 to 9:00 PM**

**Before the Flood** A National Geographic film featuring actor and activist Leonardo DiCaprio 2016,

<https://www.beforetheflood.com/> 93-minutes

Trailer:

<https://www.bing.com/videos/search?q=before+the+flood+documentary+trailer&view=detail&mid=0A42CFBCB42FC617FE5C0A42CFBCB42FC617FE5C&FORM=VIRE>

## Film Synopsis

A look at how climate change affects our environment and what society can do prevent the demise of endangered species, ecosystems and native communities across the planet.

If you could know the truth about the threat of climate change — would you want to know? *Before the Flood*, presented by National Geographic, features Leonardo DiCaprio on a journey as a United Nations Messenger of Peace, traveling to five continents and the Arctic to witness climate change firsthand. He goes on expeditions with scientists uncovering the reality of climate change and meets with political leaders fighting against inaction. He also discovers a calculated disinformation campaign orchestrated by powerful special interests working to confuse the public about the urgency of the growing climate crisis. With unprecedented access to thought leaders around the world, DiCaprio searches for hope in a rising tide of catastrophic news.

From Academy Award-winning filmmaker Fisher Stevens and Academy Award-winning actor, environmental activist and U.N. Messenger of Peace Leonardo DiCaprio, *Before the Flood* presents a riveting account of the dramatic changes now occurring around the world due to climate change, as well as the actions we as individuals and as a society can take to prevent the disruption of life on our planet. Beyond the steps we can take as individuals, the film urges viewers to push their elected officials in supporting the use of alternative energy sources such as solar and wind power. “We need everyone to demand bold action from their political leaders and to elect representatives who have their best interests at heart, not the interests of corporations to perpetuate a cycle of greed and destruction,” says DiCaprio. “This documentary shows how interconnected the fate of all humanity is — but also the power we all possess as individuals to build a better future for our planet.”

## Discussion leaders

Bryan Mark, PhD, Professor, Dept. of Geography and State Climatologist

<https://geography.osu.edu/people/mark.9> ; David Leland, Ohio House of Representatives, 22<sup>nd</sup> District; Member, Energy and Natural Resources Committee <http://www.ohiohouse.gov/david-leland>

## **February 7, 2017 Chemical & Biomolecular Engineering & Chemistry Rm. 130 7:00 to 8:30 PM**

**Red Gold**, an environmental documentary 2009 54-minutes

Watch the trailer [here](#) 1:41

Longer trailer, 3:42 <https://www.youtube.com/watch?v=KqrpbggeeyeE>

*During 2016 the US EPA issued a negative report per required federal water quality permits and in 2014 and 2015 the project's major financial and mining partners withdrew from the project. It is not yet officially “dead”.*

## Film Synopsis

At the headwaters of the Kvichak and the Nushagak Rivers in Bristol Bay Alaska—home to the two largest remaining sockeye salmon runs on the planet—mining companies Northern Dynasty and Anglo American proposed to extract what might be the richest deposit of gold and copper in the world. Telluride filmmakers Ben Knight and Travis Rummel spent 70 days in Bristol Bay documenting the growing unrest among native, commercial and sport fishermen who oppose the proposed Pebble Mine as well as giving mine officials a chance to argue their case. The open-pit and underground Pebble Mine could require the largest dam ever constructed to contain toxic runoff from mine waste. Red Gold is a portrait of a unique way of life that would not exist if the salmon didn't return with Bristol Bay's tide.

Late 2016 news per proposed mine: <http://www.huffingtonpost.com/news/pebble-mine/>

NYT 11/6/15 op-ed by Michael Kowalski, Board Chair and former CEO, Tiffany and Company.

<http://www.nytimes.com/2015/11/07/opinion/when-gold-isnt-worth-the-price.html>

Rio Tinto (British/Australian international mining company) in 2014 pulls out of Pebble Mine, donating shares to two Alaskan NGOs: Alaska Community Foundation and the Bristol Bay Native Corporation Education Foundation

<http://www.mining.com/rio-tinto-walks-away-from-massive-pebble-copper-gold-project-38240/>

Tim Sohn, Outside Magazine article, 5/28/09 <http://www.outsideonline.com/1885601/gold-fish>

Project sponsors' website: <http://www.pebblepartnership.com/>

## Discussion leaders

Robyn Wilson, PhD, Associate Professor of Risk Analysis and Decision Making

<http://senr.osu.edu/our-people/robyn-s-wilson>

Don Dean, PhD, Trout in the Classroom, Ohio leader; Trout Unlimited (Red Gold film co-sponsor)

<http://www.tumadmen/index.shtml>

## **February 14, 2017 Chemical & Biomolecular Engineering & Chemistry Rm 130, 7:00 to 8:50 PM**

**Years of Living Dangerously, Season Two**, National Geographic Society 2016 55-minutes

<http://yearsoflivingdangerously.com/>

### **Film synopsis**

Years of Living Dangerously covers crucial issues, like severe hurricanes, deforestation, the solar energy crisis, climate migrants, historic droughts and the rapidly increasing extinction rate of our planet's wildlife. Season One aired in 2015 on Showtime. **Season Two, Episode One, Race Against Time:** David Letterman travels to India to investigate the production of electricity, the many communities that still lack electricity, and the country's attempt to move to solar power. <http://yearsoflivingdangerously.com/story/david-letterman-india/> Cecily Strong from SNL explores the demise of solar power in Nevada, Florida and across the nation due to political intimidation. <http://yearsoflivingdangerously.com/story/blocking-the-sun/>

Episodes guide <http://channel.nationalgeographic.com/years-of-living-dangerously/>

Science advisors <http://yearsoflivingdangerously.com/show/science-advisors/>

Cast <http://yearsoflivingdangerously.com/show/meet-the-cast/>

### **Discussion leaders**

Tyler Grassman, PhD, Assistant Professor, Dept. of Materials Science and Engineering

<https://mse.osu.edu/people/grassman.5>

## **February 21, 2017 Chemical & Biomolecular Engineering & Chemistry Rm 130, 7:00 to 8:50 PM**

**Return of the River** 2014 69-minutes

<http://elwhafilm.com/> (Front page also has button for trailer, 2:59)

*Dams provide many benefits to society (e.g. drinking water, flood control, recreation) but also cause major changes in aquatic and even human social systems. As in many states in recent years, Ohio has seen the removal of mainly smaller, mainly obsolete, often not well-maintained dams to restore environmental and aquatic/fish/wildlife systems. On the OSU campus the Fifth Avenue dam was recently removed and even more recently in downtown Columbus, the Main Street dam.*

### **Film synopsis**

Return of the River, a social, environmental, and political story, is a film about the largest dam removal project in the history of the United States, and the extraordinary effort to restore an ecosystem and set a river free – on the Olympic Peninsula in the State of Washington. Return of the River offers a story of hope and possibility amid grim environmental news. It is a film for our time: an invitation to consider crazy ideas that could transform the world for the better. It features an unlikely success story for environmental and cultural restoration. Fundamentally, the Elwha River in Washington State is a story about people and the land they inhabit. The film captures the tenacity of individuals who would not give up on a river, mirroring the tenacity of salmon headed upstream to spawn. It is a narrative with global ramifications, exploring the complex relationship between communities and the environment that sustains them. The camera soars over mountain headwaters, dives into schools of salmon, and captures turbines grinding to a halt; as the largest dam removal project in history begins. The film features people and perspectives on all sides of the Elwha debate, reflecting the many voices of the Elwha valley.

### **Discussion leaders**

Chris Tonra, PhD, Assistant Professor in Avian Wildlife Ecology

OSU School of Environment and Natural Resources

(Tonra has done research on the Elwha River pre and post-dam removal)

<http://senr.osu.edu/our-people/christopher-m-tonra>

Byron Ringley, PE, Senior Principal, Stantec, Columbus

(Ringley was the lead engineer for the Fifth Avenue and Main Street dam removal projects)

<http://www.stantec.com/about-us/people/r/ringley-bryan.html>

<http://www.stantec.com/about-us/office-locations/united-states-locations/ohio-offices/columbus-ohio-office.html>

**Years of Living Dangerously, Season Two**, National Geographic Society 2016 55-minutes

<http://yearsoflivingdangerously.com/>

**Film synopsis**

Years of Living Dangerously covers crucial issues, like severe hurricanes, deforestation, the solar energy crisis, climate migrants, historic droughts and the rapidly increasing extinction rate of our planet's wildlife. Season One aired in 2015 on Showtime. **Episode 8, Uprising, airing December 14, 2016** America Ferrera explores U.S. dependence on coal plants, and Sigourney Weaver examines China's impact on the global environment.

Episode guide <http://channel.nationalgeographic.com/years-of-living-dangerously/>

Science advisors <http://yearsoflivingdangerously.com/show/science-advisors/>

Cast <http://yearsoflivingdangerously.com/show/meet-the-cast/>

**Discussion leaders**

Heather Taylor-Miesle, Executive Director, Ohio Environmental Council

<http://www.theoec.org/contact/heather-taylor-miesle>

Andrew Tong, PhD, Assistant Research Professor, Dept. of Chemical Biomolecular Engineering and Chemistry. (Clean coal technology researcher.)

<https://cbe.osu.edu/people/tong.48> <https://cbe.osu.edu/events/2014/12/cbe-seminar-andrew-tong>