



International  
**Model Forest**  
Network

30 YEARS FOR  
LANDSCAPES,  
PARTNERSHIPS AND  
SUSTAINABILITY

# Lessons From the “Fireline”

Governance, Fire Management & International Cooperation

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Canada 

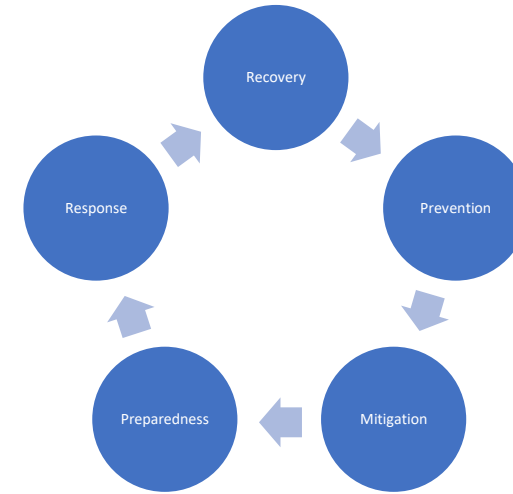




## Extreme Wildfire brings Extensive Reviews (and Consultants)



- Improved Operational Response



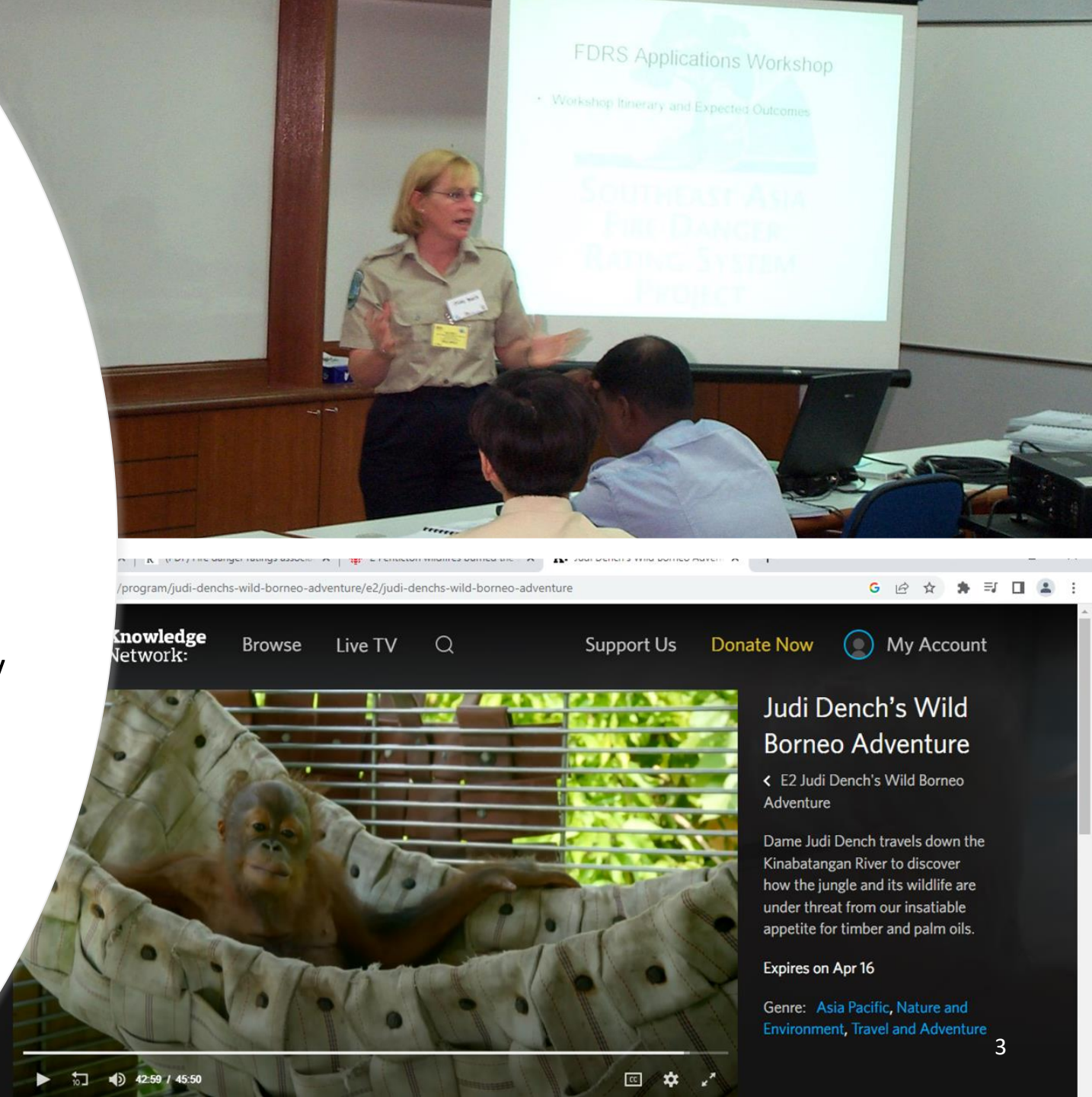
- Argentina
  - 25 firefighters died in a rangeland fire in the coastal area of northeastern Patagonia 1994
  - 1995/1996 National Plan
- Indonesia & Malaysia
  - Fire, Smoke & Haze 1997/98
- Canada
  - Penticton 1994, Salmon Arm 1998, Kelowna Fires 2003, BC . . . BC Floods and Fires 2018

- Strategy & Policy Improvements
  - Legislation, Liability/Cost Recovery, Fire Danger Rating, Interagency Assistance, Training, Land Management Practices, Fuel Management, Prescribed Fire, Community Planning, Communication Enhancements, Community Engagement, Development & Building Standards



# Some Learnings from Successes and Failures

- Pairings for Positive & Productive Training & Technology Transfer
  - Science, Operations, Weather Forecasting, Prevention, Operations, Aviation, Technology & Equipment, Training
- Best Fit for Organizational Ownership of Wildfire Management
  - There is no Fire Management without Land Management
  - The problem is social hence DSS & technology aren't enough
  - Accountability is critical
- Continuous, Ongoing Support is Key Maintained through:
  - trusted personal relationships
  - established organizations



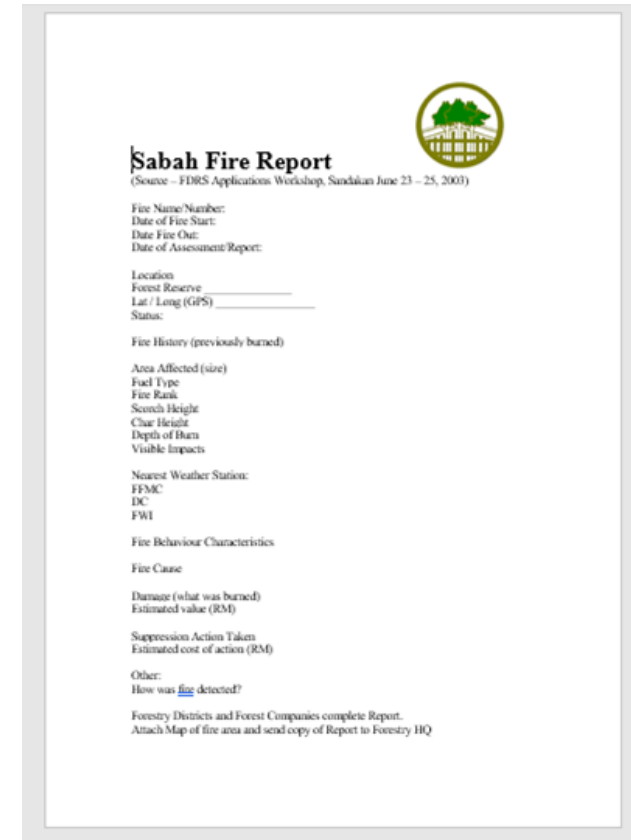
# Governance for Success

## People Centric

- Leadership
- Individuals
- Culture

## Organization Centric

- Structure
- Strategy/Policy
- Processes
- Infrastructure/Technology



**Sabah Fire Report**  
(Source – FRRS Applications Workshop, Sandakan June 23 – 25, 2003)

Fire Name/Number: \_\_\_\_\_  
Date of Fire Start: \_\_\_\_\_  
Date Fire Out: \_\_\_\_\_  
Date of Assessment Report: \_\_\_\_\_

Location  
Forest Reserve \_\_\_\_\_  
Lat / Long (GPS) \_\_\_\_\_  
Status: \_\_\_\_\_

Fire History (previously burned)

Area Affected (size) \_\_\_\_\_  
Fuel Type \_\_\_\_\_  
Fire Rank \_\_\_\_\_  
Scorch Height \_\_\_\_\_  
Char Height \_\_\_\_\_  
Depth of Burn \_\_\_\_\_  
Visible Impacts \_\_\_\_\_

Nearest Weather Station: \_\_\_\_\_  
FFMC: \_\_\_\_\_  
DC: \_\_\_\_\_  
FWI: \_\_\_\_\_

Fire Behaviour Characteristics

Fire Cause

Damage (what was burned)  
Estimated value (RM) \_\_\_\_\_

Suppression Action Taken  
Estimated cost of action (RM) \_\_\_\_\_

Other:  
How was fire detected? \_\_\_\_\_

Forestry Districts and Forest Companies complete Report.  
Attach Map of fire area and send copy of Report to Forestry HQ





# Canada also needs to adapt . . .

- Political environment for Policy Change
- Lost . . . Bucket Brigades & Local Fire Wardens
- Indigenous Knowledge & self governance
- Building Back Better . . . or not
- Planning & Engineering for resilience
  - Municipal development
  - City water supply
  - Community Safe Sites to Shelters Within
- Balanced Prevention & Mitigation vs Response efforts

# We are the International Model Forest Network

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