

INSTITUTO POLITÉCNICO NACIONAL

Interdisciplinary Research Center for Integral Regional Development Oaxaca (CIIDIR Oaxaca)

INTRODUCTION

Mexico is the cradle of the genus Agave and its biodiversity. Agave cultivation and use has cultural, economic, and environmental importance not only to produce alcoholic beverages such as tequila, mezcal and sotol, but also to use of the plant and its by-products, such as syrups, fructans, fibers, fodder, wood, etc.

In Oaxaca, mezcal agro-industry plays an important role since it generates 128,000 direct and indirect jobs annually. Currently, and due to the rise in the demand for mezcal, there is an overexploitation of the different species of agaves, which has led to the predation of wild species, and endangers the extinction of endemic ones. In addition, its monoculture in forest soil slopes is causing a serious environmental problem.

Considering the experience of CIIDIR Oaxaca organizing the two previous National Congresses of Agave and Mezcal, held in 2017 and 2019, respectively, this time, together with the 3rd National Congress, we will hold the 1st International Congress of Agave and Mezcal to exchange experiences with researchers, international organizations officials, entrepreneurs from other countries with sectors related to this value chain.

Given the current and potential use of this natural resource of Mexico, the 3rd National Congress and 1st International Congress aims to contribute to the knowledge, use and sustainable management of agaves and mezcal agro-industry, through the dissemination of research carried out in various public and private institutions, in addition to the dissemination of empirical knowledge of the producers involved in agave cultivation, exploitation, transformation and commercialization.

CALL

Instituto Politécnico Nacional through CIIDIR (Interdisciplinary Research Center for Regional Integral Development) Oaxaca, in collaboration with the Government of the State of Oaxaca, business, academic and social organizations, invites researchers, faculty, students, research centers, companies, civil organizations, agave and mezcal producers, as well as all those interested and involved in the use and knowledge of Agave and Mezcal, to attend and present their work and experiences with the aim of analyzing and reflecting on the knowledge, use, and sustainable use of agave and mezcal from Oaxaca, and other Mexico's States, which will be part of the:

3rd NATIONAL CONGRESS and 1st INTERNATIONAL CONGRESS OF MEZCAL AGAVE

“Towards sustainability”

Which will take place at the **Cultural and Convention Center of Oaxaca** located in **Ciudad de Las Canteras, Oaxaca de Juárez**. On **September 28, 29 and 30, 2023**, in the following **thematic axes, analysis talks, theoretical-practical workshops, and ancestral mezcal routes**.

A. THEMATIC AXES

THEMES:

1. Cultivation systems, pests, and diseases.

2. Biodiversity

SUB-THEMES

- a) Taxonomy and morphology
 - b) Sexual and asexual propagation
 - c) Growth & development
 - d) Photosynthesis & Respiration
 - e) Organic and inorganic nutrition
 - f) Integrated management of pests and diseases
 - g) Irrigation
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- a) Phenotypification and ethnobotany
 - b) Genetic diversity
 - c) Biotechnology
 - d) Plant genetic resources
 - e) Agave Genomics
 - f) Agaves and pollinators
 - g) Ecological interactions of the agave ecosystem

**3. Mezcal Agro-
industry**

- a) Bioenergy (supplies for cooking and distillation)
- b) Waste and by-products
- c) Waste Management
- d) Waste use, and development of new products
- e) Fibers and derivatives
- f) Distillation: mezcal processes, equipment and quality control

**4. Agave and
Health**

- a) Fructans, saponins and other compounds
- b) The effect of mezcal on health
- c) New products based on agaves

**5. Society and
Culture**

- a) Traditional knowledge
- b) Producers organization
- c) Social, cultural, political, and legal studies
- d) Mezcal promotion
- e) Ethics and social responsibility
- f) Gender equity and social inclusion

**6. Legal
Regulation**

- a) Intellectual property (designation of origin, geographical indications, and copyright)
- b) Offenses in mezcal agro-industry and agave cultivation
- c) Taxes
- d) Sustainability legislation
- e) International protection of the term “mezcal”
- f) Mexican official standards
- g) Industrial property
- h) Collective brands
- i) Other distinctive features

**7. Economy and
Industrial
Development**

- a) Entrepreneurship and business development
- b) Market and commercialization
- c) Global mezcal marketing
- d) Fair trade
- e) Investment in sustainability
- f) Stock exchange value
- g) Exporting logistics
- h) Supplies delivery
- i) Economic revaluation

**8. Sustainability
and
environment**

- (a) Sustainability awareness
- (b) Good practices
- (c) Soil and water conservation
- (d) Sustainable use of forest resources (firewood)
- (e) Carbon footprint

PARTICIPATION GUIDELINES

ABSTRACTS

To participate in the Congress, an abstract, the topic and modality (in-person, online or poster) of participation must be submitted. All abstracts accepted will be published in a digital congress proceeding with ISSN register. The abstracts will be uploaded in the following address: <https://web.ciidiroaxaca.ipn.mx/congresoagave2023>, or submitted to: conagaveciidiroax@ipn.mx

- **Deadline for abstract submission:** May 24, 2023.
- **Reply on abstract evaluation:** May 31, 2023.

MANUSCRIPTS

Abstracts accepted by the reviewing committee will be published in a digital congress proceedings with ISSN register, and more relevant manuscripts, in the opinion of the reviewing committee, and after to a second evaluation, may be published in the "Contributions to Scientific and Technological Knowledge in Oaxaca" journal, with ISSN register, and must be submitted to <https://web.ciidiroaxaca.ipn.mx/congresoagave2023>, they may also be sent to the email: conagaveciidiroax@ipn.mx

- **Deadline for manuscript submission:** July 21, 2023
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- **Reply on manuscript evaluation:** August 12, 2023
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- **Notification of works acceptance:** August 20, 2023

B. ANALYSIS TALKS (free access)

- Designation of origin, geographical indication and international protection of the term “mezcal”
- Environmental impact of mezcal agro-industry
- Agave-mezcal value chain innovation
- Commercialization and international market

C. BUSINESS MEETINGS

A business area will be available for meetings between products and services suppliers and interested potential buyers, as well as among the Agave Mezcal value chain actors with similar interests to reach commercial, technological and governmental collaboration agreements. People interested in participating in these business meetings must *register in advance* using the form designed to facilitate the identification of parties contact information and the goals of the agreement.

D. TRAINING WORKSHOPS (THEORETICAL-PRACTICAL) (*)

1. Origin and control of furfural, methanol, aldehydes, and alcohols in mezcal distillation
2. Fundamentals of alcoholic fermentation for mezcal distillation
3. Mezcal sensory evaluation
4. Biogas production from mezcal vinasse
5. Sustainable management of Agave plantations

E. ANCESTRAL MEZCAL ROUTES (*)

1. Route of the Native Peoples of Ancestral Artisanal Mezcal of the Ocotlán District.

Oaxaca – San Dionisio Ocotlán – Santa Catarina Minas - San Baltazar Chichicapam

F. FEES FOR CONGRESS PARTICIPANTS

Description	Fees
Speakers (faculty, researchers, and entrepreneurs) in-person and online	\$2500.00 MXN
Students (valid student ID required)	\$1500.00 MXN
General public	\$400.00 MXN

• **Payment deadline:**
Speakers - September 20, 2023
General public – September 28 y 29, 2023

For congress registration, deposit the fee (speakers, students, and general public) in the following bank account.

Bank: BBVA Bancomer

Account holder: R11 B00 IPN ING LIF CIIDIR OAXACA

Account number: 0120599247

CLABE: 012180001205992477

(*) Important Note:

To participate in the analysis talks and training workshops, registration in the 3rd National Congress and 1st International Congress of Agave Mezcal, at least as general public, will be required.

The fees to attend the training workshops and ancestral mezcal routes tours will be available on the website.

MORE INFORMATION:

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Website (under construction):

<https://web.ciidiroaxaca.ipn.mx/congresoagave2023>



INTERINSTITUTIONAL ORGANIZING COMMITTEE

Instituto Politécnico Nacional

CIIDIR Oaxaca

Business Organizations

COMERCAM A.C. (Mexican Council for the Regulation of Mezcal Quality)

Mujeres del Mezcal y Maguey de Oaxaca A.C.

Sistema Producto Maguey Mezcal de Oaxaca A.C.

Instituto Sensorial del Mezcal A.C.

Cámara Nacional de la Industria del Mezcal A.C.

Clúster Oaxaqueño para la Competitividad del Mezcal A. C.

Research and Educational Institutions

Universidad Tecnológica de la Sierra Sur de Oaxaca

Universidad Tecnológica de los Valles Centrales de Oaxaca

Instituto Tecnológico de Oaxaca

Instituto Tecnológico del Valle de Oaxaca

Institutional Support

Centro de Vinculación y Desarrollo Regional

Dirección de Vinculación y Desarrollo Regional

Dirección de Relaciones Internacionales

Dirección de Servicios Empresariales y Transferencia Tecnológica

Secretaría de Desarrollo Económico del estado de Oaxaca

Secretaría de Turismo del estado de Oaxaca

Secretaría de Fomento Agroalimentario y Desarrollo Rural del estado de Oaxaca

Coordinación General de Educación Media Superior, Superior Ciencia y Tecnología del estado de Oaxaca

Asociación Nacional del Sistema Producto Agave Mezcal A.C.

Comisión Nacional de las Zonas Áridas

Colectivo de Mezcal Solteco A. C.

Sponsors

Proveedor de Mezcaleros y Agroindustrias Promez S.A. de C.V.

Extracta Laboratorio

Chimalli Travel Oaxaca

Plataforma Nación Mezcal

Rangel IP Consulting