

# Intercultural learning as an opportunity to solve global environmental issues



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# Current ecological and environmental problems require sound knowledge & local and global actions

Air pollution



Endangered species



Deforestation y fragmentation



Chemical & Plastic pollution



“From the Cascades to the Andes: Environmental issues in Peru and the Pacific Northwest”

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UNIVERSITY of  
WASHINGTON  
BOTHELL



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UNIVERSIDAD PERUANA  
CAYETANO HEREDIA



Dr. Armando Valdes-Velasquez

# Course structure

- BIS 490 Advanced seminar: 10 week-overlap, 4 Learning modules
- Icebreakers: sharing personal interests, iconic natural places, native wildlife & plants, native crops (food)
- synchronized discussions, online discussions, collaborative research projects, use of study cases
- Discussion and field trips with both instructors at each location



A screenshot of the Canvas Learning Management System (LMS) interface. The top navigation bar includes the Canvas logo, 'Courses', 'Grades', and 'Calendar'. The main content area shows the course 'BIS 490 C Spring 2015'. A sidebar on the left lists navigation options: Home, Announcements, Assignments, Discussions, Grades, and People. The main content area displays 'Recent Activity in BIS 490 C' with a message: 'No Recent Messages. You don't have any messages to show in your stream yet. Once you begin participating in your courses you'll see this stream fill up with messages from discussions, grading updates, private messages between you and other users, etc.'

# 4 Parallel stories (modules)

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PNW



1. Biological diversity: regions, species, rainforest (tropical and temperate)



## 2. Fisheries (Salmon vs. Anchovy)



PNW



PERU

3. Use of resources and impacts (i.e. logging and deforestation, gold mining, market crashes)

PNW

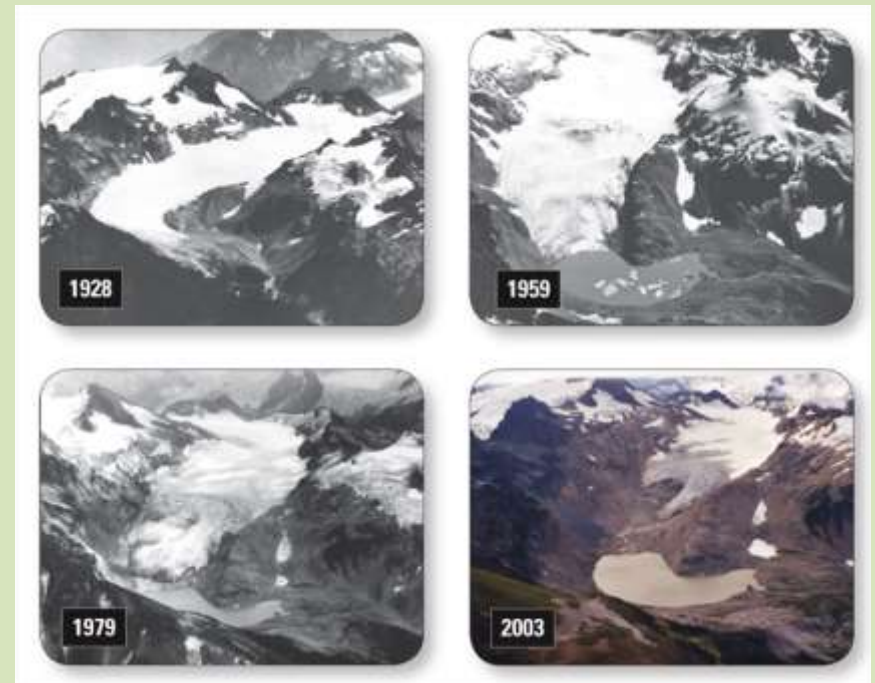
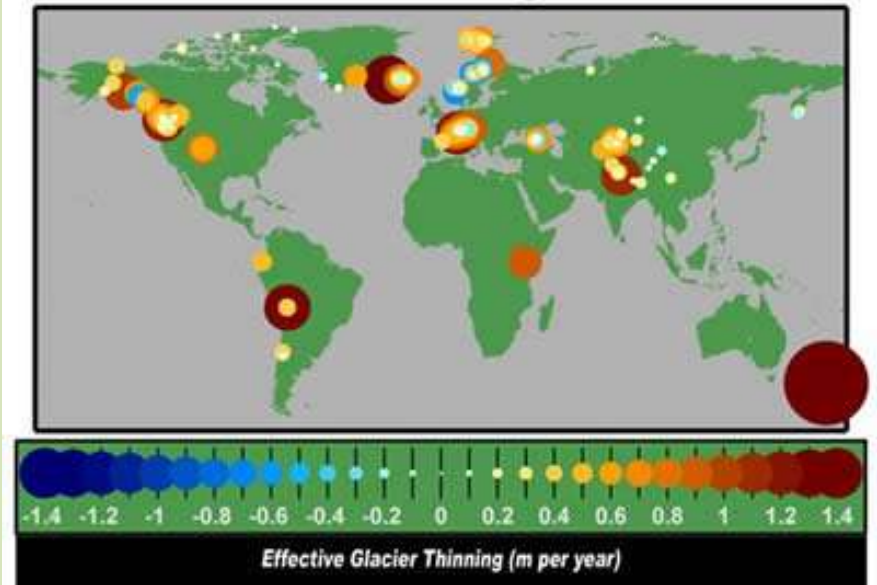


PERU



# 4. Climate change and Mountain ranges (Andes and Cascades)

## Mountain Glacier Changes Since 1970



# Reaction & Action

- Discussions, literature research and Interviews to experts
- Propose a solution: Video, magazine or newspaper article, photo essay, art and science, letters to politicians



18 March 2015, Lima Peru

