MOVING FORWARD

with H. Tuba Özkán-Haller (she/her)
A VISION FOR THE
SCHOOL FOR OCEAN AND EARTH SCIENCE AND TECHNOLOGY

• within the context of
  • emerging trends and
  • successful professional experience

• from two perspectives:
  • as a vision for the school as a whole
  • as a vision for the school in context of its relationship to and its role within the diverse fields within SOEST
EMERGING NATIONAL TRENDS

Climate crisis

Challenging geopolitical landscape

Income inequality

Racial reckoning

An ongoing pandemic

Social justice issues

Health care disparities
EMERGING TRENDS IN ACADEMIA

Strong academic, research, and engagement programs

Pay inequities

Demographic cliff

Variable state support

Social justice issues

An ongoing pandemic

Increasing urgency to find sustainable solutions

Aging facilities and infrastructure needs
MY PROFESSIONAL EXPERIENCE
ACADEMIC and LEADERSHIP EXPERIENCE

1. Faculty member
ACADEMIC and LEADERSHIP EXPERIENCE

Faculty member

- at two institutions – University of Michigan and Oregon State University
- award-winning teaching at both institutions
- dual appointment in two colleges – College of Earth, Ocean, and Atmospheric Sciences and College of Engineering
- in two different roles – “traditional” and “research-intensive” faculty
Faculty member

Research, teaching, and engagement focuses on
- arriving at a predictive understanding of waves, circulation, and beach change in the nearshore ocean
- including the continental shelf, the surf zone, inlets, and estuaries
- using of numerical, field, laboratory, and analytical approaches
- engaged research with those holding Local Ecological Knowledge (LEK) and Traditional Ecological Knowledge (TEK).
ACADEMIC and LEADERSHIP EXPERIENCE

1

Faculty member

Increasing involvement in work towards equity, inclusion, and justice in academia

- Co-PI in NSF ADVANCE Institutional Transformation grant
  - Co-facilitator of two 2-week immersive ADVANCE seminars
  - Co-facilitator of 1-week Train-the-Trainer session
- Multiple invited plenary conference talks including 2018 Goldschmidt conference
- Multiple campus visits to carry out review of institutional practices and offer workshops
ACADEMIC and LEADERSHIP EXPERIENCE

1. Faculty member

2. Associate Dean for Research and Faculty Advancement

3. Associate Vice President for Research Administration and Development

4. Acting/Interim Dean
ACADEMIC and LEADERSHIP COMMITMENT

INTER-CONNECTED MISSION
Commitment to inter-connected academic mission
• Each mission elements strengthens the other two.

PURPOSE
Commitment to have a positive impact
• Do the things we do for the right reasons.
Commitment to navigating change – abrupt or paced
Work on solutions to society’s pressing problems.

INCLUSIVITY LENS
Commitment to decision-making through an inclusivity lens
• Doing the work we do differently.
Communication, transparency, connection
Shared Governance
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UNIVERSITY OF HAWAI’I AT MĀNOA VISION

HE LAMAKŪ O KE ALOHA ‘ĀINA
A leading light of aloha ‘āina for Hawai‘i and the world.

We will be locally and globally recognized as a premier student-centered, Carnegie Research 1, community-serving university grounded in a Native Hawaiian place of learning that summons our rich knowledge systems to help mālama Hawai‘i and the world for future generations.
UNIVERSITY OF HAWAIʻI AT MĀNOA VISION

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- premier student-centered, Carnegie Research 1, community-serving university
- grounded in a Native Hawaiian place of learning that summons our rich knowledge systems
- help mālama Hawaiʻi and the world for future generations
Therefore, our vision is that UH Mānoa will become a university where models of aloha ‘āina abound and can be utilized with and by all sectors of our community to care for one another so that we can collectively care for our island home.

MĀNOA 2025: OUR KULEANA TO HAWAI’I & THE WORLD STRATEGIC PLAN 2015-2025
SOEST VISION

SOEST scientists and engineers are committed to providing solutions to some of these complex issues, including water, energy, and mineral resource overexploitation, geohazards, and environmental and climate change. Through a sustained system of Earth and planetary observations, undergraduate and graduate education, technology development and utilization, and knowledge dissemination, our staff and researchers work to expand public awareness of ocean and Earth resources, ensure informed public policy and decision-making, and advance scientific understanding of complex and interconnected Earth and planetary systems.
Time to collectively revisit the SOEST Vision
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“Vision for the school in context of its relationship to and its role within the diverse fields within SOEST”

- 4 departments (academic units) and 9 organized units
- Diverse fields – ranging from ocean and marine science, to geophysics, planetary sciences, marine biology, natural energy, engineering, and more
- Some units have strategic plans, others don’t
- No school-wide strategic plan

Questions that arise:
- Is the whole greater than the sum of the parts?
- How does SOEST vision fit into the university vision and strategic plan?
SOEST needs a school-wide strategic plan
VISION FOR THE SCHOOL OF OCEAN AND EARTH SCIENCE AND TECHNOLOGY

Becoming a Native Hawaiian Place of Learning
VISION FOR THE SCHOOL OF OCEAN AND EARTH SCIENCE AND TECHNOLOGY

1

Becoming a Native Hawaiian Place of Learning

Immerse ourselves in different and diverse knowledge systems.

Adopt the model of aloha ‘āina in the governance of the school, use it as a lens for decision-making and goal-setting.
VISION FOR THE SCHOOL OF OCEAN AND EARTH SCIENCE AND TECHNOLOGY

1

Becoming a Native Hawaiian Place of Learning

2

Student success

Educate diverse and solutions-minded professionals for the careers of the future.

Modernize our curriculum to better integrate social and environmental justice principles and indigenous knowledge systems.
VISION FOR THE SCHOOL OF OCEAN AND EARTH SCIENCE AND TECHNOLOGY

1. Becoming a Native Hawaiian Place of Learning

2. Student success

3. Research success

Engage with systems of indigenous knowledge as equal partners with hypothesis-driven science approaches to accelerate research and discovery.

Enable the seamless transition of research results to solution strategies.
VISION FOR THE SCHOOL OF OCEAN AND EARTH SCIENCE AND TECHNOLOGY

1. Becoming a Native Hawaiian Place of Learning

2. Student success

3. Research success

4. Engagement success
   Enable the positive feedback loop involving teaching, research, and engagement by aligning more closely with UH Mānoa’s engagement and extension arm.
VISION FOR THE SCHOOL OF OCEAN AND EARTH SCIENCE AND TECHNOLOGY

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2. Student success
3. Research success
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