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# APLP

## Week Four

# Environment and Systems

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### Synopsis

In Week Four we consider the interactions between humans and the environment and the many changes and risks within the earth's systems that we must calculate and navigate.

This week, we carry over the focus on culture and creativity to look at how humans and other species continue, as we have for millennia, to adapt and thrive in changing settings. We consider humans' role in creating increasing volatility



and risk within the earth's systems. And we will think about what human-made systems might help mitigate the growing instability of the natural and built world.

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### Week Four Overview

The week begins early **Monday** morning with a Master Class at the Hawai'i-nuiākea School of Hawaiian Knowledge, just down the street from the East-West Center. We will meet in front of Burns at 8:10. Bring a bottle of water with you, and note that you may decide to work the taro fields (barefoot), so wear shorts or pants you can roll up, and bring a towel. After an early lunch on your own, the whole cohort will leave at 11:30 to go to Waikiki and officially launch the week with an "Earth Island" sail. Be sure to bring a hat, sunglasses, and sunscreen. And use these questions as a lens for the day: "What can the oceans teach us?" APLP alumna Bulgan Tsevegjav will join us on the sail (and for the rest of the week). Later Monday afternoon, two unique Skills Workshops are on offer, adding to a very impressive selection so far this year. We close the evening with discussion groups.

**Tuesday** begins with a dive into Social Network Analysis. Three Master Classes are offered in the afternoon, deepening our look at environment and systems. A number of G15 participants will be attending the evening EWC dinner in honor of Nainoa Thompson. The rest have the option to meet with Bulgan one-on-one or in small groups. On **Wednesday**, we once again enter the Personal Action Plan space. Immediately

following, there will be the first of several Field Study Preparation sessions with Scott and Nina. Wednesday afternoon is set aside for you to spend time on readings, writings, interviews, wellness, or whatever else you need to move forward on. We encourage you to set an intention for this time. Learning Lab Two will participant in a Leadership Challenge, visiting the Energy Exceclerator, which endeavors to help startups solve the world’s energy challenges. In the evening, the Wednesday Evening Seminar (WES), launches, and will become a regular part of your week. WES is a time to consider and discuss critical regional topics with the larger EWC community. Participants have often found this to be a chance to broaden their awareness of regional trends, and to connect with other EWC participants. Note that there will be heavy pupus served at WES – bring a bowl or plate and your utensils.

**Thursday** is mostly about leadership – and the challenges of leading without authority. Nick will guide us through this topic in a morning and an afternoon session. Later Thursday afternoon there is time for Nano Tracks, and in the evening, you can schedule individual or small group coaching sessions with Bulgan.

We close the Environment and Systems week on **Friday** with News and review time, followed by a short information session on the US Mainland Field Study in December. Whew, what a week!

## Objectives:

### In Week Four, you will (among other things):

- Identify and examine critical system challenges facing the regional and global environments and what their implications are for life and for leadership
- Discuss leadership without authority and consider how this theme applies to your personal and professional life
- Being mapping your past to envision your future(s), through the PAP process

## Example List of Key Ideas and Words:

Mo’olelo	Biomimicry	_____
Social Network Analysis	Ecological Footprint	_____
Eaarth	Anthropocene	_____
Keystone Species	Authority	_____

## Sample Key Questions

1. How is an Island a metaphor for Earth? Does this change how we see Earth’s resources and our actions?
2. Is there a link between social equity and environmental degradation?
3. How much is the environment worth? Should the environment have a monetary value?
4. Does environmental leadership differ from other kinds of leadership? Can the environment lead? How?
5. \_\_\_\_\_ ?
6. \_\_\_\_\_ ?
7. \_\_\_\_\_ ?

## Guests:

**Dr. Maenette K.P. Ah Nee-Benham** is the Dean of the UH Hawai'i inuiākea School of Hawaiian Knowledge. She began her education career teaching in the K-12 school system for 15 years. During this time she had the opportunity to serve as a Kindergarten teacher and K-12 curriculum specialist (California), pre-school and elementary school administrator (Texas), district-level administrator (Washington), and secondary school teacher (Hawai'i: Kaiser High School and Kamehameha School Kapālama). She joined the College of Education faculty at Michigan State University in January of 1993, where she built a strong base of inquiry that centered on (a) the nature of engaged and collective educational leadership across diverse communities and organizations; (b) the wisdom of knowing and praxis of social justice envisioned and enacted by educational and community leaders; (c) the meaning and value of systems knowledge in the work of sustained community-based capacity building; and (d) the effects of educational and social policy on vulnerable communities. She has authored 6 books and numerous articles on these topics, keynotes at international conferences, and is past editor (2002-2006) of the American Educational Research Association's leading educational journal, *The American Educational Research Journal: Section on Social and Institutional Analysis*. Her passion and commitment to healthy and sustainable learning environments for indigenous learners and their families is grounded on the motto she has lived her life by, "Kūlia i ka nu 'u!"

**Jeffrey Mikulina** is the Chief Executive Officer of the Blue Planet Foundation, a non-profit organization whose mission is to clear the path for 100% clean energy in Hawai'i—and beyond. Through collaboration and advocacy, Blue Planet champions scalable policies and programs to transform Hawaii's energy systems to clean, renewable energy solutions. Prior to working with Blue Planet, Jeff served as director of the Sierra Club, Hawai'i Chapter for a decade. His accomplishments in policy advocacy include working to pass legislation that adopts a 100% renewable energy goal for Hawai'i, sets a binding cap on Hawaii's greenhouse gas emissions, establishes a carbon tax on oil imports, requires that all new homes use solar water heaters, requires returnable deposits on all beverage containers, establishes curbside recycling on O'ahu and increases the funding of natural resources through tourism taxes. Jeff has been awarded an EPA Environmental Hero Award, selected as one of "40 Under 40" by Pacific Business News, chosen as one of "10 for Today" by Hawaii Business magazine, and ranked by the Honolulu Star-Bulletin among "10 Who Made a Difference." Jeff's interests include disruptive technology, policy, and impact of social norms on behavior. He received a Master's of Science degree in engineering from the University of Illinois at Urbana-Champaign studying decision theory.

**Bulganmurun Tsevegjav (Bulgan)** is Senior Program Officer at the Green Growth Planning and Implementation Division of the Global Green Growth Institute (GGGI) with its headquarters in Seoul, Republic of Korea. She is extensively involved in the design and formulation of energy-efficiency and low carbon financing projects, and recently delivered a series of capacity building activities in addition to climate change, energy efficiency, carbon-financing and environmental projects at international, national and local levels. Currently based in Ulaanbaatar, Mongolia, she utilizes her expertise to facilitate stakeholder engagements and expansion of future program activities in Mongolia. She has more than ten years' experience working with national and

international organizations, including the Ministry of Energy (Government of Mongolia), United Nations Development Programme (UNDP), United Nations Industrial Development Organization (UNIDO), United Nations Framework Convention on Climate Change (UNFCCC) and World Bank. Ms. Tsevegjav holds a M.Sc. in Energy and Environmental Management from the School of Management and Governance at the University of Twente in the Netherlands, an M.A. in International Politics from Jawaharlal Nehru University in India, and is an alumnus of the 2006-2007 Asia Pacific Leadership Program at the East-West Center.

**Dr. Satu Limaye** is Director of the East-West Center in Washington. He is also a Senior Advisor at the CNA Corporation, a non-profit research and analysis organization located in Alexandria, VA. He is the creator and director of the [Asia Matters for America](#) initiative, an interactive resource for credible, non-partisan information, graphics, analysis and news on US-Asia Pacific relations and the national, state and local levels; Founding Editor of the [Asia-Pacific Bulletin](#) series, an editor of the journal *Global Asia* and on the international advisory council of the journal *Contemporary Southeast Asia*. Dr. Limaye publishes and speaks on U.S.-Asia relations and is a reviewer for numerous publications, foundations and fellowship programs. From October 2005 to February 2007 he was a Research Staff Member of the Strategy and Resources Division at the Institute for Defense Analyses (IDA) and from July 1998 to October 2005 Director of Research and Publications at the Asia-Pacific Center for Security Studies (APCSS), a direct reporting unit of U.S. Pacific Command. He has been an Abe Fellow at the National Endowment for Democracy and a Henry Luce Scholar and Research Fellow at the Japan Institute of International Affairs (JIIA) in Tokyo. He is a magna cum laude and Phi Beta Kappa graduate of Georgetown University and received his doctorate from Oxford University (Magdalen College) where he was a George C. Marshall Scholar.

## Milestones and Assignments:

- **Milestones**

- Engage with the 2015 APLP Alumni Guest Speaker: Bulganmurun Tsevegjav (Bulgan)
- First Wednesday Evening Seminar
- US Mainland Field Study Information Session

- **Assignments**

- GIST applications due: Monday, September 14
- Required Readings & Discussion Group Readings complete: Monday, September 14
- Master Classes Readings complete: Tuesday, September 15
- Think Piece on Week 4 topic: Monday, September 21

## Resources and Readings for Week Four:

### • Required Materials

- The Future Availability of Natural Resources: A New Paradigm for Global Resource Availability*. World Economic Forum's World Scenario Series  
[www3.weforum.org/docs/WEF\\_FutureAvailabilityNaturalResources\\_Report\\_2014.pdf](http://www3.weforum.org/docs/WEF_FutureAvailabilityNaturalResources_Report_2014.pdf)  
**Read Executive Summary & Conclusion**  
**Skim 4 Paradigms and answer: Which paradigm best fits your thinking?**  
**Skim 3 Scenarios: Which scenario do you think is most likely?**
- The Theory Behind the Practice, The Practice of Adaptive Leadership: Tools and Tactics for Changing Your Organization and the World*  
by Ronald Heifetz, Alexander Grashow, and Marty Linsky
- Master Class Readings
  - 1) Clearing the Path for Clean Energy:  
Review website and come with a related question:  
<http://blueplanetfoundation.org/>
  - 2) Green Business:  
"Green and Competitive" by Michael E. Porter and Claas van der Linde  
The Story of Stuff (21 min) <https://www.youtube.com/watch?v=9GorqroiqgM>
  - 3) Asia from the Other Side of the World (Washington DC):  
Review website and come with a related question:  
[www.asiamattersforamerica.org](http://www.asiamattersforamerica.org)

### • Optional Materials

- Emergence & Network, Margaret Wheatley (Berkana Institute)
- Managing the 21<sup>st</sup> Century Organizations, Valdis Krebs
- Quantum Theory of Trust: Karen Stephenson, Art Kleiner
- The Networked Animal, Scientific American
- Humans Aren't Special  
<http://www.popsci.com/humans-arent-special-carl-safinas-beyond-words-delves-deep-animal-minds>
- It's too Soon to Call this the Anthropocene, Vaclav Smil  
<http://www.vaclavsmil.com/wp-content/uploads/6.ANTHROPOCENE.pdf>
- Revolution? More Like a Crawl (energy transition)  
<http://www.politico.com/agenda/story/2015/05/energy-visionary-vaclav-smil-quick-transformations-wrong-000017>
- Are Maggots the Future of Food?  
<http://www.bbc.com/future/story/20140603-are-maggots-the-future-of-food>
- Discussion with Bulgan:** Review UNFCCC website and answer questions  
<http://newsroom.unfccc.int/about/>  
Find out whether your country ratified the convention. 2. For the Paris summit in December, 2015, according to your opinion, what are the implications for International Climate Policy and Finance? 3. On Intended Nationally Determined Contributions (INDCs) - check status of your country's preparation/submission process. And share with peers during the discussion. If you happen to be part of the preparation or consultation process for INDCs in your country please share.

## Calendar

Day	Time	Activity	Location	Status	Team	Hrs
Mon 9/14/2015	8:30-10:00 (Meet at Burns at 8:10)	Master Class: "The Importance of Metaphor through Mo'olelo that Defines Leadership", Dr. Maenette K.P. Ah Nee-Benham	UH Hawai'i-nuiākea School of Hawaiian Knowledge	S	GA	1.5
	11:30-2:30	Week Four Launch / Introductory Activity - Earth Island Sail	Waikiki	M	CM	3
	3:30-4:30	Skills Workshop #1 Individual Motivation in Groups and How to Use Positive Feeling to Foster Individual Skills	Burns 2121	S	Philippe Lemonier	1
	3:30-4:30	Skills Workshop #2 The Art of Coffee Drinking	HM 9 <sup>th</sup> Floor Kitchen	S	Nhu Tran	1
	7:00-8:30	Discussion Groups	Varies	S	Captains	1.5
<i>Mandatory Hours</i>						<b>4.5</b>
Tue 9/15/2015	9:00-12:00	Social Network Analysis	Burns 2121	M	SAM/GA	3
	1:30-2:20	Master Class: Clearing the Path for Clean Energy, Jeff Mikulina	Burns 2121	P	DJ	1
	2:30-3:20	Master Class: Green Business, Bulgan Tsevegjav	Burns 2063	P	DJ	1
	3:30-4:20	Master Class: Asia from the Other Side of the World (Washington, DC), Dr. Satu Limaye	Burns 2012	P	DJ	1
	Evening	Coaching Sessions with Bulgan Tsevegjav (G6 Alumna)		S	DJ	
						<b>4</b>
Wed 9/16/2015	9:00-11:00	Personal Action Plan - Session 2	Burns 2121	M	CM/GA	3
	11:00-12:00	Asia Field Study Preparation	Burns 2121	M	ND/SM	1
		Action Afternoon (on own) // The Leadership Challenge LL 2			LB	
	6:30-8:30	Wednesday Evening Seminar	Keoni	M		2
						<b>6</b>
Thu 9/17/2015	9:00-12:00	Leadership Without Authority	Burns 2121	M	NB	3
	1:30-3:30	Adaptive Leadership: Diagnosis	Burns 2121	M	NB	2
	3:30-5:00	Nano Track Three	Varies	P		1.5
	Evening	Coaching Sessions with Visiting Alumna		S	DJ	
						<b>6.5</b>

Day	Time	Activity	Location	Status	Team	Hrs
Fri 9/18/2015	9:00-11:30	News / Week Four Closing	Koi	M	GA/CM	2.5
	11:30-12:00	US Mainland Field Study Info Session	Koi	O	CM	0.5
	Afternoon	Wellness // Learning Lab Three Prepares for Next Week (1 hr)			LB	
						<b>3</b>
<b>Week Total Mandatory Hours</b>						<b>23</b>

\* **KEY:** M = Mandatory, O = Optional, P = Pick (at least one is mandatory), S = Sign-up (means commitment)

