

# Community based fire management

Latin American Model Forest Network Natalia Ruiz-Guevara











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Case studies

The IMFN and the LAMFN

Participation: Who?

Synergies and networking: How?

Finance: Which one?

Links with restoration: What's next?

## What's a Model Forest?

Network of networks



A Model Forest is as a process for bringing a diverse partnership of individuals and groups together to realize a common vision of sustainable development in a large landscape. Six principles of work.

**IMFN (2022)** 



Images: D. Coimbra (MF Chiquitanía Sostenible), Inty Arcos, Programa Bosques Andinos, RLABM

# International Model Forest Network



Network of networks



**Latin American Model Forest** Network

Network of networks

- 15 countries
- 35 territories
- 20 years
- Based in exchange of experience and networking
- Follow us!











- 1. Manejo Forestal
- 2 Lachus 3. Los Altos

### Honduras

- 4. Atlantida
- 5. Sico-Paulava
- 7. Nomeste de Olancho
- B. Noroeste de Olancho

#### Costa Rica

9. Charobaga 10. Reventación

### Colombia

11. Valle de Abuma 12. Risaranta

## Ecuador

13. Choco-Audino

- 14. Rio Husvahamba Abiseo
- 16. Picharote 17. Apprimac Altencay

### Bolivia

18. Chiguitano

#### Chile

- 19. Cachapoal
- 21. Parguipulli

#### España

#### Cuba

22. Saharias de Margoas

#### Puerto Rico

23. Nacional de Puerto Rico

### República Dominicana

24. Yaque del Norte: 25. Colinas Bajas

#### Brasil

- 26. Amazonas-Tapaios 27. Hilela Balana
- 28. Mession Sertile
- Vereday-Perusqu 29. Pantanal
- 30. Myta Atlántica

### Paraguay

Pars socio

## Argentina

- 32 Jujuy 33. Formoseño

35. Furtaleufü





## We met to talk about fire

MF Chorotega, Costa Rica (September 2022)



Images: RLABM



## Who should manage fire?

## Stakeholders mapping

## Multiple:

- √ Identities
- ✓ Roles
- ✓ Rules
- **✓** Functions
- √ Forms of organization

National government: different sector

Risk management: climate, fire services, police, army

Local government

International affaires

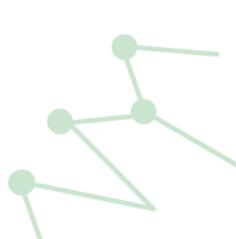
NGO

Civil society: different kinds of organizations

Academy

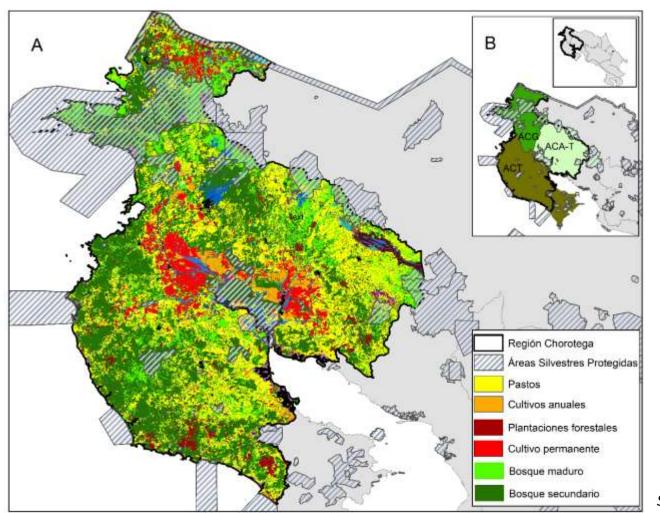
Private sector

Press





# Case study: MF Chorotega



- ✓ Livestock
- ✓ Sugar cane
- √ Forest
- ✓ Restorated forest

Dry season: Fires

Source: Medellín et al 2022



# MF Chorotega's Stakeholders Map

National System of Conservation Areas

Ministry of Agriculture

National Comision of Forest Fires

Costa Rican Fire Department

Fire brigades (volunteers)

Private companies

Communities

Press

Small and medium holders

Municipalities

Eduacation institutions and departments







Source: Medellín et al 2022



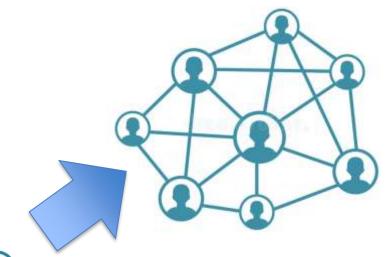
# Identify stakeholders is a permanent process

- ✓ Sensibilization and education
- ✓ Advocacy
- ✓ Dialogue
- ✓ Research
- √ "Fire Smart" production models





How to evolve from a stakeholders mapping to a Network of synergies?

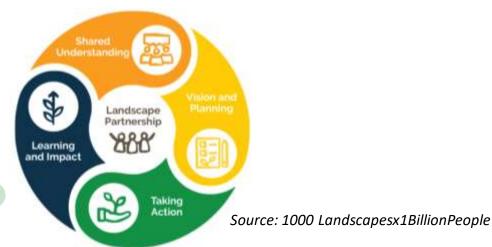






## Bringing different positions to the table

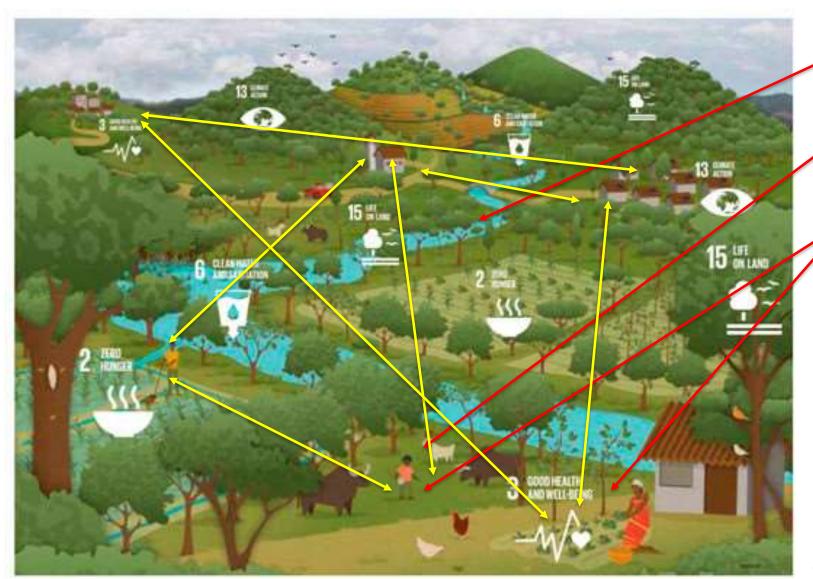
- ✓ Interinstitutional platforms of governance
- ✓ Norms
- √ Inclusion of multiple sectors
- √ Agreed agendas





maaas: DI A DNA





**Common interests** 

Livelihoods and roles

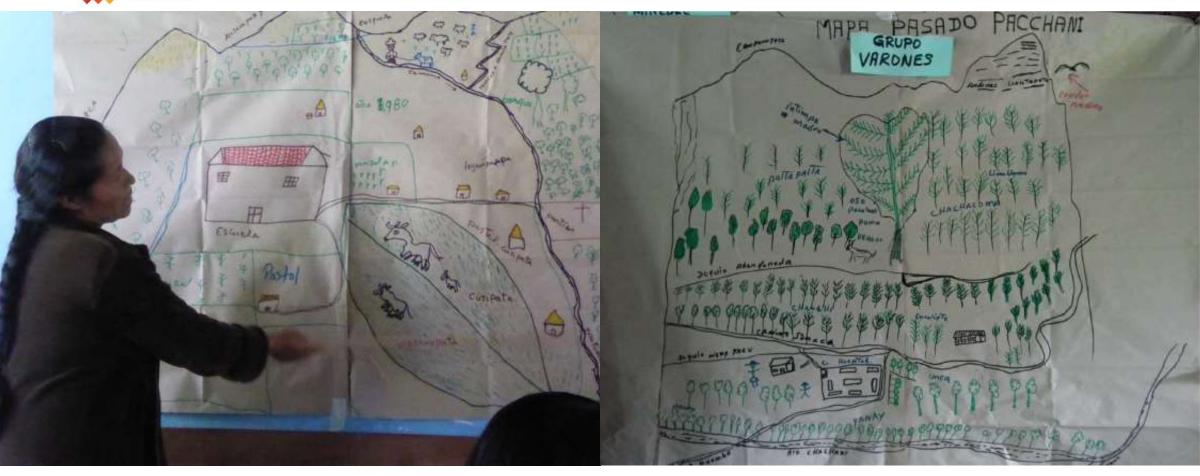
Inclusion of diversity

Effective communication Local leadership

Transparency and legitimicy

Image source: Thaxton et al., 2015.



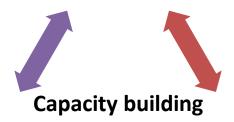


Why do we remark so much about inclusion?



# MF Chorotega's agreed agenda

Prevention



Liquidation and control



Controlled burns





Source: Medellín et al 2022

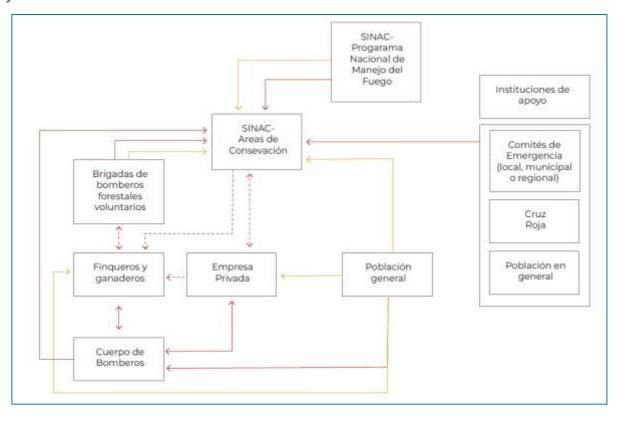


# MF Chorotega's network

## Prevention (on the field and educaction)

### SINAC-CONIFOR Programa Nacional de Manejo del Contratista de Fuego trabajos de ingenería Medios de comunicación SINAC-Areas de Consevación Organizaciones no *aubernamentales* Brigadas de bomberos forestales voluntarios Centros educativos Finqueros y Empresa ganaderos privada Población MAG general

## **Detection and combat**



Effective communication

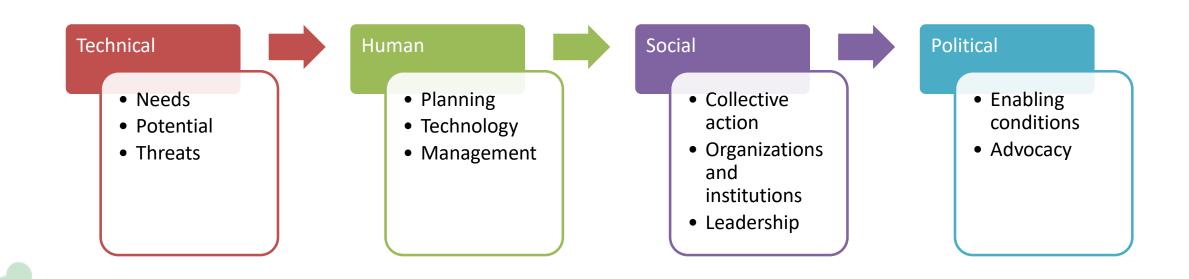


# Finance or incentives?

Which finance sources are needed?



# Same logic than landscape managment: COMPLEX



**Estrategies over Sources** 



## An universe of sources















# What's next?

Restoring burnt areas



# Lessons learn't from RetaurACCIÓN Proiect

## Identify priorities

- Diversity of methodologies
- Planning
- Political advocacy

## Demostrative sites

- Plots
- Practices
- Networks
- Germplasm
- Sustainable livelihoods

## Monitoring

- Biological
- Meteorological
- Dynamics

Governance, knowledge management, capacity building, research, participation, inclusión, technologies, wellbeing, fundraising ...















Images: RLABM, BM Chiquitanía Sostenible, BM Huayabamba Abiseo, BM Hileia Bahiana, BM Chocó Andino









s Ressources naturelles





# Thank you