



**SADC REGIONAL CONSULTATIVE WORKSHOP
ON
“DEVELOPMENT OF A SADC FIRE
MANAGEMENT AND CROSS-BORDER
COOPERATION PROGRAMME”**

25th - 27th January 2010

Maputo - Mozambique

WORKSHOP REPORT

Organized by:

SADC Secretariat – FANR Directorate

&

**GTZ -SADC Sustainable Forest Management
and Conservation Programme**

The logo for GTZ (GIZ) consists of the lowercase letters 'gtz' in a bold, red, sans-serif font.

Facilitated by: *STRATEGIES!*

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LIST OF ABBREVIATIONS AND ACRONYMS

CBA	:	Community Based Approach
CBFiM	:	Community Based Fire Management
FANR	:	Food, Agriculture and Natural Resources
FAO	:	Food and Agriculture Organization of the United Nations
TCF	:	SADC Technical Committee on Forestry
GFMC	:	Global Fire Monitoring Center
GTZ	:	German Technical Cooperation
MS	:	Member States
NGOs	:	Non Governmental Organizations
REDD	:	Reducing Emissions from Deforestation and Forest Degradation
SADC	:	Southern African Development Community
UNISDR	:	United Nations International Strategy for Disaster Reduction
WoF	:	Working on Fire

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INTRODUCTION

People in the Southern African Development Community (SADC) member states have been using fire for hundreds of years to prepare the land for agricultural purposes, hunting, pest control and various other reasons. However, the intricate balance between people, fire and the natural environment has been upset in most of these countries in recent decades due to population growth, conflicts and a breakdown in traditional management practices. Therefore, the higher frequencies of fires in the region cause increasing apprehension with regard to the negative impacts on the environment and human welfare.

Uncontrolled wild land fires destroy crops and houses, and often kill livestock and even people. Depending on the frequency, fires may lead to vegetation/forest degradation and related biodiversity loss; resulting in immediate and long-term impact especially on the livelihoods of local communities and upstream impacts on national and local economy.

The 2008 fire season has affected millions of hectares of land resulting in various damage levels and degrees with yet unknown effects. For example Botswana has been affected by fires on an area of approximately 10 million hectares including the world renowned Kalahari Game Reserve, destroying grazing grounds for wildlife. It furthermore has cost human lives in countries such as South Africa, Mozambique and Botswana. In addition, the on-going process of climate change has the potential to exacerbate this situation by altering the frequency, intensity, severity and seasonality of fires, further negatively impacting the livelihoods of people depending on natural resources.

However, fires are also needed to maintain healthy ecosystems and biodiversity of African savannahs. Fire in Southern Africa is a necessary tool for the attainment of land management

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objectives such as restoration and improvement of rangeland to stable and productive conditions for livestock production as well as wildlife and conservation management targets.

The Protocol on Forestry forms the policy framework for sustainable forest management in the SADC member states. One of its objectives is to achieve effective protection of the environment, and safeguard the interests of both the present and future generations. Since wild land fires are a major factor in the destruction of the environment and respect no boundaries, uniform policies and programmes are essential to strengthen relationships among SADC member states with regard to relevant sectors and stakeholders throughout the region. Therefore, there is need to develop a comprehensive and integrated fire management programme for the entire region.

In this perspective, a regional Consultative Workshop on the Development of a SADC Fire Management and Cross Border Cooperation Programme was organized from the 25th to the 27th of January 2010 by the SADC Secretariat with the support of GTZ. About 80 key stakeholders took part in this workshop, among which were:

- Representatives from Members States (Government, private sector and NGOs),
- Representatives from SADC Secretariat – FANR Directorate,
- Representatives from national and regional Community based organizations,
- Representatives from science community and research organizations, and
- Representatives from development partners.

The workshop was launched by the Deputy Minister of Environment of the Republic of Mozambique and was structured around three key sessions, namely:

- Fire management - Global Challenges and National Policies Implementation
- Networking and Cooperation between Member Countries, and
- Regional Coordination and Management

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This report presents a summary of key discussions and conclusions of this workshop that was facilitated by Evelyne Nkeng Peh and Marilyn Nguemo of *STRATEGIES!*

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WORKSHOP FLOW AND KEY RESULTS

INTRODUCTION TO THE WORKSHOP

The workshop started with the introduction of participants¹ which enabled country representatives to know each other better and familiarize themselves with the general framework of the workshop.

Following the introduction of participants, objectives of this consultative workshop, were presented as to:

Enable participants:

- **Draw best practices from present initiatives in relation to fire management at the national and regional levels,**
- **Define priority areas for an efficient regional fire management programme, as well as identify key stakeholders, and**
- **Define a roadmap for the development and implementation of an efficient regional fire management programme.**

This presentation gave the opportunity to participants to define success conditions for the workshop, and the overall programme, time schedule and working methods for the workshop², were validated subsequently.

¹ Annex 1 : List of participants

² Annex 2: Workshop programme

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SESSION I:

FIRE MANAGEMENT - GLOBAL CHALLENGES AND NATIONAL POLICIES IMPLEMENTATION

The objective of this session was to enable *participants to share information on the global context and challenges of fire management and analyze progress made in the policy implementation at national levels.*

To achieve this objective, the session was divided in two parts:

- Part I addressed the “global context and challenges of fire management”, and
- Part II focused on “Policy implementation at national level”.

I. The global context and challenges of fire management

Three presentations were made under this topic on the following themes:

- Regional Climate Change in Sub-Sahara Africa: Implications for fire regimes, land use and food security
- Connecting Fire Management to the international debate on Reducing Emissions from Deforestation and Degradation (REDD)
- The Impact of climate change on disaster risk in Mozambique with focus on uncontrolled fires

Through discussions that followed this series of presentations, participants concluded that:

- Fire is a tool and a resource for human kind for various purposes (land use, spiritual rituals etc.)
- There is a close relationship between climate and fire as climate drives fire and emissions caused by fire accelerate global warming
- Thus, the question is: *How do we balance the use of fire as a tool and fire as a hazard within the framework of climate change?*

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Given that our ecosystems are fire dependent, participants made the following recommendations:

- It starts with political will as government need to be engaged to provide sustainable response to fire management
- Develop an integrated approach to fire management that:
 - Explores ways to make the use of fire, a core component of national and regional fire management strategies
 - Combines indigenous knowledge and modern tools and techniques in fire management processes
 - Empowers communities through CBA to efficiently manage fires and contribute to the sustainable management of natural resources
 - Involve all stakeholders, especially the private sector, to the global discussion on fire management
- Have a regional approach and standard tools to provide quick response to fire management
- Set a system that can provide timely information sharing amongst scientists and fire management professionals for emergency response and monitoring of climate change on the ecosystem.

Regarding global initiatives such as the Reduction of Emissions from Deforestation and Forest Degradation (REDD), participants concluded that given most countries have limited resources to invest in such processes, therefore,

- International incentives should be provided to governments that will implement the REDD initiative; and criteria such as the existence of policies and programs that display significant results should be used to allocate incentives.
- Countries should be assisted with capacity development and equipment to implement global initiatives

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II. Policy development and implementation at national level and cross-border collaboration

This phase was introduced by case studies in **Botswana, Mozambique** and **Namibia**. Presentations from country representatives focused on:

- The level of development and/or implementation of their national fire management policies or strategies,
- The approaches used in developing these tools,
- Key issues addressed by their national policies,
- Successes and challenges to date of these policies at national level, and
- The current situation at regional level, with regard to cooperation among member states on fire management.

These presentations were followed by knowledge sharing on:

- **Community Based fire Management – Fire as a resource. The case of Zimbabwe and Namibia** , and
- **Policy development at national level: FAO Guidelines for Fire Management**

Both speakers emphasized the fact that:

- Controlled fires could be used as a tool for reforestation, and
- Frameworks for the development national policy/strategy that integrate community initiatives were available

To conclude the discussion, on policy development and implementation at national level, facilitators introduced a group exercise (by country) with the objective to

- Map out the existing fire management policies or strategies in SADC Countries,
- Analyze countries’ strengths and weaknesses in developing and implementing national policies, and

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- Identify challenges that may be faced in addressing cross-border fires.

SADC Country Assessment

<p>Strengths in developing and implementing national policies</p>	<ul style="list-style-type: none"> • There is government support to fire management initiatives • In a few countries, there is a legal and/or regulatory framework on fire management (in most cases it is derived from the forestry law/code) • Traditional structure and communities are involved in fire management initiatives • Some countries have established fire management plans • There is the implementation of: <ul style="list-style-type: none"> – programs and projects of fire management – awareness campaigns on fire management • Most countries have carried out training on fire management • Private sector interest to be part of fire management initiatives
<p>Weaknesses in developing and implementing national policies</p>	<ul style="list-style-type: none"> • Insufficient national strategy /policy on fire management (in the majority of cases) • No bye laws on fire management • Insufficient enforcement of legislation • Insufficient implementation of existing fire management programs/projects • Insufficient capacity building • Inadequate firefighting equipment • Inadequate information sharing on fire • Insufficient community awareness and commitment on fire management • Insufficient funding for fire management programs
<p>Country challenges in addressing cross-border fires</p>	<ul style="list-style-type: none"> • Insufficient information sharing amongst stakeholders across the region • Absence of a legal framework on fire management across the region • Absence of regional strategy, policy and programs on fire management • Existing immigration and boundaries issues amongst members states • Limited resources (financial, capacity...) at national level to address cross-border fire management • Insufficient political will at national level to champion regional fire management approaches

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SESSION II:

NETWORKING AND COOPERATION BETWEEN MEMBER STATES

During this session which had as an objective to *allow participants to analyze existing initiatives and tools at the regional and international levels with regard to fire management*, five presentations were made on the themes:

- **The regional network, SAFNET: Satellite-derived information for fire management and fire science support,**
- **Working-On-Fire: Fire management and poverty alleviation,**
- **The Global context: the UN International Strategy for Disaster Reduction and its Global Wild land Fire Network and Global Fire Monitoring,**
- **AfriFireNet: Regional agreements and initiatives in SADC region, and**
- **The Global Wild land Fire Early Warning System: African Developments.**

All through these presentations, participants noted that:

- Complementary tools exist to support fire detection and suppression in SADC,
- Fire management programmes can contribute efficiently to the fight against poverty through the provision of employment; therefore, there is need to explore windows in national budgets to introduce Fire Management projects and
- Existing networks contribute to fire management by:
 - Providing fire information and firefighting equipment and
 - Involving populations in fire management activities through Community based approach;

Therefore, networks need to be institutionalized, and should have formal links with government institutions dealing with fire.

Finally, improved cooperation between fire networks and the scientific community of SADC on fire management should be explored to assist countries provide timely and effective response to fire issues.

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SESSION III:

REGIONAL COORDINATION AND MANAGEMENT

The objective of this session was to enable participants to define priority areas for an efficient Regional Fire Management Programme. To achieve this, participants were divided into 5 groups based on the following topics, which constitute the five components of the regional fire management programme:

1. Design and harmonization of policies on fire management
2. Production and dissemination of fire information
3. Community based fire management
4. Capacity building on fire management at regional and national levels
5. Cooperation of all stakeholders at the regional and national levels

After the presentation of group results, discussions and suggestions from participants, the following elements were adopted.

- I. Programme elements, key activities and stakeholders for the Regional Fire Management Programme**

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A. Design and harmonization of policies on fire management

Program element: **Design and harmonization of policies (laws and regulations) on fire management**

Preamble / Assumptions

- There are conflict areas between member states’ current policies [or lack thereof]. These must be resolved via dialogue and ‘harmonizing’
- The SADC Protocol on Forestry is a starting point for in depth fire policy discussion and further future collaboration towards effective agreement between member states on issues affecting integrated fire management
- The process assumes that there is full consultation with appropriate representatives within member states and that consultation has taken place
- Some countries have policies, some have none, and some will need to be adapted.
- Highlighted areas – not sure if these points are covered by group 4.

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Actions to be carried out	Organizations responsible	Organizations involved	Timing	Existing initiatives/opportunities for synergy	Key partners	Source of funds
Conduct situation analysis for the region to identify existing fire management policies. (This can be a chapter within existing land management policies)	SADC Secretariat FANR Directorate	Member States	3 months	Existing SADC Protocol on Forestry/ SAFNET / AfriFireNet	Member States/ GFMC/FAO	SADC secretariat
Develop guidelines for designing and harmonizing fire management policies of member states	SADC Secretariat	Member States	3 months	FAO guidelines, Take stock of current initiatives in Member States	Member States	SADC Secretariat
Develop / review national fire policies utilizing the guidelines developed above.	Each member state, relevant government ministry	Government, stakeholders, IAP.	1 year	Member states in line with SADC Protocol on Forestry, Private sector forestry and agricultural organizations, existing approved national policies, [including local authority etc.]	National, provincial and local authorities and other stakeholders.	Member States
Adopt Fire Management as a standing item on SADC Technical Committee on Forestry	SADC Secretariat	Member states	Proposed at next TCF meeting	Implementation of the SADC Protocol on Forestry	Member States	No cost

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B. Production and dissemination of fire information

Program element: Production and dissemination of fire information

3 key levels of information required:

- (1) General information to the public for education and awareness,**
- (2) Information to make management decisions and**
- (3) Research /Science information**

Actions to be carried out	Organizations responsible	Organizations involved	Timing	Existing initiatives/ opportunities for synergy	Key partners	Source of funds
<i>Regional</i>						
Develop a central/regional co-coordinating body to generate and disseminate information	SADC Secretariat	Member State government departments, networks (SAFNET, AfriFireNet), media, etc...	Launch May 2011 at the Wild land fire conference	A proposal from this workshop outlining this need should be developed and taken to all interested Member States.	NGO’s, Universities, Media, private-public partners, Conservation agencies, etc...	National & International donor organizations
Develop a communication and dissemination strategy to strengthen information sharing at national and regional level	MS at national level SADC Secretariat at regional level	All networks	End of June 2010			

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Actions to be carried out	Organizations responsible	Organizations involved	Timing	Existing initiatives/ opportunities for synergy	Key partners	Source of funds
<i>National</i>						
Establish systems and bodies to collect and disseminate data at national level, and liaise with the regional centre	Member States	FAO regional office Networks dealing with fire management	End of December 2010	FAO global assessment report WoF, ...		
Provide baseline information – (land cover, fire statistics, fuel load maps, fire history for the region) from national initiatives	National Governmental departments	Universities, NGO’s, Private-public sector, media, various networks and regional and international partners, conservation agencies	Ongoing	SAFNET, Various projects within the respective countries, Near real time satellite derived products	Universities, NGO’s, Private-public sector, media, various networks and regional and international partners, conservation agencies	Private and public funds
Develop various research questions (ecological, economical, sociological etc)						
Generate guidelines for management						

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C. Community based fire management

Program element: **COMMUNITY BASED FIRE MANAGEMENT**

Overall Objective: - To provide communities in member states the opportunity to manage fire ‘independently’ within available capacity and resources.

Actions to be carried out	Organizations responsible	Organizations involved	Timing	Existing initiatives/opportunities for synergy	Key partners	Source of funds
Develop regional coordination offices	SADC Secretariat	Member State Governments	End 2010	Align with existing National and regional fire networks e.g. SAFNET	Fire Related Agencies / Organization	Member State Governments t
Identify Relevant Implementation Elements of Existing SADC Forestry Protocol & Agreements	SADC Secretariat	Member State Governments	End 2010	Existing Agreements	Member States	Member State Governments
Conduct a regional assessment of CBFiM: Existing approaches	SADC Secretariat					
Develop Regional CBFiM Guidelines & implementation framework	SADC Secretariat	National Governments Local NGOs	End 2010	Existing Regional CBFiM Programs, WoF, Fire Protection Association, Namibia CBFiM, Zimbabwe CBFiM, Mozambique CBFiM UN-FAO	International NGOs SAFNET & Affiliates FAO	SADC Donor Funding Member States

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Actions to be carried out	Organizations responsible	Organizations involved	Timing	Existing initiatives/opportunities for synergy	Key partners	Source of funds
Identify National Legislative Framework enabling CBFiM	Member States	Member State Govt & Stakeholders	End 2010	SADC Forestry Protocol Agreements	Partners within Member States	Member States
Provide institutional support to existing networks						
Capacity Building Develop SADC Region CBFiM ‘Package’ (Training Manual / Workshop / Training of Trainers)	Member States & SADC Secretariat	Member State Governments & Stakeholders	April 2011	Existing Regional CBFiM Programs, WoF, Fire Protection Ass, Namibia CBFiM, Zimbabwe CBFiM, Moz CBFiM UN-FAO	International NGOs SAFNET & Affiliates	SADC Donor Funding (FAO) Member States
Source Funding /Resource Mobilization	Member States & SADC Secretariat	SADC Secretariat & Member States	April 2011	Existing Regional CBFiM Programs WoF, Fire Protection Ass, Namibia CBFiM, Zimbabwe CBFiM, Moz CBFiM UN-FAO	SADC Secretariat	SADC Donor Funding (FAO) Member States

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D. Capacity building on fire management at regional and national levels

Program element: Capacity building on fire management at national and regional levels

Target groups at national level and regional levels: capacity required

- Parliamentarians/legislators
- Government Departments/ Parastatals
- Traditional leaders
- Communities
- Private Sector
- Research
- Institutes of Higher Learning (colleges and universities)
- NGO’s dealing with fire management

At the National level

Action to be carried out	Organizations responsible	Organizations involved	Timing	Existing initiatives for synergies	Key partners	Source of funds
Parliamentarians / legislators						
<ul style="list-style-type: none"> ▪ Sensitize them on: <ul style="list-style-type: none"> (a) the importance of fire management issues, country’s obligation under SADC Protocol on Forestry (b) Regional initiatives 	Ministries responsible for Forestry	Relevant Government Institutions, Parliamentarians, Institute Higher Learning,	January 2011	Newly developed Fire Policies, Legislations ,Programmes in some member countries, SADC RIP	SAFNET, FAO, Private Sector	Government, SAFNET, FAO, GTZ, Finland, Private Sector

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Action to be carried out	Organizations responsible	Organizations involved	Timing	Existing initiatives for synergies	Key partners	Source of funds
Governments Departments/Agencies/Parastatals						
<ul style="list-style-type: none"> ▪ Training /refresher courses/tours for Extension Officers, Technical staff, Security forces ▪ Firefighting equipment & tools ▪ Develop fire management plans for respective forest areas 	Government Departments, Agencies, Parastatals	Relevant Departments, Agencies, NGOs, Institutions of Higher Learning	Dec 2010	Fire Policies, Fire Management Programmes (in some member states)	Member States, Donor Agencies, Private Sector, NGOs, Institutions of Higher Learning, SAFNET, AfriFireNet	Member States, GTZ, FAO, Donor Agencies
Traditional leaders						
<ul style="list-style-type: none"> ▪ Training on importance of fire management ▪ Provide communication tools + technology, logistics ▪ Firefighting equipment ▪ Storage for equipments 	Government Agencies, NGOs To be coordinated by SADC	Government Institutions, Private Sector, Traditional Leaders, Training Institutions	March 2011	Fire Management Strategies (in some member states)	Member States, Donor Agencies	Member States, Donor Agencies
Communities						
<ul style="list-style-type: none"> ▪ Awareness raising on the importance of fire management ▪ Establish and train Fire Prevention Associations (FPAs) 	Government, NGOs, Training Institutions,	Government Institutions, Private Sector, Traditional Leaders, Training Institutions, Communities,	June 2011	Fire Management Programmes, Strategies, (in some Member States)	Member States, Donor Agencies, Private Sector,	Member States, GTZ, FAO,

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Action to be carried out	Organizations responsible	Organizations involved	Timing	Existing initiatives for synergies	Key partners	Source of funds
<ul style="list-style-type: none"> ▪ Acquire firefighting equipment, communication tools ▪ Legal framework to capacitate people dealing with fire ▪ Introduce fire management in school curricula 					NGOs	
Private Sector						
<ul style="list-style-type: none"> ▪ Training at national level ▪ Information & technology exchange with governments agencies 	Government Departments, Agencies, Parastatals, Private Sector,	Private Sector, NGOs, Institution of Higher Learning, Research Institutes	Dec 2011	Fire Management Plans, Programmes, Policies, Strategies (in some member states)	Member States, Donor Agencies, Private Sector, NGOs, Institutions of Higher Learning, SAFNET, AfriNet	Member States, GTZ, FAO, Donor Agencies
Research institutions						
<ul style="list-style-type: none"> ▪ Generate knowledge on fire management at national level ▪ Training on policies and fire legislation, 	Research Institutions, Institutes of Higher Learning,	Private Sector, NGOs, Institution of Higher Learning, Research Institutes Government	June 2011	Fire Management Plans, Programmes, Policies,	Member States, Donor Agencies,	Member States, GTZ, FAO, Donor Agencies

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Action to be carried out	Organizations responsible	Organizations involved	Timing	Existing initiatives for synergies	Key partners	Source of funds
<ul style="list-style-type: none"> ▪ Acquire equipments and other relevant resources. 	Private Sector, Government			Strategies (in some member states)	Private Sector, NGOs, Institutions of Higher Learning, SAFNET, AfrifireNet	
Institutions of higher learning						
<ul style="list-style-type: none"> ▪ Acquire equipments and tools ▪ Training on fire management at national levels ▪ Promote exchange programmes ▪ Develop standard training modules and manuals 	Institutes of Higher Learning, Research Institutions,	Institutes of Higher Learning, Research Institutions, Private Sector, Government, Parastatals, NGOs	June 2011	Fire Management Plans, Programmes, Policies, Strategies (in some member states)	Member States, Donor Agencies, Private Sector, NGOs, Institutions of Higher Learning, SAFNET, AfrifireNet	Member States, GTZ, FAO, Donor Agencies
NGOs						
<ul style="list-style-type: none"> ▪ Training on integrated fire management initiatives and approaches ▪ Exchange and sharing of 	NGOs, Government	Institutes of Higher Learning, Research Institutions	June 2011	Fire Policies, Fire Management Programmes,	Member States, Donor	

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Action to be carried out	Organizations responsible	Organizations involved	Timing	Existing initiatives for synergies	Key partners	Source of funds
technical information		Private Sector, Government, Parastatals, NGOs		Strategies, Fire Management Plans (in some member states)	Agencies, Private Sector, NGOs, Institutions of Higher Learning, SAFNET, AfriFireNet	Member States, GTZ, FAO, Donor Agencies

At the Regional level

Action to be carried out	Organizations responsible	Organizations involved	Timing	Existing initiatives / for synergy's	Key partners	Source of funds
Government Departments/ agencies / Parastatals						
Sensitize Ministers/Heads of Forestry Departments responsible for Forestry on integrated fire management policies and initiatives	SADC Secretariat, Member States	Ministers and Heads of Forestry Departments	January 2011	SADC Protocol on Forestry	SAFNET, FAO, GTZ, Finland, Private Sector	SAFNET, FAO, GTZ, Finland, Private Sector
▪ Develop training modules/manuals	SADC Secretariat,	Member States, SADC	June 2011	SADC Protocol on Forestry,	SADC Secretariat,	

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Action to be carried out	Organizations responsible	Organizations involved	Timing	Existing initiatives / for synergy's	Key partners	Source of funds
<ul style="list-style-type: none"> ▪ Continuous regional fire management training networks ▪ Develop guidelines for developing fire management plans 	Member States	Secretariat		Proposed SADC Cross-border Fire Management Programme	Member States	
Traditional leaders						
Organize a meeting for Traditional leaders to discuss indigenous knowledge of fire management	SADC Secretariat, Member States	Traditional Leaders	Dec 2010	SADC Protocol on Forestry,	SADC Secretariat, Member States	GTZ, FAO, Member States
Communities						
SADC should provide Technical expertise to member states	SADC Secretariat, Member States	Member States, SADC Secretariat	Dec 2011	Proposed SADC Fire Management and Cross Border Cooperation Programme	SADC Secretariat, Member States	Member States, GTZ, FAO,
Private sector						
<ul style="list-style-type: none"> ▪ Training of representatives of forest companies at regional level ▪ Information & 	SADC Secretariat, Member States	Member States, SADC Secretariat	Dec 2011	SADC Protocol on Forestry, Proposed SADC Cross-border Fire		Member States, GTZ, FAO, Donor Agencies

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Action to be carried out	Organizations responsible	Organizations involved	Timing	Existing initiatives / for synergy's	Key partners	Source of funds
technology exchange				Management Programme		
Research institutions						
<ul style="list-style-type: none"> ▪ Coordinate sharing of research results ▪ Develop standards for equipment to be used for firefighting/ researching ▪ Coordinate sharing of fire fighting resources ▪ Develop guidelines for research 	SADC Secretariat, Member States	Member States, SADC Secretariat	Dec 2011	SADC Protocol on Forestry, Proposed SADC Cross-border Fire Management Programme	Member States, Donor Agencies, Private Sector, NGOs, Institutions of Higher Learning, SAFNET, AfriNet	Member States, GTZ, Donor Agencies, FAO, Donor Agencies
Institutions of higher learning						
Establish a regional coordinating body, exchange programmes, develop standard training modules and manuals	SADC Secretariat, Member States	Member States, SADC Secretariat	Dec 2011	SADC Protocol on Forestry, Proposed SADC Cross-border Fire Management Programme	Member States, Donor Agencies, Private Sector, NGOs, Institutions of Higher Learning, SAFNET, AfriFireNet	Member States, GTZ, Donor Agencies, FAO, Donor Agencies
NGOs						

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Action to be carried out	Organizations responsible	Organizations involved	Timing	Existing initiatives / for synergy's	Key partners	Source of funds
<ul style="list-style-type: none"> ▪ Training representatives from NGOs on integrated fire management initiatives and approaches ▪ Coordinate exchange and sharing of technical information 	SADC Secretariat, Member States	Member States, SADC Secretariat	Dec 2011	SADC Protocol on Forestry, Proposed SADC Cross-border Fire Management Programme	Member States, Donor Agencies, Private Sector, NGOs, Institutions of Higher Learning, SAFNET, AfriFireNet	Member States, GTZ, FAO, Donor Agencies

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E. Cooperation of all stakeholders at the regional and national levels

Program element: **Cooperation of all stakeholders at the regional and national levels**

Actions to be carried out	Organizations responsible	Organizations involved	Timing	Existing initiatives/opportunities for synergy	Key partners	Source of funds
REGIONAL						
SADC Regional Fire Coordination Centre to be established ³ based on mandate through SADC Protocol on Forestry (The example of the Regional Center for Meteorology could be used)	SADC Secretariat, FANR	AfriFireNet CSIR WoF SADC Power Pool, SAFNET Global Early Warning GFMC	Operational by end of feb 2011	SAFNET, AfriFireNet, GMS Africa EU –AU Partnership, CSIR, National Disaster Management Centre, SADC Drought Monitoring Centre, WMO, WoF Dispatch and Coordination, MASA	FAO, GTZ UNDP, UNEP Member States Govts. departments Red Cross USAID US Forest Service UN-OCHA UN-ISDR GEF Universities UN-FCC	Member States Donors FAO GTZ

³ Article 22, dealing with Cooperation with other States, Member States and Organizations. Regional Guidelines.(fire management, Tor’s, objectives, targets,) based on international best practice models, ToR’s and key functions to be developed with focus on Integrated Fire Management: *fire awareness activities, fire prevention activities, fire use / prescribed burning, resource sharing and co-ordination, fire detection, early warning, fire suppression and, fire damage rehabilitation*. Justification: taking prediction of more frequent and more intense fires into account, as well as trans-boundary fire issues; facilitate efficient regional coordinated cooperation.

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Actions to be carried out	Organizations responsible	Organizations involved	Timing	Existing initiatives/opportunities for synergy	Key partners	Source of funds
NATIONAL						
Establish national coordination centre / focal point (ToR's to be defined. National Guidelines including participation, incentives and objectives) ⁴	Bushfire mandated Ministry	National Stakeholders like wildlife department , agriculture, land management, forestry department, (communities, NGOs)	By end of 2011, orientate on the Regional Coordination	WoF National Coordinating Centre, RSA, DFRR Botswana DAFF, RSA DoF, Namibia Zim Forestry commission , Zimbabwe Ministry of natural resources and tourism, Tanzania	See above, excluding SADC member states Plus NGO and CBO, relevant government departments	Own government, donors, Private sector!
Call to member states to enter into bilateral fire management agreements / assistance arrangements.	SADC Secretariat	Member states	Inclusion in workshop proceedings, thereafter - Email Memo Messages to member states 28/02/2010	Some have already existing agreement/ draft agreements	Member states – specific neighboring states. s	No cost
Member states to enter into agreements/ arrangements	Member states	Member states	1 year January 2011.	Some countries well advanced, some countries have initiated the process	Member states sharing borders.	Each Country to cover own costs.

⁴ Bottom line: Additional Cooperation and activities will result from the coordinating structures. Evolve and develop, as soon as you have a “centre” that takes on responsibility and action.

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II. Recommendations and success conditions for effective implementation of the programme on Fire Management

To ensure the development and implementation of an efficient regional programme on Fire management, recommendations and success conditions to key stakeholders were formulated

<p>Member States should:</p>	<ul style="list-style-type: none"> • Develop fire management action plans to support regional forestry Protocol requirements • Establish a coordinating body for fire management at national level • Identify a focal point for contact and follow up of fire management • Increase their budget allocation for fire management programs • Resolve border disputes urgently • Be encouraged to devise/ put more emphasis on fire management as opposed to emphasizing on fire suppression
<p>SADC Secretariat should:</p>	<ul style="list-style-type: none"> • Establish a regional fire coordination center on fire management by appointing an implementing agency to facilitate/drive the process. The coordination center shall work towards, among other things: <ul style="list-style-type: none"> ○ Improvements on local and regional communication for information sharing and early warning ○ The establishment of a mechanism for cooperation and collaboration between government, national/regional based networks, CBOs, private sector, etc. ○ The education of politicians on fire management • Encourage member states to sign bilateral agreements • Cooperate with networks within the region for fire management • Propose means to provide incentives to encourage member states participation and commitment to the program, and • Advocate for high level political commitment
<p><u>Recommendations on programme components</u></p> <ul style="list-style-type: none"> • A Prioritization of proposed program activities should be made • Capacity building should emphasize more on learning by doing (practicals) • Guidelines for fire management programs should be developed • More attention should be paid to indigenous knowledge in fire management program 	

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III. SADC Action Plan

After the development of recommendations, participants defined a road map for the development and adoption of the SADC fire management programme

Activity	Deadline	Organization
Sending the draft report to SADC	5/02	<i>STRATEGIES!</i>
Report sent to participants	8/02	SADC
Reception of feedback	12/02	SADC
Final report	19/02	<i>STRATEGIES!</i>
Development of a draft “SADC Fire Management and Cross Border Cooperation Program”	28/02	SADC (Consultant)
Draft Program sent to Technical Committee for feedback	5/03	SADC
Technical Committee sends feedback on the Program	19/03	Chairperson of the Committee
Finalization of the program	2/04	Consultant
Presentation of the Program to the technical committee meeting	12 – 13/04	Technical Committee on Forestry (SADC Directors of Forestry)
Approval by Ministers during the sector meeting on natural resources	31/05	Technical Committee
Mobilization of resources for the implementation of the Fire Management Program	On-going	SADC

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After this step, participants could concluded the workshop.

CONCLUSION

During this session, participants evaluated the workshop by filling an evaluation form. The evaluation focused on:

- Logistics
- Achievement of workshop objectives
- Workshop content
- Facilitation

Participants could also make general comments and suggestions to make the most of the results of the workshop. The results of this evaluation are available in the annex⁵.

After the evaluation, the workshop was closed by the representative of SADC Chair, Mr. Joseph HAILWA, from the Republic of Namibia.

⁵ Annex 3 : Final evaluation of the workshop

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ANNEXES

1. List of participants
2. Workshop programme
3. Final evaluation

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WORKSHOP PROGRAMME

DAY 1, Monday 25th January 2010	
8:00 – 9:00	Registration of participants to the workshop
9:00 – 9:30	WELCOMING REMARKS AND OFFICIAL OPENING

INTRODUCTION TO THE WORKSHOP	
<i>Participants agree on the objectives of the workshop and define workshop rules</i>	
9:30 – 10:30	<ul style="list-style-type: none"> ■ Introduction of participants ■ Objectives of the workshop <p><i>Participants</i></p> <ul style="list-style-type: none"> ○ Draw best practices from present initiatives in relation to fire management at the national and regional levels ○ Define priority areas for an efficient regional fire management programme, as well as identify key stakeholders ○ Define a roadmap for the development and implementation of an efficient regional fire management programme <ul style="list-style-type: none"> ■ Programme ■ Workshop rules
10:30 – 11:00	COFFEE BREAK AND TEA BREAK
SESSION I:	
Fire management - Global Challenges and National Policies Implementation	
<i>Participants share information on the global context and challenges of fire management and analyze progress made in the policy implementation at national levels</i>	
11:00 – 11:40	<p>Regional Climate Change in Sub-Sahara Africa: Implications for fire regimes, land use and food security</p> <ul style="list-style-type: none"> ■ Presentation by <i>Pauline Dube (University of Botswana)</i> ■ Discussion
11:40 – 12:20	<p>Connecting Fire Management to the international debate on Reducing Emissions from Deforestation and Degradation (REDD)</p> <ul style="list-style-type: none"> ■ Presentation by <i>Anja Hoffmann (Germany)</i> ■ Discussion
12:20 – 13:00	Impact of climate change on disaster risk in Mozambique with focus on

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	<p>uncontrolled fires</p> <ul style="list-style-type: none"> ■ Presentation by <i>Rui Brito (INGC)</i> ■ Discussion
13:00 – 14:00	LUNCH
	<p>Policy development and implementation at national level and cross-border collaboration</p> <ul style="list-style-type: none"> ■ Case studies <ul style="list-style-type: none"> • <u>Botswana</u> by <i>Mrs M Manthe-Tsuaneng, Director Forestry, Department of Forestry & Range Resources</i> • <u>Mozambique</u> • <u>Namibia</u> by <i>Joseph Shaamu HAILWA, Directorate of Forestry, Ministry of Agriculture</i> ■ Discussions
14:00 - 14:20	
14:20 – 14:40	
14:40 – 15:00	
15:00 – 15:30	
15:30 – 16:00	<p>Community Based fire Management – Fire as a resource. The case of Zimbabwe and Namibia</p> <ul style="list-style-type: none"> ■ Presentation by <i>Robin Beatty</i> ■ Discussion
16:00 – 16:30	COFFEE AND TEA BREAK
16:30 – 17:00	<p>Policy development at national level: FAO Guidelines for Fire Management</p> <ul style="list-style-type: none"> ■ Presentation by <i>Pieter van Lierop (FAO)</i> ■ Discussion
17:00 – 18:00	<p>Fire management policies at national level: Strengths and challenges</p> <p>Group discussions</p>
18:00-18:15	End of day 1
	<p>Side Event on “the 5th International Wildland Fire Conference (WildFire 2011) in South Africa: Objectives, Challenges and Opportunities for Africa”</p>

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DAY 2, Tuesday, 26 th January 2010	
8:00 – 8:30	■ Introduction of the day
SESSION II Networking and Cooperation between Member Countries	
<i>Participants analyze existing initiatives and tools at the regional and international levels with regard to fire management</i>	
08:30 – 09:00	The regional network, SAFNET: Satellite-derived information for fire management and fire science support ■ Presentation by <i>Phillip Frost (CSIR)</i> ■ Discussion
09:00 – 09:30	Working-On-Fire: Fire management and poverty alleviation ■ Presentation by <i>Johan Heine</i> ■ Discussion
09:30 – 10:00	The Global context: the UN International Strategy for Disaster Reduction and its Global Wildland Fire Network and Global Fire Monitoring ■ Presentation by <i>Johann Georg Goldammer (GFMC)</i> ■ Discussion
10:00 – 10:30 COFFEE AND TEA BREAK	
10:30 – 11:00	AfriFireNet: Regional agreements and initiatives in SADC region ■ Presentation by <i>Alexander Held (AfriFireNet)</i> ■ Discussion
11:00 – 11:30	The Global Wildland Fire Early Warning System: African Developments ■ Presentation by <i>Bill deGroot (Canada)</i> ■ Discussion
SESSION III Regional Coordination and Management	
<i>Participants define priority areas for an efficient Regional Fire Management Programme</i>	
11:30 – 12:30	Introduction to Group work
12:30 - 13:30 LUNCH	
13:30 – 15:00	Development of a regional fire management programme <u>Group Work on</u>

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	<ul style="list-style-type: none"> ■ Policy development and harmonization ■ Generating and exchanging information ■ Community based fire management ■ Capacity building at regional and national levels ■ Cooperation of all stakeholders at the regional and national levels
15:00 --15:30	COFFEE AND TEA BREAK
15:30 – 17:00	Development of a regional fire management programme <ul style="list-style-type: none"> ■ Group work (continues)
17:00 --17:30	End of day 2
19:30	Reception in honour of the participants

DAY 3, Wednesday, 27th January 2010	
8:30 – 9:00	<ul style="list-style-type: none"> ■ Introduction of the day
SESSION III Regional Coordination and Management	
<i>Participants define priority areas for an efficient Regional Fire Management Programme</i>	
9:00 - 10:00	Development of a regional fire management programme <ul style="list-style-type: none"> ■ Group work (continues)
10:00 – 10:30	COFFEE BREAK AND TEA BREAK
10:30 – 12:30	Development of a regional fire management programme <ul style="list-style-type: none"> ■ Presentation of group work results
12:30 - 14:00	LUNCH
14:00 -16:00	Next steps: developing a SADC action plan and identification of success conditions for the effective development and implementation of the regional programme
16:00 – 16:30	Evaluation of the workshop
16:30 – 17:00	COFFEE AND TEA BREAK
17:00 – 17:30	CLOSURE BY SADC CHAIR

SADC Regional Consultative Workshop on “Development of a SADC Fire Management and Cross-Border Cooperation Programme” Report

FINAL EVALUATION

I. Quantitative evaluation

Evaluation legend:

(++) Very good (+) Good (+/-) Average (-) Poor (-/-) Very poor

				++	+	+/-	-	-/-
1	What is your evaluation of the logistic?	1	Preliminary information on the workshop (Date, duration, place, people concerned, objective...)	34%	42%	19%	3%	2%
		2	Workshop materials (elements in workshop (folder and materials used during sessions...))	23%	47%	28%	12%	0%
		3	Hotel Facilities (rooms, conference rooms lunches, coffee breaks...)	28%	49%	19%	4%	0%
		4	Duration of the workshop	22%	42%	31%	5%	0%
		5	Location of the workshop (Maputo)	47%	42%	9%	2%	0%
		6	Flexibility in the organization, ability to adapt to participants’ needs	16%	35%	34%	12%	3%

What is your evaluation of the framework of the workshop?

<i>Duration of the workshop</i>			<i>Pace of the Workshop</i>			<i>Level of information of the workshop</i>		
<i>Too long</i>	<i>Just Right</i>	<i>Too short</i>	<i>Too Slow</i>	<i>Too Fast</i>	<i>About Right</i>	<i>Too Basic</i>	<i>About Right</i>	<i>Too Advanced</i>
7%	78%	15%	26%	25%	49%	7%	88%	5%

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				++	+	+/-	-	-/-
2	Did we attain the objectives of the workshop?	1	Draw best practices from present initiatives in relation to fire management at the national and regional levels	26%	44%	19%	9%	2%
		2	Define priority areas for an efficient regional fire management program, as well as identify key stakeholders	31%	50%	15%	2%	2%
		3	Define a road map for the development and implementation of an efficient fire management program	23%	52%	20%	3%	2%
3	What is your opinion with regard to the content of the workshop?	1	Sharing information on the global context and challenges of fire management and analyze progress made in the policy implementation at national levels	28%	55%	15%	2%	0%
		2	Analyzing existing initiatives and tools at the regional and international levels with regards to fire management	24%	47%	25%	4%	0%
		3	Defining priority areas for an efficient regional fire management program	26%	48%	20%	6%	0%
4	What is your evaluation of the facilitation of the workshop?	1	The facilitation of plenary sessions and overall flow of the workshop by <i>STRATEGIES!</i>	23%	37%	28%	9%	3%
		2	The presentations made by speakers	30%	60%	10%	0%	0%

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II. Qualitative evaluation – overall comments for the improvement of future workshops

Content of the workshop	<ul style="list-style-type: none"> • Presentations were quite varied • Presentations were too broad and not at all relevant for workshop • Lack of holistic view, that is put fire management within the natural resource management perspective (food security and rural development, agriculture and forestry business, biodiversity...)
Logistics	<ul style="list-style-type: none"> • To avoid delay, venue should be arranged a day before the event • The translation facilities was not in good condition • Very poor communication network regarding translation and sound system • GTZ should also improve in providing logistics; we are professional and not kids to be cheated • Venue was very hot
Duration of the workshop	<ul style="list-style-type: none"> • The workshop should be extended on one week basis so that participants should have sufficient time to share ideas, expertise and the speakers will have sufficient time to provide details of their presentations
Comments related the facilitation of the workshop	<p><u>What worked well</u></p> <ul style="list-style-type: none"> • Facilitators were really excellent , they know their work and were very fast in capturing questions, responding • Well done, major problem of shortening presentations without prior notice. Nobody received the 15 mins notification of time slots; allowing contributions from non presenters to take time away from allotted speakers • The facilitators did a good job in a difficult environment • The facilitation was good and the participation active and productive • The facilitation of the workshop was okay though we hope in future it could improve • The facilitators succeeded to manage a difficult audience <p><u>What did not work well</u></p> <ul style="list-style-type: none"> • Timing was poor leading the cut down in presentations • There was poor information flow regarding changes in agenda • The level of facilitation was poor for Representatives of SADC Countries • Unnecessary time was taken to arrive at workshop conclusions • Time was wasted on nonsense like clapping hands, but then good presentations were cut short • Facilitators were very rigid and inflexible in workshop plan

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	<ul style="list-style-type: none"> • There was no gender balance of the core facilitators <p><u>Suggestions</u></p> <ul style="list-style-type: none"> • Better time management next time • Facilitation service should be from the Region –SADC • Better communication of times events, work tasks from facilitators to participants • To avoid time wastage, the role of facilitators should be separated from that of session’s chair persons
Achievement of the workshop objectives	<ul style="list-style-type: none"> • Overall objectives were met
Suggestions for way forward	<ul style="list-style-type: none"> • Fire management program to be implemented in every member country • Workshop results to be shared with all stakeholders and be made available to the consultant to use in developing the Fire management program • Sharing of information amongst member countries should be initiated and intensified • Road map of the workshop should be followed • Come up with the regional guideline fast before the optional one on the fire management • There is the need to focus on those recommendations and actions that can realistically be undertaken utilizing existing resources and political will. Start small and build up from there • Prioritize the practice of controlled fire to the local communities • On discussed factors on fire management must be seen implemented on the ground