

Inclusive forest-positive agriculture through integrated landscape approaches:

THE ROLE OF THE MINISTRY OF AGRICULTURE
AND RURAL DEVELOPMENT IN MEXICO



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Food and Agriculture
Organization of the
United Nations



MAFF
Ministry of Agriculture,
Forestry and Fisheries

Mexico's context



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View of Agricultural Sector

Current approach

- Food self-sufficiency and Food Security
- Government support mainly small and medium farmers, do not let anybody behind.
- Sustainable agricultural practices.
- Goals: natural resources conservation, ecosystem services and sustainable agricultural productivity.

Ministry of Agriculture and Rural Development

POPULATION GROWTH
WW

8,300

MILLION PEOPLE FOR 2030
(FAO)

MEXICO'S AGRICULTURAL
FRONTIER

22

MILLION ARABLE HECTARES
(SIAP)

GRASSLANDS, FOREST,
SCRUBLANDS AND DESERTS

1,750

MILLION HECTARES NOT
SUITABLE FOR AGRICULTURE
(SEMARNAT)

CLIMATE CHANGE
MEXICO IS LOCATED WITHIN THE

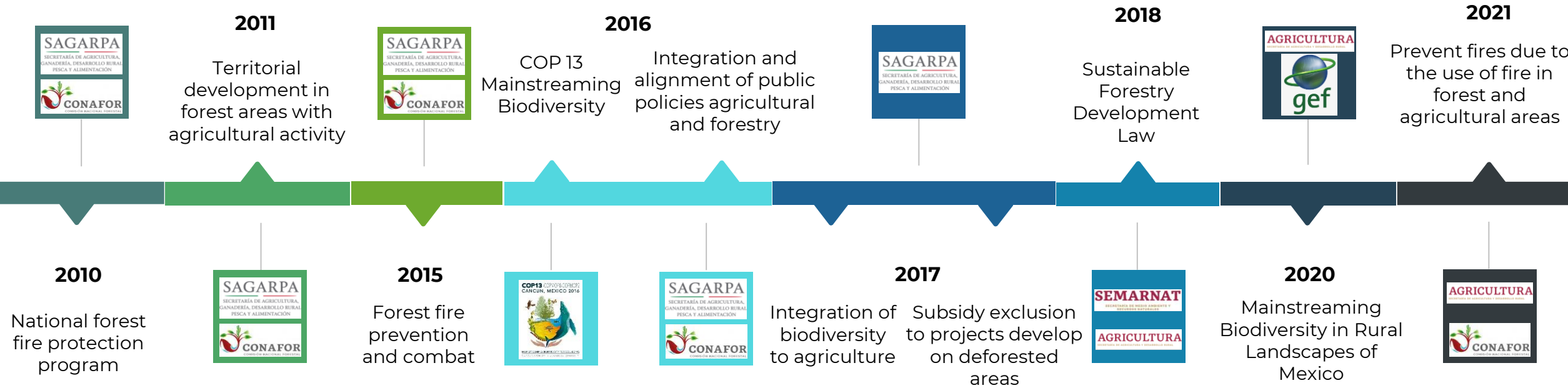
40

COUNTRIES WITH THE GREATEST
IMPACT OF CLIMATE CHANGE
(Í R C 2018)

Timeline Policies related to Forest-Positive Agriculture



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- 2010**
National forest fire protection program
- 2011**
Territorial development in forest areas with agricultural activity
- 2015**
Forest fire prevention and combat
- 2016**
COP 13 Mainstreaming Biodiversity
- 2016**
Integration and alignment of public policies agricultural and forestry
- 2017**
Integration of biodiversity to agriculture
- 2017**
Subsidy exclusion to projects development on deforested areas
- 2018**
Sustainable Forestry Development Law
- 2020**
Mainstreaming Biodiversity in Rural Landscapes of Mexico
- 2021**
Prevent fires due to the use of fire in forest and agricultural areas



Secretaría del Medio Ambiente y Recursos Naturales
Ministry of Environment and Natural Resources



(2000-2018) Secretaría de Agricultura, Ganadería, Desarrollo Rural, Pesca y Alimentación
Ministry of Agriculture, Livestock, Rural Development, Fisheries and Food



COP 13 UN Conference, Biodiversity



Comisión Nacional Forestal
National Forestry Commission



(2019- present) Secretaría de Agricultura y Desarrollo Rural
Ministry of Agriculture and Rural Development



Global Environment Facility

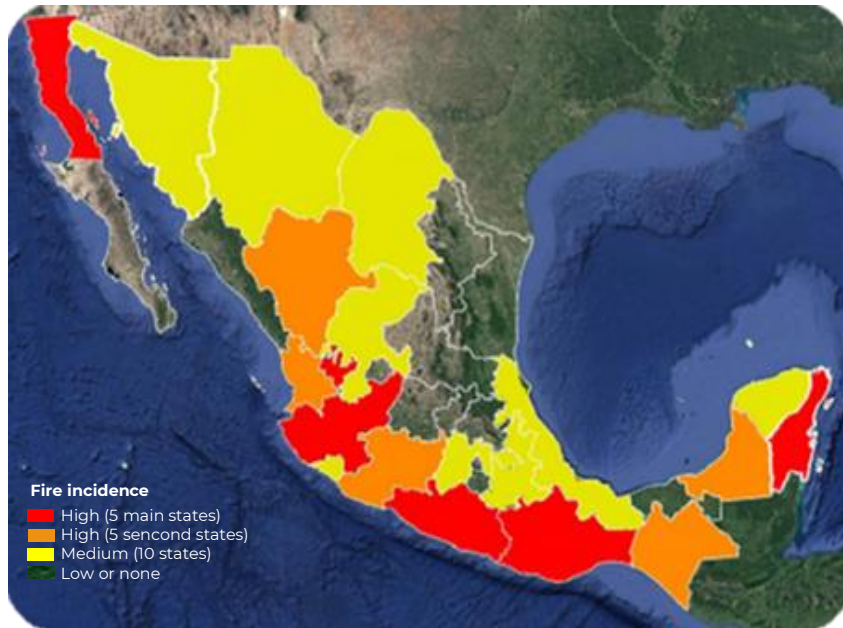
Wildfires in Forest Areas 2020



Affected Areas

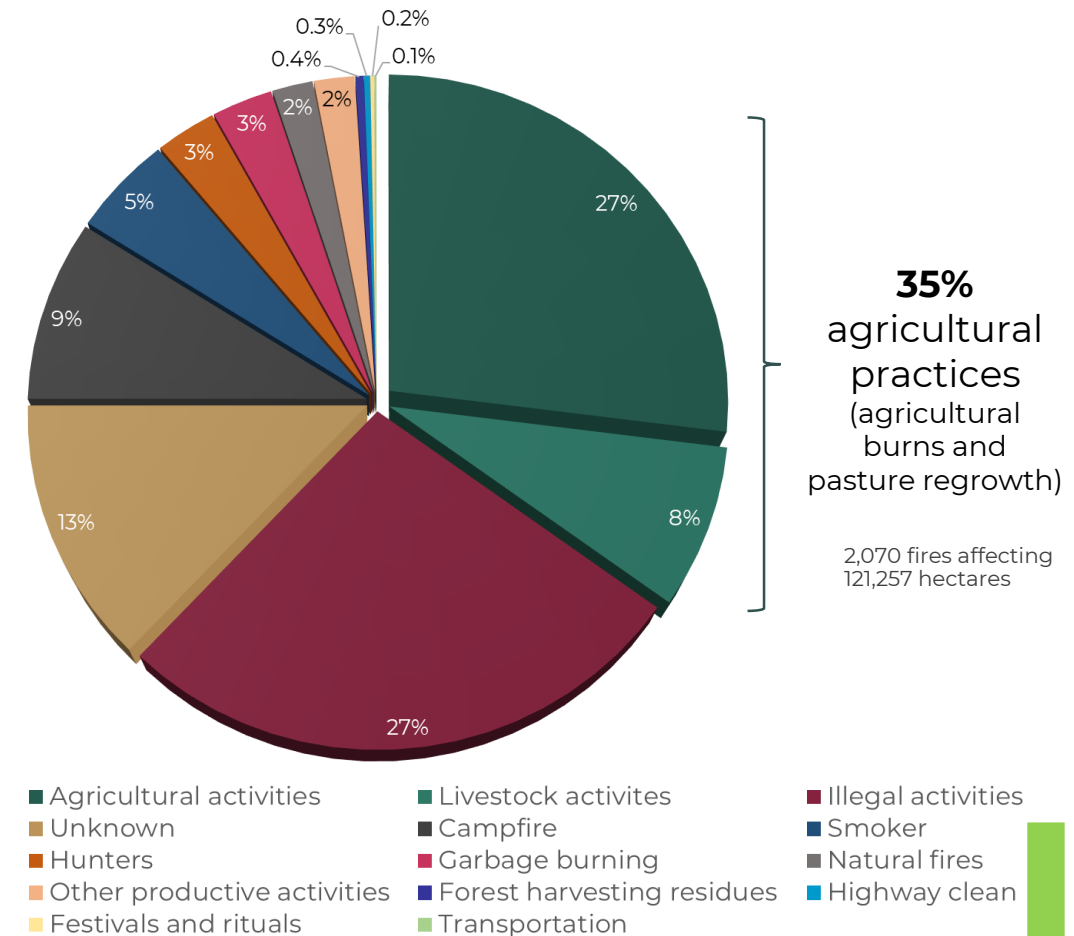
378,928 ha. of forest were affected by 5,913 fires

*Baja California, Guerrero, Quintana Roo, Jalisco and Oaxaca represent **58.3%** of the affectations*



State	Affected area (ha)
Baja California	79,299
Guerrero	49,413
Quintana Roo	41,678
Jalisco	29,677
Oaxaca	20,693
Michoacán	19,767
Chiapas	17,927
Durango	12,901
Nayarit	11,740
Campeche	10,946
Subtotal	294,040
National (%)	78
Other	84,888
TOTAL	378,928

Possible causes



Efforts to reduce the use of fire in agriculture



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Sustainable Forestry Development Law

Last modification April 26, 2021

Art 24. Sec. VII. Design and apply a strategy for fire management and promote agricultural production alternatives that exclude the use of fire.

Official Mexican Rule

NOM-015-SEMARNAT/SAGARPA-2007
Updating process

This NOM established the technical specifications and methods for the use of forest fires and agricultural burns.

Agricultural Subsidy Exclusion

Subsidy exclusion to projects develop on deforested areas outside the agricultural frontier.

Agriculture
Development
Program
(2017-2019)

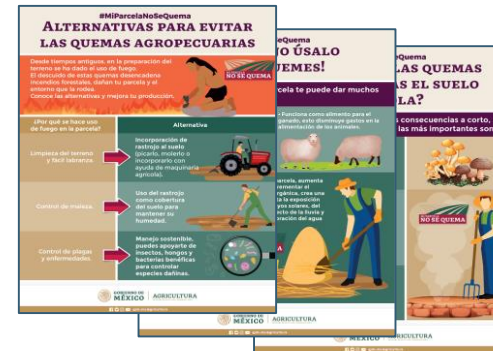


Agriculture, Livestock, Fishing
and Aquaculture Development
Program
(2020-2021)

Government Actions



[#MiParcelaNoSeQuema](#)



- Capacity building to promote alternative practices (conservation agriculture) to benefit soil and water quality by MasAgro Program in collaboration with CIMMYT.
- Promoting [online videos](#) for different states (Chiapas, Guerrero, Hidalgo, México, and other states) presenting alternative practices and explaining NOM-015.
- Campaign to create awareness among farmers, through radio and social networks.
- Incendios y Quemas Mx App. Application to notify controlled agricultural burns and forest fires.

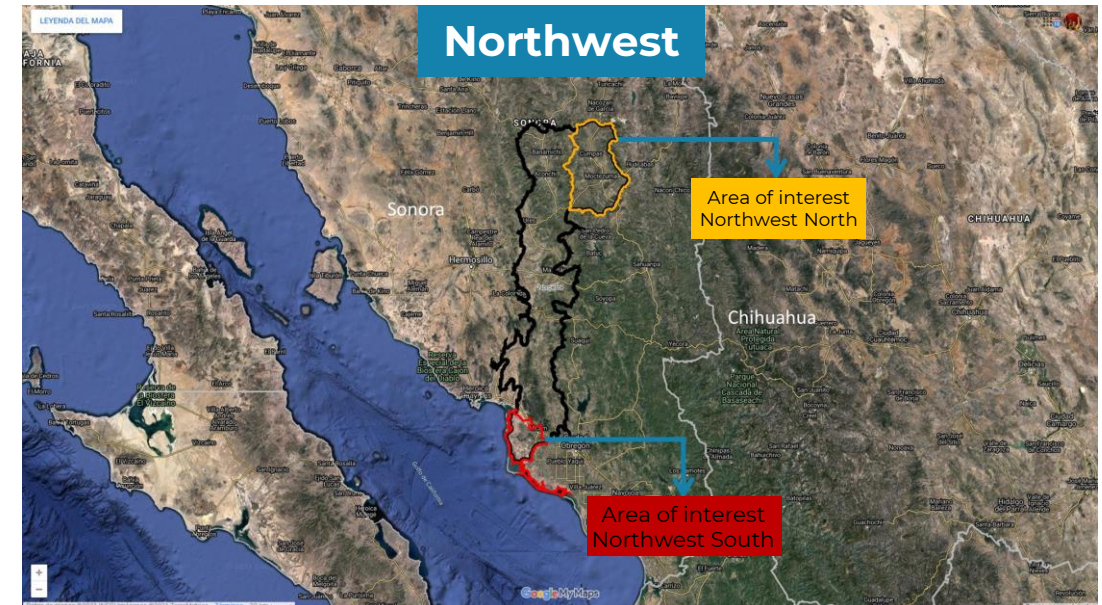
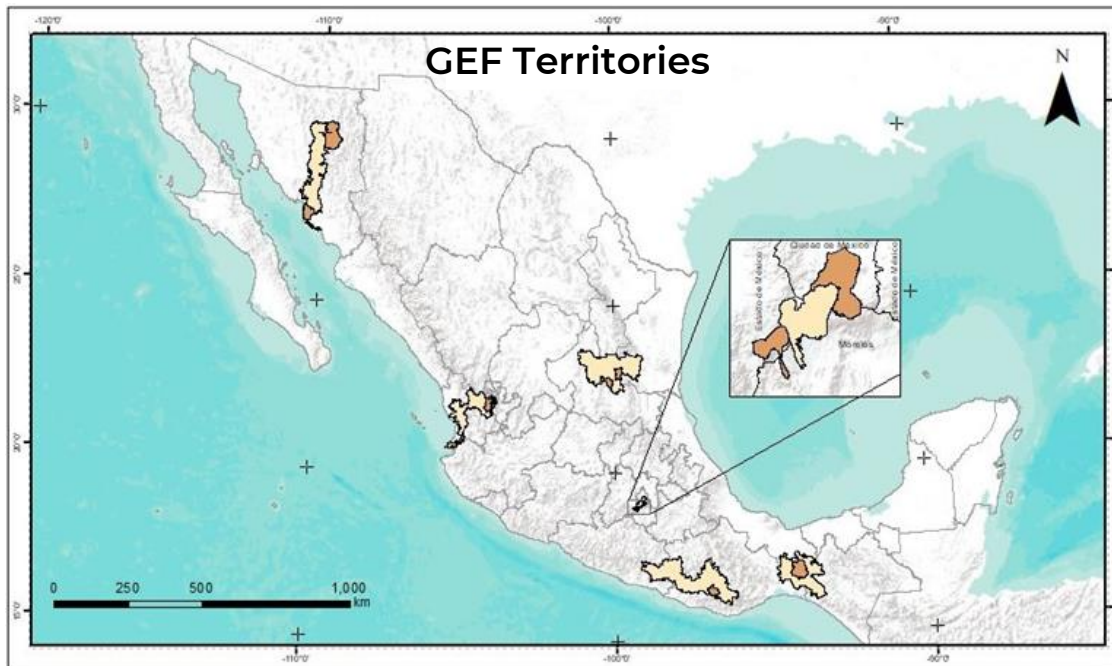
Mainstreaming Biodiversity in Rural Landscapes of Mexico



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Objective: Mainstream biodiversity in rural landscapes by implementing sustainable policies and practices in the agricultural sector.



- Improve water management
- Promote forest conservation & restoration
- Soil restoration
- Crop planning strategy
- Promote natural connectivity



Actions that contribute to forest-positive agriculture

National Strategy for the Conservation and Sustainable Use of Pollinators (ENCUSP)



- Short, medium, and long term actions
- Recognize interrelations between natural ecosystems and ecosystem services for agriculture
- Interlinks between CC, biodiversity and food security

7. LANDSCAPE, CONNECTIVITY AND BIOCULTURAL ASPECTS

Specific action 7.1.1 Promote the **conservation of habitats**, vegetation and native germplasm at landscape level.

Specific action 7.1.3 Promote a comprehensive and participatory **territorial planning**.

8. PROMOTING SUSTAINABLE AND BIODIVERSITY-FRIENDLY PRODUCTION

Specific action 8.1.1 Promote agricultural practices favorable to pollinators, that include **actions that reduce deforestation** and desertification, efficient pesticide management and conversion of monocultures to diversified systems.



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Estrategia Nacional para la Conservación y Uso Sustentable de los Polinizadores (ENCUSP)



GOBIERNO DE
MÉXICO

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MEDIO AMBIENTE

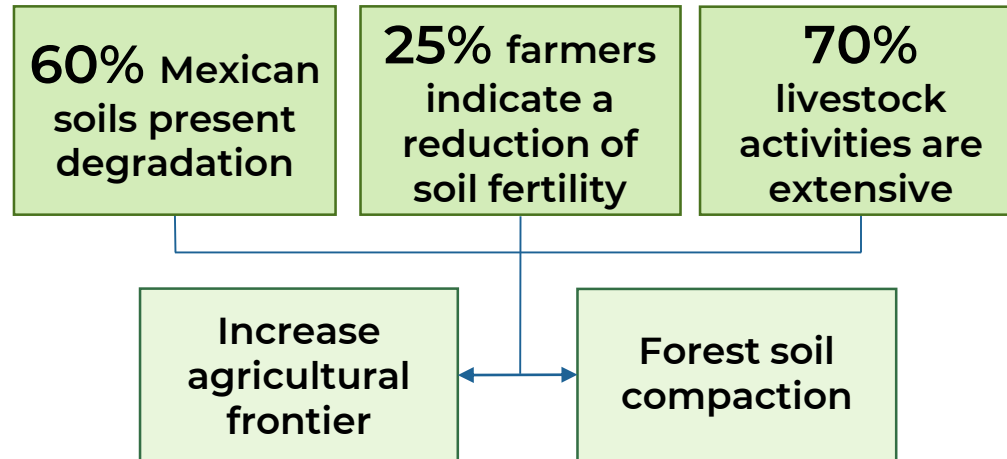
Actions that contribute to forest-positive agriculture



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National Soil Strategy for Sustainable Agriculture*



Objective: Conservation, restoration and promotion of sustainable soil management for agriculture, food and well-being.

Focal points:



- Sustainable soil management
- Information and monitoring system
- Education, awareness, and participation
- Research, innovation, development, and technology transfer
- Coordination and cooperation
- **Soil governance**

*Strategy currently under development

THANK YOU

For more information, you can contact;
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