

E Mauliauhonua: Readapting Ancestral Knowledge for Survival

Roundtable

Malama- Ikiiki, Mahina- Mohalu

(Wednesday, May 18, 2016)

10:00 to 11:45 am

Webster Hall: WEB 203

Malia Nobrega-Olivera

Olani Lilly

Roxanne Stewart

Nā Helu Pō



Session Overview

'Aimalama Overview

2014 'Aimalama Symposium

2015 'Aimalama Lunar Conference

2016 'Aimalama In Action

Ua lehualehu a manomano ka 'ikena a ka Hawai'i.

Great and numerous is the knowledge of the Hawaiians.

- Native Hawaiian Proverb (Puku 'i)



First Stewards Symposium 2012: Coastal Peoples Address Climate Change



‘Aimalama

**‘O ke akua ke komo,
‘a‘oe komo kanaka**

**He ali‘i ka ‘āina,
he kauā ke kanaka**

**Elements
penetrate where
man cannot**

**Land is chief,
man is servant**

**Kaulana
Mahina**

“Pay-Tention”



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'Aimalama Symposium- October 3-5, 2014









Mission-

Catalyze climate adaptation and resiliency by engaging communities in Hawai'i and beyond through innovative training and policy tools that link decision- makers with the university, island communities, and the public as well as private sectors. It is our goal to engage and empower climate justice communities in Hawai'i and globally.

<http://islandclimate.net>

One of the most noticeable/visible effect the mahina has on our earth is mirrored in her oceans. Kalei also reminded us that **our ancestors understood the correlation between mahina and fish aggregation, tides, and seasonal changes**. Monthly, the rise and fall of the ocean's tides owes its existence to the moon, from low to high points, to fish spawning, the moon has reigned over the kai for millennia, and there is so much to be learned ~ and practiced ~ through the traditional ways of our ancestors and the knowledge that our kupuna have documented for us in our mo'olelo, mele, pule, oli, etc.

LAWAI'A



Photo Credit- Malia Nobrega-Olivera

LOKO I'A



Photo Credit- Malia Nobrega-Olivera

WA'A KAULUA



Photo Credit- Kala Thomas

“In light of a changing climate and changes in our environment, she stressed the need to transition our people from lawai‘a to mahi i‘a ~ from fisher people to fish farmers.”

~Hi‘ilei Kawelo~

“Through the disciplined cultivation of observation skills, we learn about adapting to change by anticipating the forces that arrive to influence our environment.”

~Roxy Stewart~





“Guided by the heavens, our ancestors populated every corner of the Pacific Ocean.

Through keen observations of the environment, they were able to glide over the vast ocean with confidence and intent.

Today, the canoe remains an integral part of our existence, spurring cultural revitalization and reawakening ancient knowledge.”

~Bonnie Kahape‘a-Tanner and Pua Maielua-Lincoln~

He ali'i ka 'āina, he kauwā ke kanaka.

The land is the chief, man its servant.



Photo Credit- Malia Nobrega-Olivera



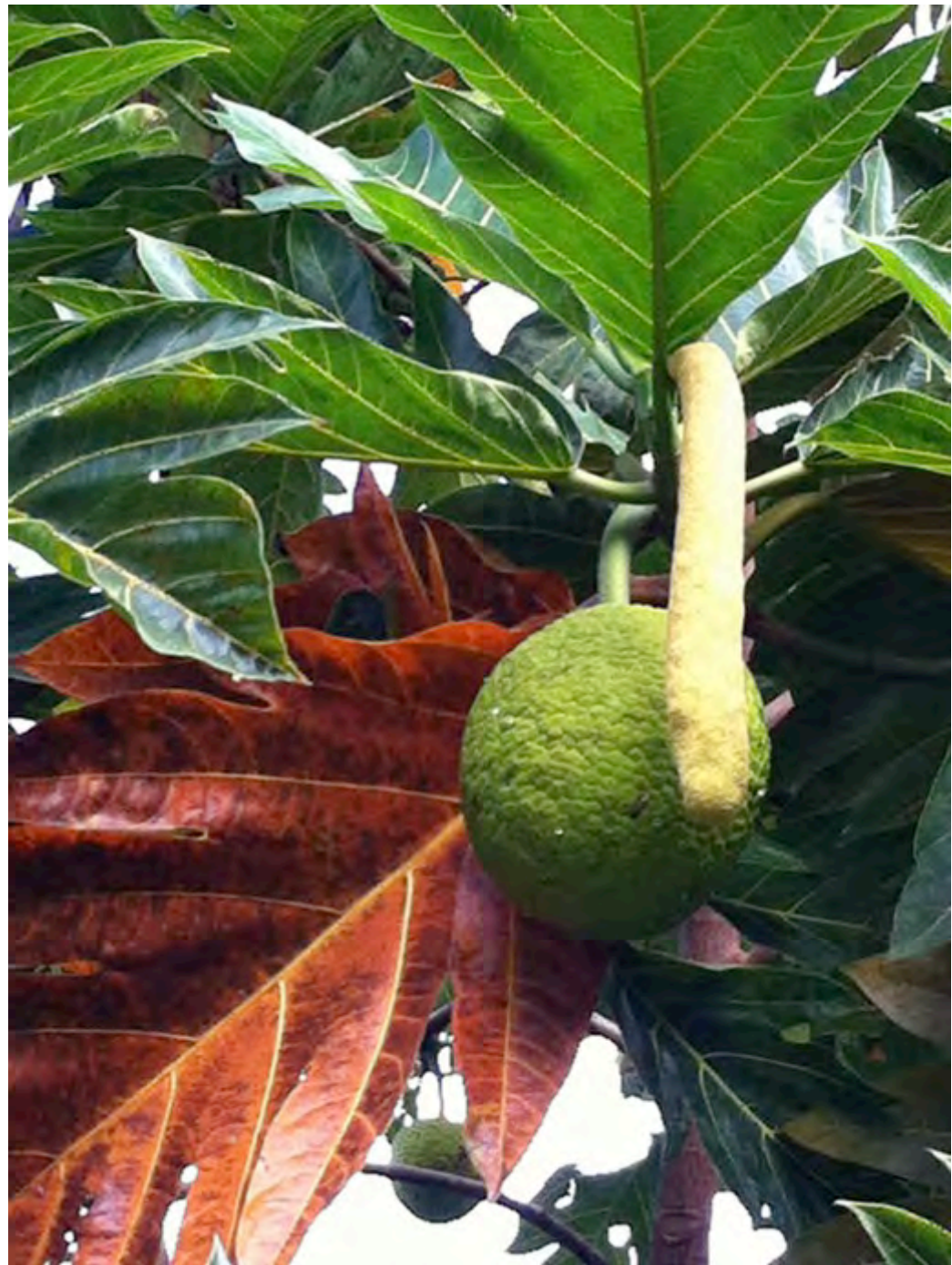
Photo Credit- Malia Nobrega-Olivera



Photo Credit- Jeff Ohata

“Spiritual practices govern the planting, harvesting, and eating of food, and as moon cycles dictate the optimum times to engage in these various stages of farming, its significance to their work is paramount.”

~Kaʻiulani Odom~





Kaulana Mahina

- Follows the moon
- 36 Phases
- Aesthete
- Historical: Piko Piko, Kikoi
- Maori
- 12 - 13 Mahina (Maori/Mo)
- 365 days in a year (Maori/Mo)
- Importance of Mahina

Audience Participation !

The background of the slide is a photograph of a landscape during sunset or sunrise. A small, pale moon is visible in the upper left portion of the sky. The sky transitions from a deep blue at the top to a warm orange and yellow near the horizon. In the foreground, a dark, silhouetted hill or ridge is visible against the bright horizon.

Go to- <http://sift.ly>

Participant code- naisa

Audience Participation !

What significant OBSERVATIONS
have you observed in your own
environment over the last 3 years ?

**Kahana Maui - Pigs move range farther at night when the
moon is full, pigs complete circle home
range in 1 lunar cycle**

**Kea'au Mauka, Puna, Hawai'i – late afternoons are
the mistiest time of the day**

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Creating an Experience

‘Aimalama Lunar Conference
September 25 -27, 2015

GOAL OF THE EXPERIENCE

Bring together participants from various communities to share how active kilo (environmental observation and forecast) in various habitats, from the wao akua to the kai (mountain to sea), can serve to effectively monitor and mitigate unprecedented climate change.



Participants



**200+ participants from Hawai'i, Aotearoa, Tahiti,
Mo'orea, Rarotonga, and Yap**

Panel Discussions

Mahi 'ai (farming)

Mahi i'a (fishing)

Birthing & healing practices

Education

Resource management

Lunar calendar tools



Application Sites

Papahana Kuaola (Kāneʻohe)

Paepae o Heʻeia (Heʻeia)

Maʻo Organic Farms
(Waiʻanae)

Kumuola Foundation
(Mānoa)

Ka Papa Loʻi o Kānewai
(Mānoa)

Kānehūnāmoku Voyaging
Academy (Kualoa)

Aihualama at Lyon
Arboretum (Mānoa)

Hoʻoulu ʻĀina (Kalihi)

Kaulana Mahina Workshop



Values Alignment

Online Resources

Meeting Sifter

Local Chefs



Next Steps

Community based workshops

2016 International Union for Conservation of
Nature World Conservation Congress (IUCN
WCC) – Honolulu, Hawai'i



Audience Participation !

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Participant code- naisa

Audience Participation !

What significant CHANGES
have you observed in your own
environment over the last 3 years ?

Waimānalo O'ahu - there's an increase in honu
(sea turtle) population and a decrease
in lobster population

Kailua, O'ahu - Sand has disappeared in huge
quantities on beaches

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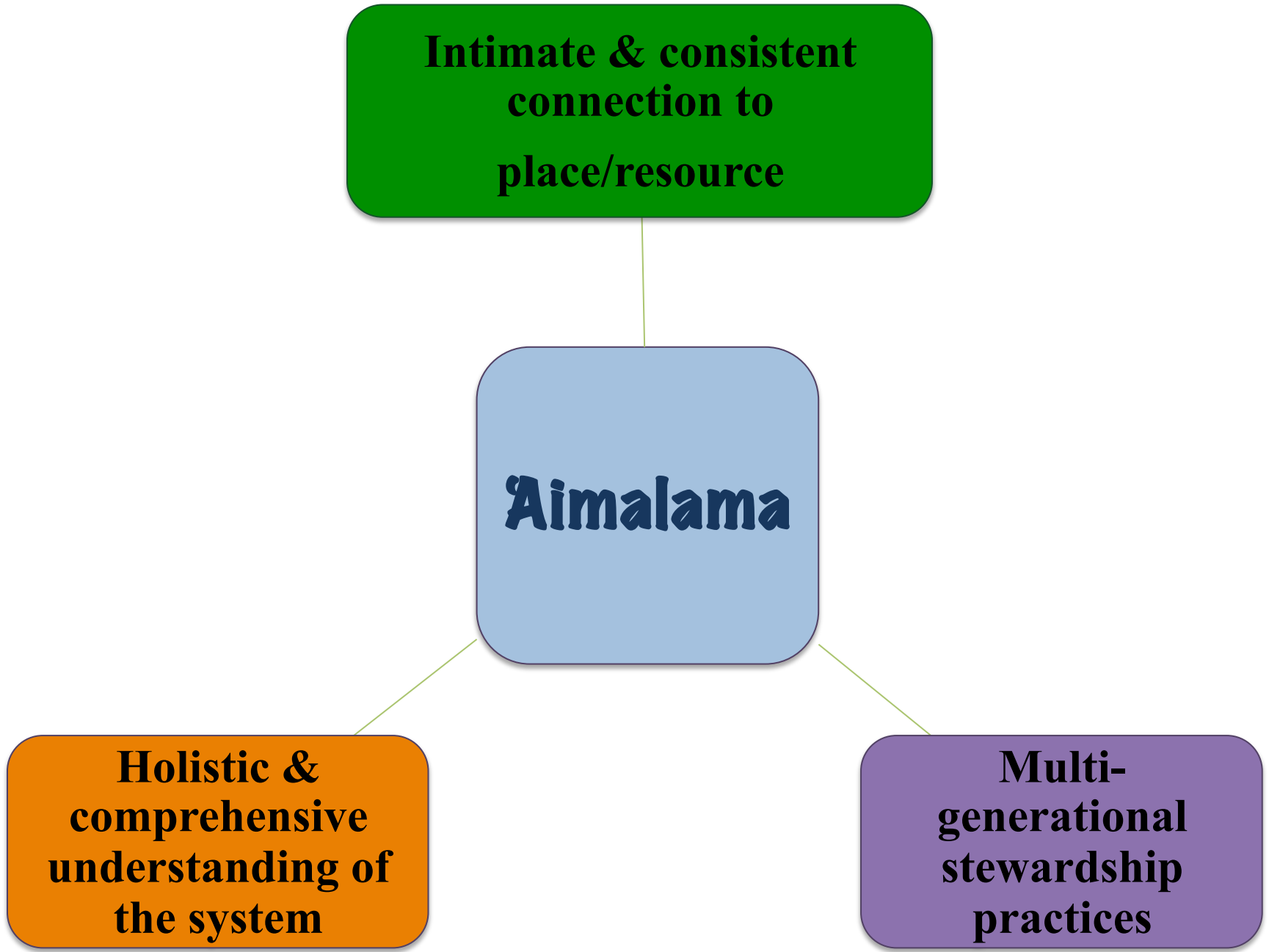
2016 ‘Aimalama In Action

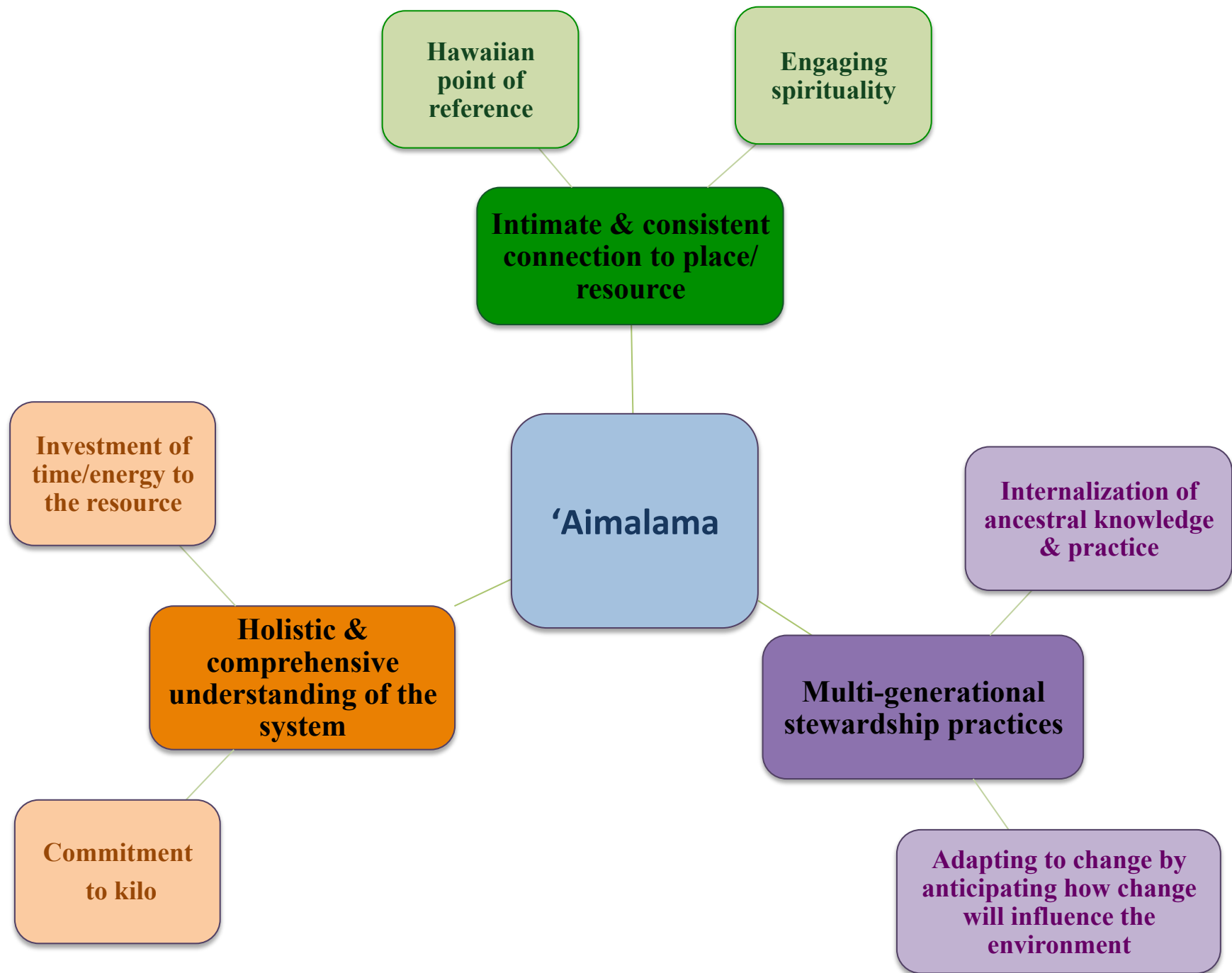
**Intimate & consistent
connection to
place/resource**

Aimalama

**Holistic &
comprehensive
understanding of
the system**

**Multi-
generational
stewardship
practices**





Intimate, consistent, spiritual connection to place/resource



Intimate & consistent connection to place/resource



**Hawaiian
World View**



**Facilitation of
learning in
authentic
environments**



**Prioritized
Knowledge & Skills**



Holistic & comprehensive understanding of the system

**Hurricane Iselle
Aug. 2014**



**High Surf /
Sea Level Rise**

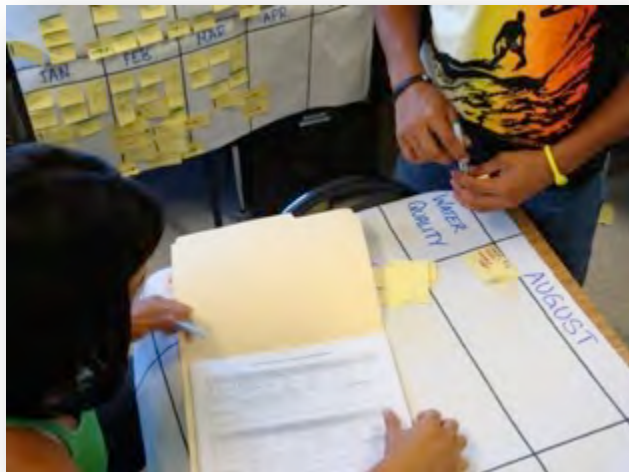
**Tsunami (Chile)
Feb. 2010**



Holistic & comprehensive understanding of the system



Rearing the "now-generation" of practitioners



Multi-generational stewardship practices



Multi-generational stewardship practices



Family-Practitioners



Teacher-Practitioners



Community-Practitioners



Youth-Practitioners



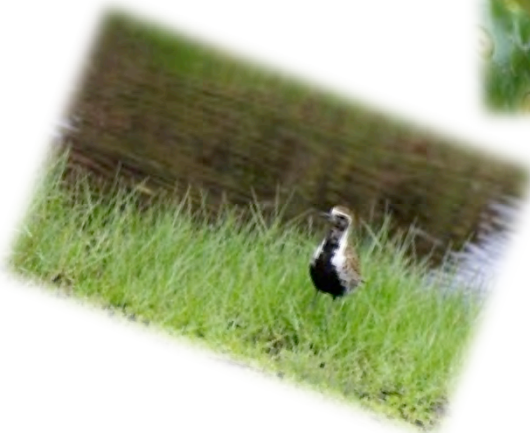
Kaulana Mahina

- recognizing pō mahina
- knowing & following pō mahina
- pō mahina decision-making



Kaulana Mahina

- thinking in terms of cycles
- thinking holistically
- habituating practice



Helpful 'Aimalama Resources

Loko I'a Observation Log

The Hawaiian lunar calendar is one of the best examples of place-based learning. Every district of each island compiled knowledge through observation of the natural cycles and seasons of the environment and the activities of living organisms within the environment. Over time, tried and improved practices were incorporated to efficiently fish, farm and work with the natural rhythms of the environment in a sustainable manner.










This observation log was created so that the observer can begin to record and compare correlating activities with the environment, season, plant, animal and fish activities with the lunar phase and the lunar month. Learning the lunar cycle assists us in reconnecting ourselves with our environment.

Each data log requires the observer to record the date, time, lunar month and lunar phase. Weather activity is also noted to begin to observe climate and seasonal changes. Growth processes and cycles among the listed animal, fish and plants are pertinent to begin to see the correlating activities. Please note that the observation log lists common organisms at Hale o Lono fishpond at Keolu Park. Each district will have slight to dramatic differences. Please make adjustments accordingly.

Date: _____ Malama (Hawaiian Lunar Month): _____
Time: _____ Pō Mahina (Hawaiian Moon Phase): _____

Notable Weather Activity:
Wind: _____
Rain: _____
Clouds/Cloud Cover: _____
Other: _____

Fauna Activity/Observations:

	Mullet Pua'ama (Fingerling): _____ Kahaha (Hand Length): _____ 'Ana'ama (8 inches): _____ 'Ana (12 inches +): _____
	O'opu: _____
	Aholehole: _____
	Puhī: _____
	Mosquito Fish: _____
	Ōpae: _____
	Hapawai/Wī: _____
	Manu: _____
	Honu: _____
	'A'ama: _____

Loko I'a Observation Log:

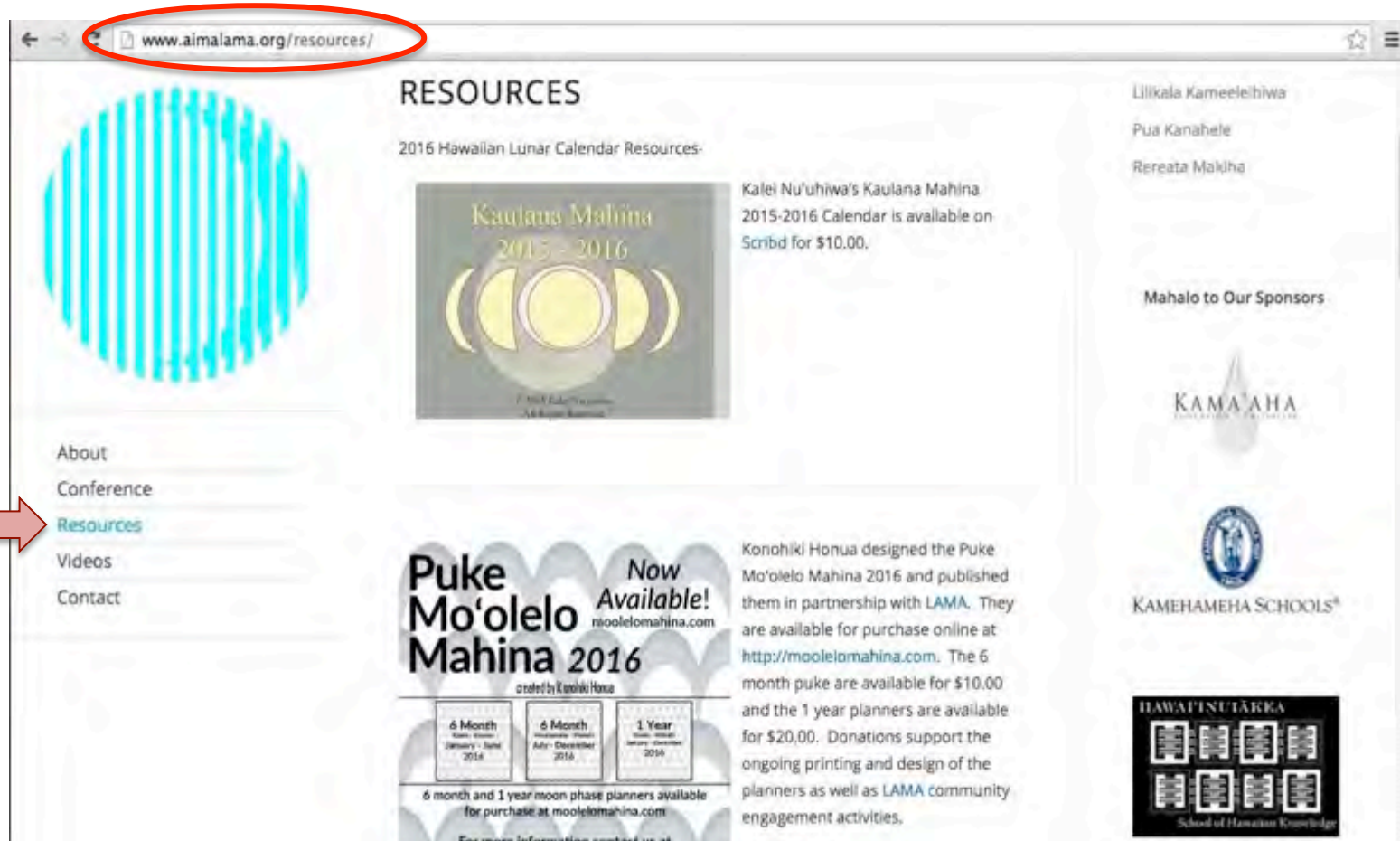
<http://www.wpcouncil.org/wp-content/uploads/2013/04/Loko-Ia-Observation-log.pdf>

2015 Lunar Calendar:

http://www.wpcouncil.org/wp-content/uploads/2013/04/Hawn_LunarCal-2015_web_SECURED.pdf

Helpful 'Aimalama Resources

<http://www.aimalama.org>




The screenshot shows the website www.aimalama.org/resources/. The browser's address bar is circled in red. On the left, a navigation menu includes links for 'About', 'Conference', 'Resources' (highlighted with a red arrow), 'Videos', and 'Contact'. The main content area is titled 'RESOURCES' and features a large circular graphic with vertical blue lines. Below this, it lists '2016 Hawaiian Lunar Calendar Resources'. A central image shows the cover of 'Kaulana Mahina 2015-2016' by Kalei Nu'uhiwa's. To the right, text states that the 2015-2016 calendar is available on Scribd for \$10.00. Further down, a section titled 'Puke Mo'olelo Mahina 2016' by Konohiki Honua is advertised as 'Now Available!' at moolelomahina.com. It lists three options: a 6-month planner (January-June 2016) for \$10.00, another 6-month planner (July-December 2016) for \$10.00, and a 1-year planner (January-December 2016) for \$20.00. A note mentions that donations support the ongoing printing and design of the planners as well as LAMA community engagement activities. On the right side of the page, there is a 'Mahalo to Our Sponsors' section featuring logos for Lilikala Kameeleihiwa, Pua Kanahele, Rereata Makiha, KAMA'ĀHA, KAMEHAMEHA SCHOOLS®, and HAWAII'NUTARUA School of Hawaiian Knowledge.

← → www.aimalama.org/resources/ ☆ ☰




RESOURCES

2016 Hawaiian Lunar Calendar Resources-



Kalei Nu'uhiwa's Kaulana Mahina 2015-2016 Calendar is available on Scribd for \$10.00.

Mahalo to Our Sponsors



About
Conference
Resources
Videos
Contact

Puke Mo'olelo Mahina 2016
created by Konohiki Honua

Now Available!
moolelomahina.com

6 Month	6 Month	1 Year
January - June 2016	July - December 2016	January - December 2016

6 month and 1 year moon phase planners available for purchase at moolelomahina.com

For more information contact us at

Konohiki Honua designed the Puke Mo'olelo Mahina 2016 and published them in partnership with LAMA. They are available for purchase online at <http://moolelomahina.com>. The 6 month puke are available for \$10.00 and the 1 year planners are available for \$20.00. Donations support the ongoing printing and design of the planners as well as LAMA community engagement activities.

Helpful 'Aimalama Resources

2015-2016 Lunar Calendars



Helpful 'Aimalama Resources

Kilo Journals



Place-Based Lunar Calendar Exemplar

Helpful 'Aimalama Resources

Join Our Facebook Page



Discussion

Members

Events

Photos

Files

Search this group



Kalei Maalima

Video posted by Kalei Maalima

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DESCRIPTION

Hui 'Aimalama is a Facebook community for Pacific Peoples interested in harnessing ancestral knowledge and practices to monitor the impacts of, and develop responses to, global climate change.

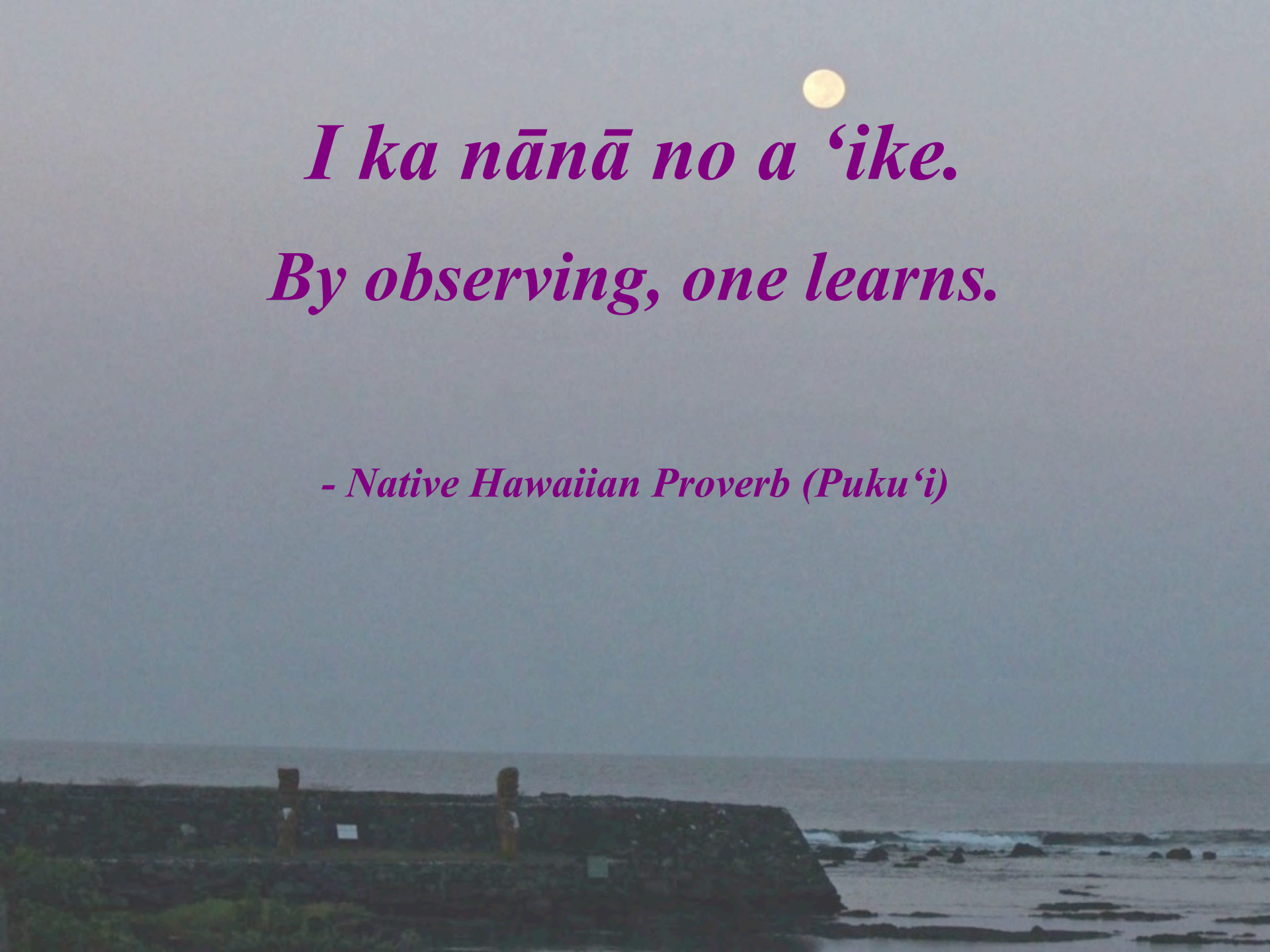


**Aimalama is going mobile
2016-17 to a community
near you...**



**We are looking to train people
how to begin Aimalama practices
through the Kaulana Mahina.**





I ka nānā no a ‘ike.
By observing, one learns.

- Native Hawaiian Proverb (Puku‘i)

E Mauliauhonua: Readapting Ancestral Knowledge for Survival

<http://aimalama.org>

Send us an email to join our
network & receive updates

Facebook Group- @HuiAimalama