



SUSTAINABLE AND ORGANIC AGRICULTURE PROGRAM

COOPERATIVE EXTENSION, UNIVERSITY OF HAWAI'I AT MĀNOA COLLEGE OF TROPICAL AGRICULTURE AND HUMAN RESOURCES

- Hector Valenzuela initiated CTAHR organic research in 1993
- SOAP and Certification of research plots starting in 2009
- Statewide program focuses on:
 - Increasing farm income
 - Promoting environmental stewardship
 - Supporting prosperous farm families and communities

People



Profit

Planet



Statewide Program

- Ag Professional Trainings (annual)
- Applied Research
- Soap Learning Centers
- Organic certified plots
- Outreach materials and events
 - Workshops, field days, traveling team, etc.
- Website Information
- Online Quarterly Newsletter
- Social Media Awareness Campaig
- Testimony to increase awareness
- Go Farm & Master Gardener instruction and field support
- Student organic farm training (SOFT)





Agriculture Program College of Tropical Agriculture and Human Resources University of Hawai i at Manoa LDS://cms.ctahr.hawaii.edu/soaiii



Resources Waimanalo Learning Center Student Organic Farm Training

Contact SOAP Members



(SEPTEMBER 2022			
Mon	Tue	Wed	Thu	Fri	Sa
29	30	31	1	2	3

Providing science-based information to serve Hawai'i's Farming Community

Hānai'Ai

The Food Provider

April | May | June 2022



Sustainable and Organic Agriculture Program

College of Tropical Agriculture and Human Resources

Aloha Kākou

This exciting June 2022 issue of Hānai'Ai presents a good deal of information that you should find very helpful. We present a new 'Ulu Agroforestry Guide, and introduce an adapted 'Ulu propagation method for the 'ulu producer or those thinking about growing 'ulu. Please see the papaya seed repurposing for biofumigation use, detection of CBB, The Mango Loa Project, Sunflower days to maturity and programs at O'ahu's Urban Garden Center.

Make sure to visit the "back pages" of the newsletter as well, which feature Upcoming Workshops, Conferences and Meetings, and the Organic Corner for the latest news on organic production.

Stay up to date with our weekly SOAP activities via our instagram, facebook and twitter feeds, links are below.

We would also like to thank all of you who have participated in completing the survey. We will be sharing the results of the survey in the next issue.

As always, the mission of Hānai'Ai is to provide a venue for dissemination of science-based



Feature Farmer: Yokoyama
Farm- Allan and Cora Yokoyama

How long have you been farming?
We are a small farm. We currently have
3.5 acres in production. We had been
farming on Kauai for 7 years before
moving to the Big Island.

How many years has your current operation been in production?
We have been farming in Waimea for 10 years.

What crops do you grow? Animals do you raise? Any other goods and services you provide (i.e. value added)?

Artichokes, beets, blueberries, broccolini, cabbage, cauliflower, daikon, potatoes, sweet onions, and taro leaf.



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CTAHR Sustainable Ag

@SOAPHawaii

O University of Hawaii at Manoa

& ctahr.hawaii.edu/sustainag/

Joined February 2013

1,129 Photos and videos









Tweets 1,772 Following 2,613

Followers 2,119

Likes 46

Follow

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CTAHR Sustainable Ag @SOAPHawaii - Jul 28

CTAHR's Rachel Novotny presents on efforts to grow agriculture programs in public schools at the Sustainable Agriculture Education Association (SAEA) Conference



Q

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CTAHR Sustainable Ag @SOAPHawaii - Jul 27

Some of the beautiful proteas at the Kula Agricultural Reseach Station on Maui.



Q

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New to Twitter?

Sign up now to get your own personalized timeline!

Sign up

You may also like - Refresh



GoFarm Hawaii @GoFarmHawaii



O'ahu RC&D @OahuRCD



HEEA

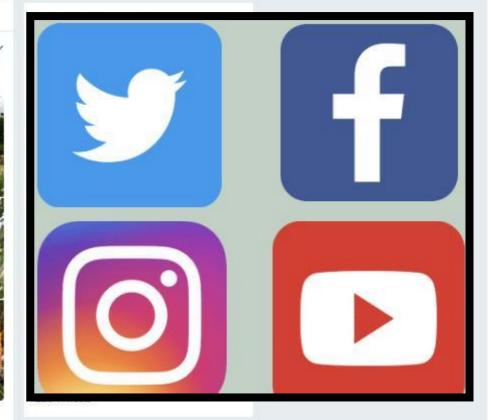


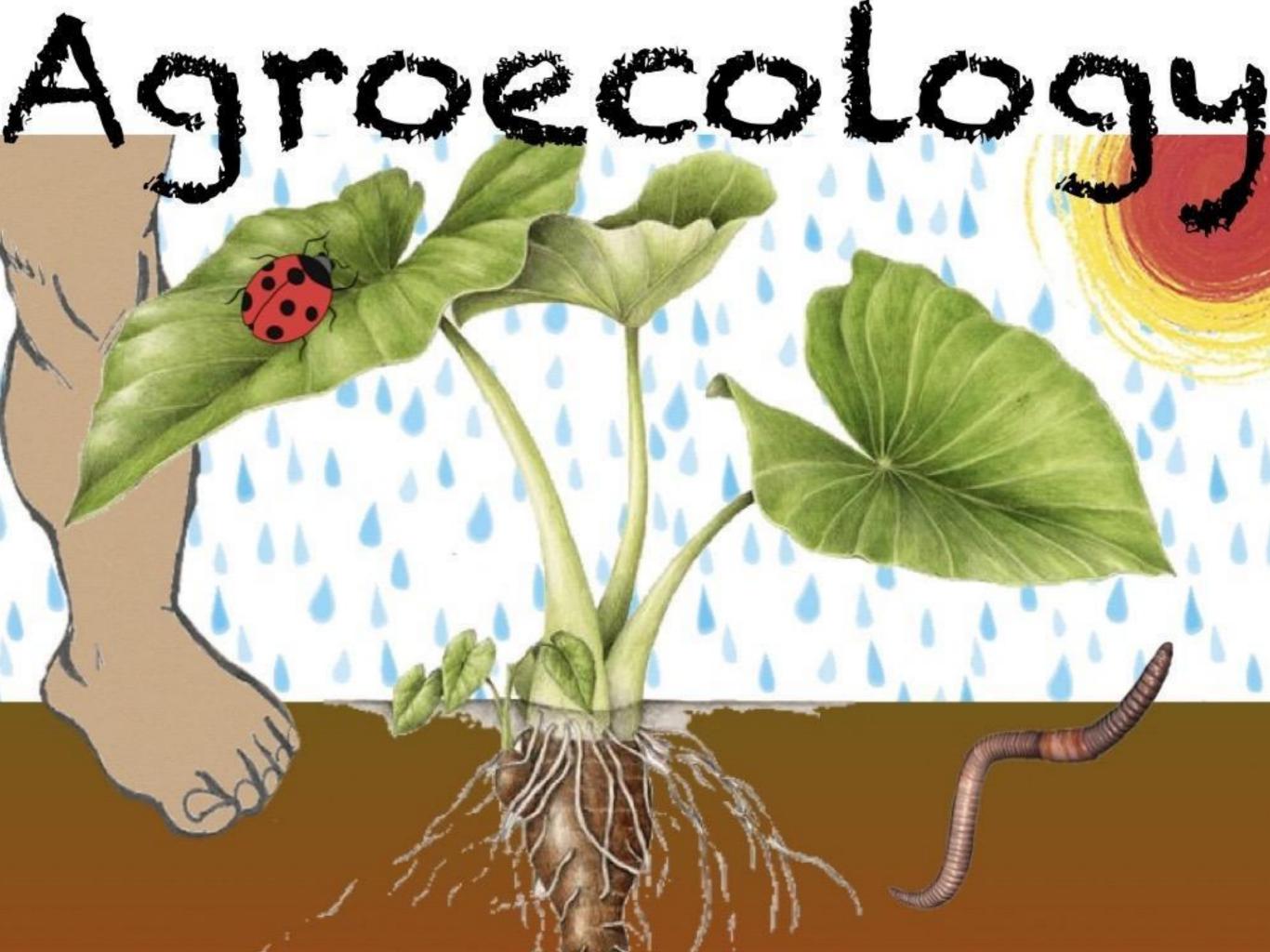
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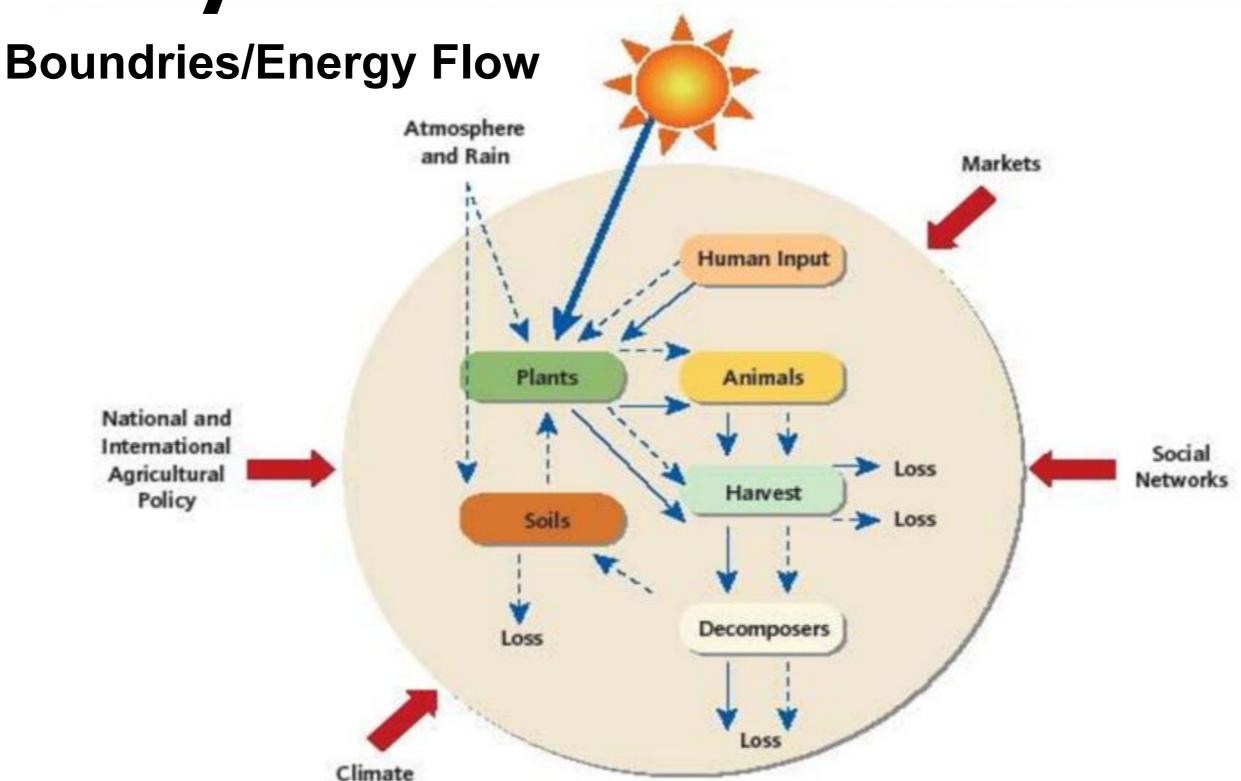
Kupu

@kupuhawaii





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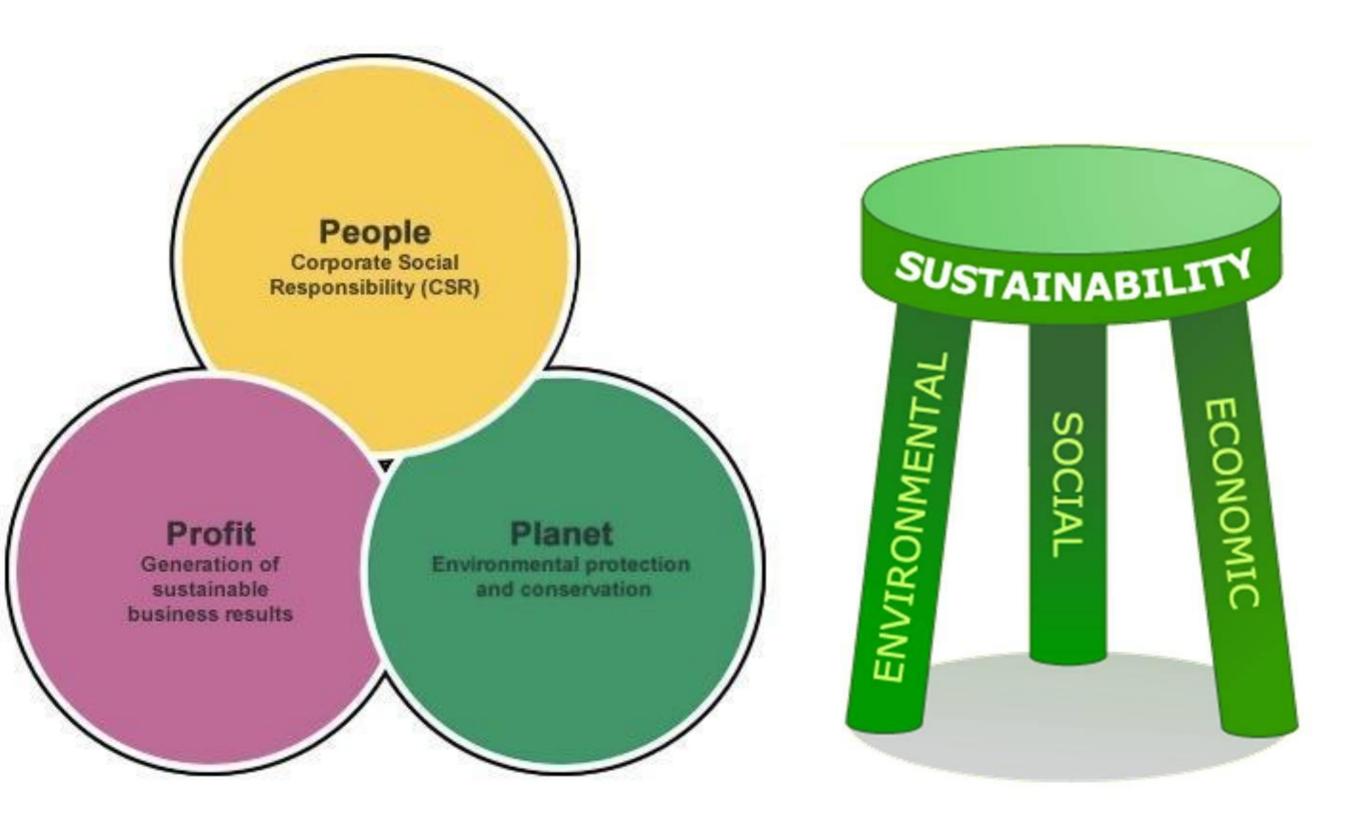


Méndez, V.E. (2010) Agroecology. pp. 55-59 In B. Warf (Ed.) Encyclopedia of Geography. Sage Publications: Thousand Oaks, CA.

System



Sustainable Agriculture is Regenerative





International Certification Services, Inc.

Certificate of Organic Operation

University of Hawaii, College of Tropical Ag & Human Resources; Waimanalo & Poamoho Research Stations

41-698 Ahiki St. Waimanalo, HI 96795 UNITED STATES Tel: 808-956-7909 theodore@hawaii.edu

Categories of Organic Operation: Crops

Client ID Number: 1011116 Certificate Number: ICS-21631-2019

Effective Date: 09/21/2012 Issue Date: 03/12/2020

Last Inspection Date: 12/17/2019 Anniversary Date: 11/01/2020

Certified Organic to the USDA National Organic Program



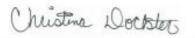
Certified Organic to the USDA National Organic Program regulations, 7CFR Part 205. Once certified, a production or handling operation's organic certification continues in effect until surrendered, suspended or revoked.

International Certification Services, Inc. (ICS Inc.), in granting this certification, warrants it has reviewed the above Certified Party's application, inspection, and other records and determines the products identified on the schedule are organically grown and/or handled in accordance with applicable USDA National Organic Program standards and regulations.

This certificate is not valid without attached Organic Certification Schedule.

Customers of the ICS client named on this certificate are encouraged to contact the ICS office to confirm the client's current certification status.

> INTERNATIONAL CERTIFICATION SERVICES, INC. PO Box 517/301 5th Ave SE, Medina, ND 58467, USA (701) 695-2080 - Fax: (701) 695-2081 www.ics-intl.com



Vice President of Operations

03/12/2020

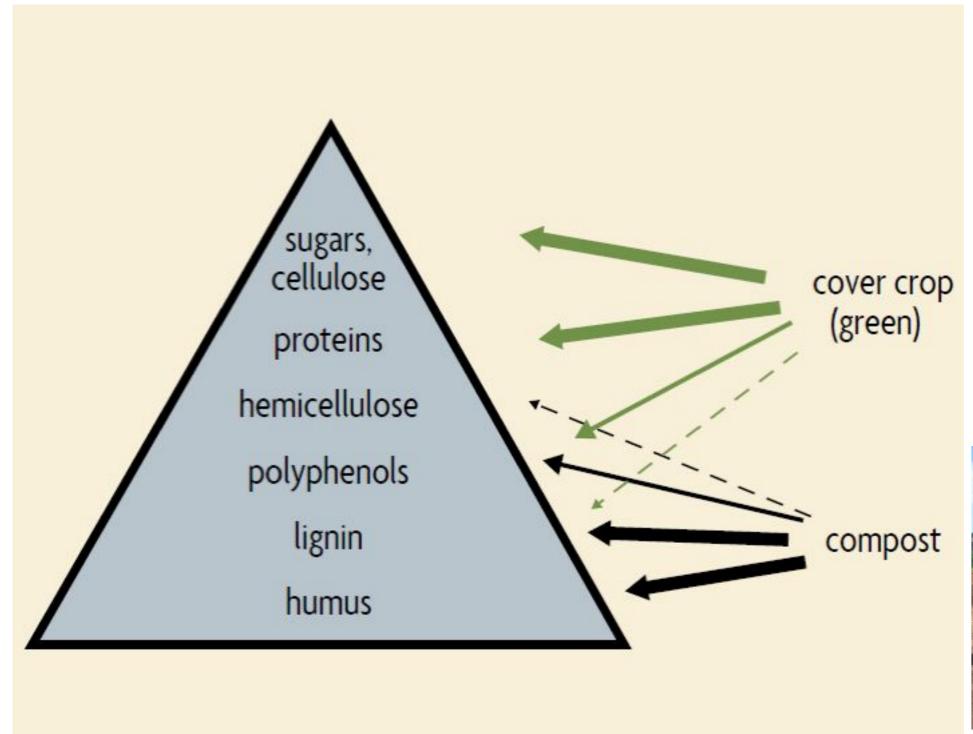
ICS Signature Title

5-CE101 01/27/2020





Soil Health







http://www.sare.org



Compost-Quality Matters









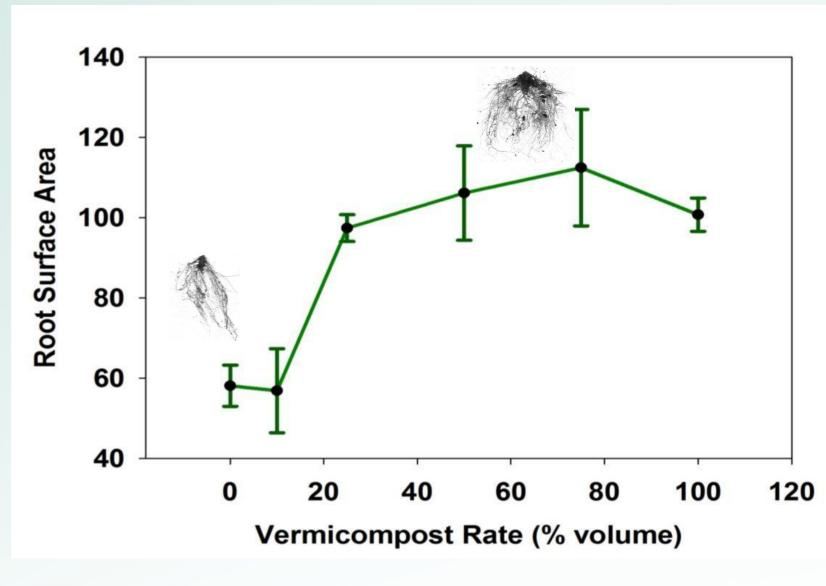






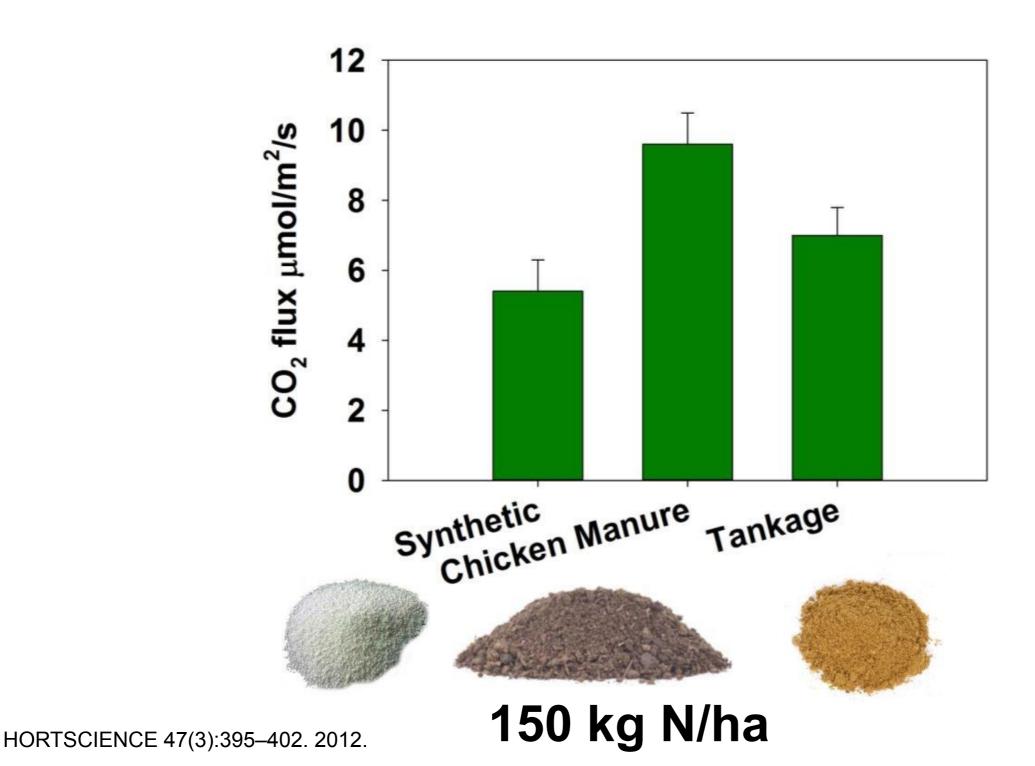
High Quality Compost in Seedling Media





HORTSCIENCE 47(12):1722-1728. 2012.

Soil Biological Activity by Fertilizer Type Applied @ 150 kg of Nitrogen per Hectare





Not all fertilizers are equal

Results of supplying 150 kg N/ha using different fertilizers



Synthetic
16-16-16
16% N
<7% C
938 kg fertilizer per ha
66 kg carbon per ha

Composted
Chicken manure
3% N
~25% C
5,000 kg fertilizer per ha
1,250 kg carbon per ha

Tankage
Meat and Bone
10% N
~45% C
1,500 kg fertilizer per ha
675 kg carbon per ha





- Limit pesticide sprays
- Provide flowering plants







Organic Materials Review Institute



