



ASI Sustainability Projects Funding Committee 24-02

Tuesday, November 7th | 10:30-11:30am

Location: USU 3700

Posted: Tuesday, November 2nd, 2023

2023/2024 Committee

Voting Members

Zeenia Najmi

Student at Large for Sustainability Representative

Chair

Justin Cadiz

Vice President Student and University Affairs - ASI BOD

Imaan Sahid

Student-at-large

Felicity Tabuken
Student-at-Large

TBD

Environmental Studies Major

Advisors

Juliana Goodlaw-Morris
Sustainability Manager, Safety, Health and Sustainability

Shannon Gallacher
Government Affairs Specialist

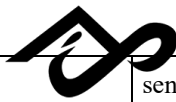
Standing Invitees

Floyd Dudley
Facility Services or Planning, Design, & Construction

Heather Burkland
Energy Management & Utility Services

Rajesh Badri
Planning, Design, & Construction

ITEM	SUBJECT	PRESENTER
01	Call to Order The meeting was called to order at 10:35am	Zeenia Najmi <i>Chair</i>
02	Roll Call Present: Zeenia, Justin, Felicity, Juliana, Shannon, Heather Absent: Imaan, Floyd Tardy: Rajesh	Zeenia Najmi <i>Chair</i>
03	Recognition of Guests Alexis Rios, Melissa Chico, Aninna Liebner, Jose Solis, Ashley Fennell	Zeenia Najmi <i>Chair</i>
04 Action	Approval of Agenda Edit to table agenda items 07, 10, and 11 for next meeting Chair Motioned to Approve Agenda by Unanimous Consent None Opposed Motion Carries	Zeenia Najmi <i>Chair</i>
05 Action	Approval of Minutes Justin Motioned to Approve the Minutes from 9/26/23 Meeting 2 nd – Felicity None Opposed Motion Carries	Zeenia Najmi <i>Chair</i>
06 Information	Open Forum* None	Zeenia Najmi <i>Chair</i>
07 Presentation	Review of SPF Application: Community Gardening and Classes Description: Committee will review proposed application. Fiscal Impact: \$1275 No students were in attendance to present. Tabled for closed session	Zeenia Najmi <i>Chair</i>
08 Presentation	Review of SPF Application: CSUSM Bike Rental Program Description: Committee will review proposed application. Fiscal Impact: \$4204.89 See attached for presentation Aninna Liebner presented on the potential implementation of a CSUSM Bike Program Zeenia asked about helmets; Aninna mentioned that OA would provide the helmets (breakdown of cost included in application) and would include a liability waiver for students when they receive the bike and the helmet Justin wondered about the funding being a one-time thing and the maintenance cost for the future; Aninna mentioned that OA would	Zeenia Najmi <i>Chair</i>



	<p>send leaders to get educated on maintenance and the rental fee will go towards this maintenance.</p> <p>Justin asked about the number if OA has been talking with Transportation to see about getting more bikes; Aninna mentioned the possibility of taking in abandoning bikes and starting small to grow the program over time – small group of students taking small outdoor adventures off campus is the main focus.</p> <p>Heather asked if the five dollars would cover insurance & is insurance necessary? Aninna mentioned that students would need to have their own insurance in order to rent the bikes</p> <p>Zeenia asked about students forgetting to lock the bikes; Aninna said they'd have to pay in full if the bike goes missing & implementing a two-strike system</p> <p>Juliana asked about storage; Aninna said it would be either new bike lockers or a bike rack – potentially moving to house those in the new WRF when that happens</p> <p>Juliana asked about potentially partnering with Transportation to do classes about bike education and safety trainings; Aninna mentioned that Health & Safety has been in contact about providing a PowerPoint prior to collecting the bike or a safety quiz (can be beforehand or in person)</p>	
<p>09 Presentation</p>	<p>Review of SPF Application: Milpas - A Space for A sustainable Community</p> <p>Description: Committee will review proposed application.</p> <p>Fiscal Impact: \$10,000</p> <p>See attached for presentation</p> <p>Zeenia asked for a cost breakdown; Students mentioned the most cost would be the materials needs to raise beds & build the garden as well as the cost of the seeds; Quarter of the cost goes to event</p> <p>Zeenia asked about location of the garden; Students said it's up for discussion and they have been meeting with Dr. Bade</p> <p>Justin asked where the funds go from selling the produce? Students said it would go towards the maintenance of the garden</p> <p>Zeenia asked who the representative for would be trading/selling; students said it would be student volunteers – educational opportunities are not yet flushed out but are hoping it would be members of the local indigenous communities</p> <p>Juliana asked about the follow-through after students graduate; Students said that with Dr. Diaz-Almeyda is heavily involved in the project and her research and will continue to educate and provide students with the opportunity</p> <p>Ashley asked about irrigation systems, etc. that may be a better question for Floyd (for the labor and systems) and clarified that SPF is for student projects, not research; students mentioned that they want to partner with other student organizations on campus and that milpas farming is tailored to the environment and has better water-retention so that will hopefully bring down irrigation costs and help with maintenance of the garden</p>	<p>Zeenia Najmi <i>Chair</i></p>
<p>10 Presentation</p>	<p>Review of SPF Application: Hydration Station, ADM 4th Floor</p> <p>Description: Committee will review proposed application.</p> <p>Fiscal Impact: \$0</p> <p>No students were in attendance to present.</p> <p>Tabled for closed session</p>	<p>Zeenia Najmi <i>Chair</i></p>



11 Action	Close Session, Pursuant to CA Education Code Section 89301©(1): Application Deliberation & Allocation of Funds Description: Committee will review proposed applications and determine appropriate allocation of funds Fiscal Impact: Up to \$10,000 Item tabled for next meeting	
12 Information	Announcements None	Zeenia Najmi <i>Chair</i>
13 Action	Adjournment The meeting was adjourned at the will of the chair at 11:08am	Zeenia Najmi <i>Chair</i>

Public comment will be limited to a maximum of 5 minutes per guest. Chair will determine allocated amount per meeting.



SPF

Sign In Sheet

Meeting Date: 11/7/23

Name

Campus Affiliation

- | | |
|----------------------------------|--------------------------|
| 1. <u>Juliana Goodlaw Morris</u> | <u>sustainability</u> |
| 2. <u>Ashley Fennell</u> | <u>ASI</u> |
| 3. <u>Alexis Rios</u> | <u>student presenter</u> |
| 4. <u>Melissa Chico</u> | <u>student presenter</u> |
| 5. <u>Annina Liebreer</u> | <u>student presenter</u> |
| 6. <u>Jose Solis</u> | <u>Student presenter</u> |
| 7. <u>Heather Burkland</u> | <u>FDM</u> |
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CSUSM Bike Program

OUTDOOR ADVENTURES



A little bit of information

Future Projects
Student Benefits
Sustainability
OA Program
Cost

CSUSM BIKE PROGRAM

By offering students the opportunity to **rent bikes for just \$5** a day and collaborating with the Outdoor Adventure Volunteer Program, it not only provides a **cost-effective means of commuting** but also enriches students' outdoor experiences while fostering a strong **sense of community and environmental stewardship.**





FUTURE PROJECTS

These bikes will not only enable students to explore off-campus destinations but also collaborate with the Outdoor Adventure Volunteer Program, which will **host both free guided trips and self-guided adventures**, promoting student involvement and enriching their outdoor experiences.

STUDENT BENEFIT

- Affordable Off-Campus Transportation
- Expanded Outdoor Experiences
- Outdoor Educational Component
- Enhanced Student Engagement





SUSTAINABILITY

Reduced Carbon Emissions:

The program encourages students to choose eco-friendly biking over carbon-emitting vehicles.

Affordable and Accessible:

Offering affordable bike rentals at \$5 a day makes sustainable transportation accessible to a broader student population, promoting its long-term adoption.

Educational Component:

The program integrates sustainability education into the student experience, raising awareness about eco-friendly transportation practices.

Cost Break Down

Bike(s)

5 Mountain Bikes
5 Cruiser/City Bike

Total: \$2,799.99

Maintenance

2 Maintenance Education(s)
Emergency Bike Part Fund

Total: \$695.00

Safety

Helmet(s)
Bike Lock(s)

Total: \$709.90

**Grand Total:
\$4,204.89**

Thank
you!

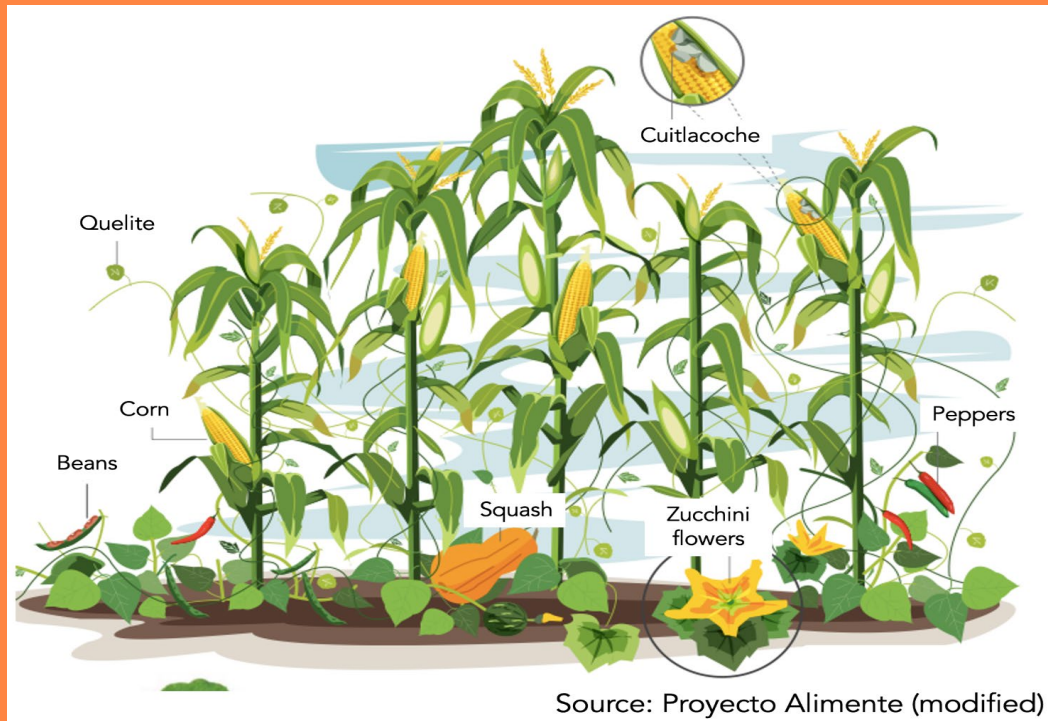


MILPAS :
CREATING A
SUSTAINABLE
COMMUNITY

A PROJECT TO CENTER
INDIGENOUS
TECHNOLOGIES FOR
SUSTAINABLE FOODS

BACKGROUND

Milpa is a millennia-old (9,000 years old) polycrop system that originated in Mesoamerica and is still actively used in México.



The use of Milpa is one highly saturated in culture as well. The name maize comes from the Taino word 'mahiz' which translates to the bringer of life. The maize is classically one of three sisters, the other two being beans and squash. Over time milpas came to include a multitude of crops that benefit and compliment this amazing agricultural relationship.

Our hope is to bring this indigenous knowledge and technology to CSUSM in the form of a communal Milpa garden.

EL CICLO DE MILPA (Universo)

ETAPA 4

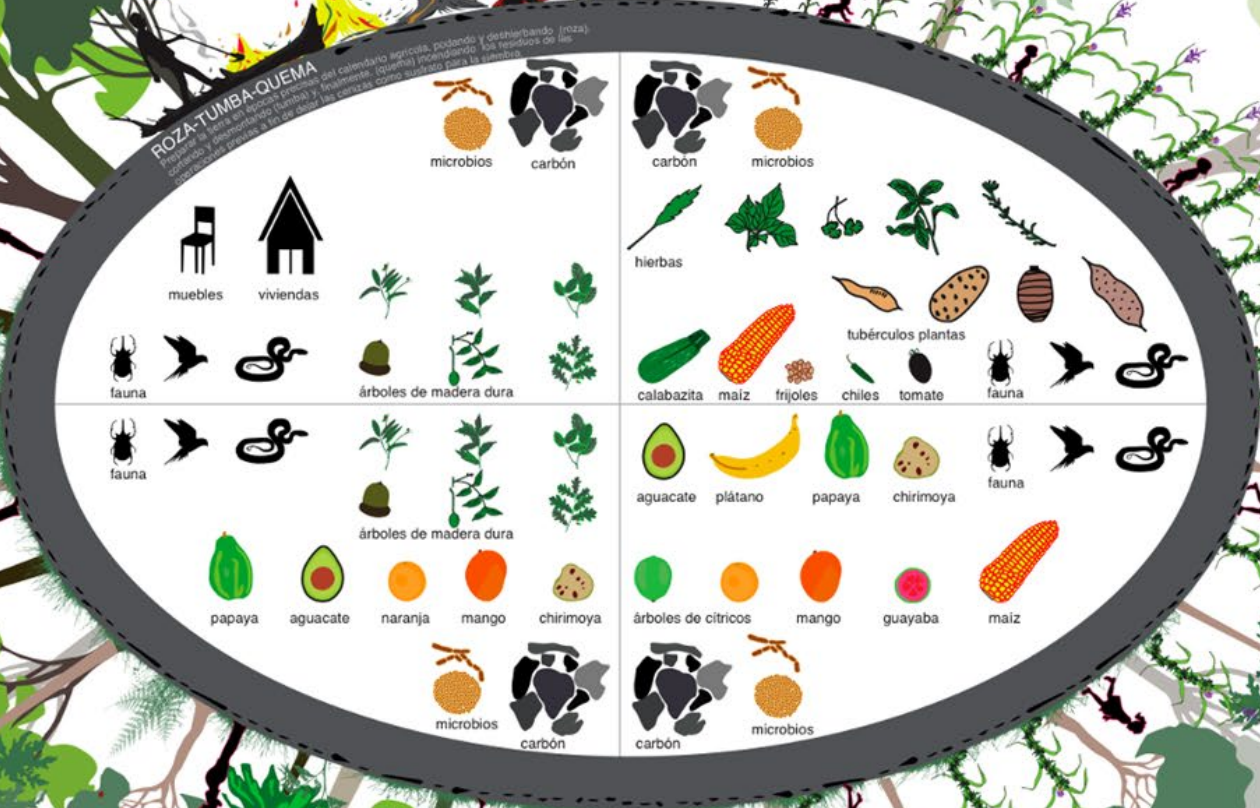
- El bosque comestible es transformado en uno de maderas duras.
- El ciclo de la milpa comienza de nuevo.

Cultivar con las fases de la luna



ETAPA 1

- Dentro de los primeros dos a tres años, la trilogía mesoamericana del maíz, frijol y calabacitas son cultivados a pleno rayo de sol.



ETAPA 3

- Árboles frutales maduros que comienzan a producir
- Maderas duras, como Cedro y Caoba, son plantados para crecer dentro de las próximas épocas.

ETAPA 2

- Maíz, frijol y calabacita para proveer frutos en cinco años
- Árboles frutales que necesitan más tiempo para producir

Futuras Generaciones

Futuras Generaciones



MILPA is a multifunctional ecosystem

Biodiversity

- Maintaining local macro and micro biodiversity
- Local and global climate regulation
- Biogeochemical cycling

Human health

- Healthier diet - food security
- Active lifestyle

Social space

- Creates community
- Cognitive development
- Culture and art
- Recreation and tourism

PROMOTION

- Our goal is to collaborate with several student organizations
 - Latinx center, Social Justice Studies Club, Cross Cultural Center, California Indian Culture and Sovereignty Center
- Seasonal promotions of the celebrations
 - We also aim to bring Indigenous people and local communities to guide in our practices.
 - Celebrations surrounding planting, rain, harvests and more could be brought to campus.





EDUCATION

- Seasonal practices with knowledge of Earth processes.
 - Ch'a Chaak which are ancient practices to celebrate rain.
- Sustainable farming opportunities to teach students how to replicate this garden, and how to grow fresh and nutritious food.
- Soils health, plant interactions, and companion planting can all be taught through this model.
- Professors like Dr. Diaz-Almeyda can use this garden in their biology research and classes
- Volunteering opportunities to help maintain the garden can be offered by professors.
- Cultural events
 - Dia de Muertos, Harvest festivals, Ch'a Chaak, etc.



OUTREACH

- In the theme of sustainability, we hope to use social media as a main source of outreach, including partnering with student organizations and their social media profiles as well.
- We would also like to ask professors with related subjects to give extra credit or attendance at events.





FINANCIAL SUSTAINABILITY

- Once the milpas is established we hope to be able to sell affordable produce, potentially at the farmer's market and local vendors and campus
- There is also the ability to trade heirloom seeds that are produced by our plants, through seed fairs.
- We also aim to partner with community or school programs to host educational tours
- Host indigenous celebration events partnered with clubs on campus and organizations



GOALS

- Education on food deserts and healthy eating
 - Food security
 - Primary food contribution
 - The nutritional value of fresh picked food
- Recognition of indigenous science
 - Teaching and revitalizing of ancient sustainable practices
 - Understanding of complex ecological systems
- To bring Native and Latin students representation and a place to reconnect to their roots on campus



FACULTY, STAFF, AND STUDENTS

Alexis Rios, Melissa Chico Brito, and Luiza Borges are the students involved in this sustainability project.



We have had the pleasure to work with Dr. Erika Diaz-Almeyda (Biology) as our advisor on this project. Her research on indigenous agricultural practices directly relates to milpas and the cultural knowledge around this system has been crucial.

We have also set up a meeting to talk with Dr. Bonnie Bade (Anthropology) who is the director of the Community Ethnobotany Garden Laboratory, and she has been very encouraging of our ideas. We have contacted professors like Dr. George Volartis (Biology) and other faculty who have expressed their excitement for the project.

