

# Learning as a shared responsibility: insights about escaped Rx reviews

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A Joint Fire Science Program Project  
(JFSP # 10-1-05-1)

3<sup>rd</sup> Human Dimensions in Wildland Fire  
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# Breaks One Unit Four Prescribed Fire Escape Facilitated Learning Analysis



## Jungle Prescribed Fire Review An Experiment in Learning

## Lessons Learned Review for the East Encerrito Prescribed Fire



## Louden Ranch Prescribed Fire Review

### NEW HOLLAND UNIT MAP



## New Holland Prescribed Fire Escaped Prescribed Fire Review

## Alley Springs Glade Prescribed Fire Regional After Action Review





Portland, OR

Salt Lake City, UT

Denver, CO

Tucson, AZ

Tallahassee, FL

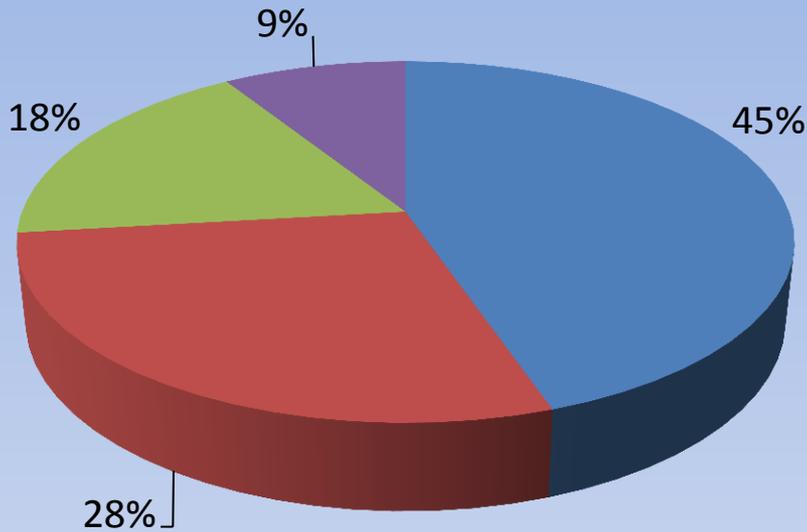
# How do we define learning?

	Event	Review Process	Review Product	Transfer Activities
Individual				
Burn Team				
Review Team				
Peers/Units				
Organization				

*INSIGHT – 'aha'*  
*ACTION – new behavior*

# Participants

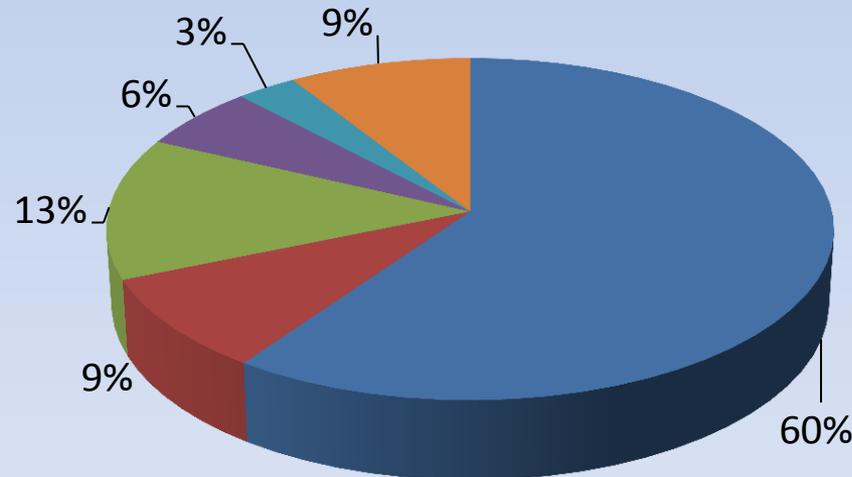
## Organizational level



- District (30)
- Forest/Refuge/Park (19)
- Region/State (12)
- National (6)

67 Total

## Agency



- NFS (40)
- NPS (6)
- FWS (9)
- BLM (4)
- BIA/Tribe (2)
- Other (6)

**Other: TNC (2), FUTA (1), PFTC (1), LLC (1), AD (1)**

# Positions Represented

## **District**

District/Zone AFMO (5)  
District/Zone FMO (8)  
District Fuels Specialist (4)  
Zone Fuels specialist (2)  
Zone Fire Staff Officer (1)  
Engine Captain (2)  
    Seasonal (1)  
    Smokejumper (1)  
    WF Module (2)  
Hotshot , Asst Sup (1)  
    AD (1)  
District Ranger (2)

## **Forest/Park/Refuge**

Multi-refuge FMO (4)  
Forest /Tribe FMO (6)  
Forest Fuels Specialist (5)  
Forest Fuels Planner (1)  
Forest Fire Staff Officer (1)  
    Burn Boss (1)

## **Region/State**

Regional/Deputy Regional FMO (3)  
State/Regional Fuels (6)  
Regional Fire Ecologist (1)  
    Regional Safety (1)  
Regional Asst Dir F&AM (1)

**National:** TNC (1), FUTA (1), PFTC (1), **LLC** (1)

# Experience

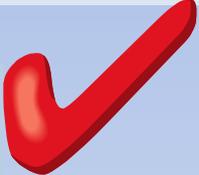
**88% had some experience with Rx Reviews**



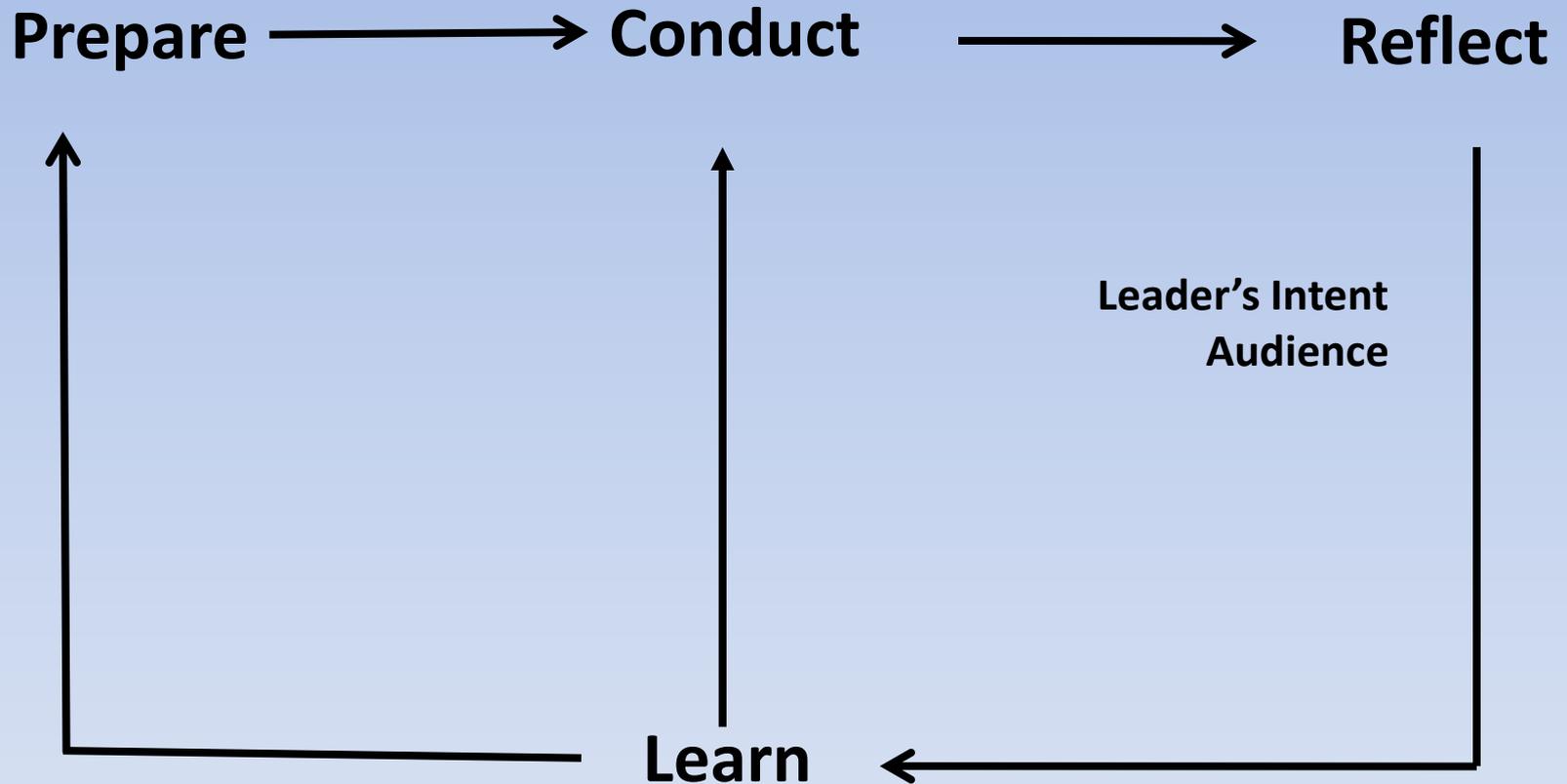
# Three Lenses

- Our initial framing
- Inductive - What the data reveals
- Deductive – Looking through other frames
  - Definitions of Organizational Learning
  - Rhetoric - Communications
  - Learning from experience --Counter-factuals

# Where is learning occurring?

	Event	Review Process	Review Product	Transfer Activities
Individual				
Burn Team				
Review Team				
Peers/Units				
Organization				

# Action and Learning



## Audience: Who desires what?

### Ground levels:

**Personal improvement** :“I was looking at the review team as kind of the experts ...to come in and tell me, well, these are the tricks of the trade or whatever .. (*USFS, District Fuels Specialist*)

**Info to train/coach**: “I’m looking for ...something that I can maybe turn into a sand table exercise. ...from the actual players ... some kind of a bullet list that you can go through and sort of latch onto it.” (*NPS, Fuels Management Specialist*)

“**the story** is in the experience as well as all the decision-making leading up to lighting the match and following through with it...I want to hear the stories. “ (*Tribal FMO*)

## Audience: Who desires what?

### Regional levels:

**Due Diligence:** “Number one through seven in the policy guide, {laughter} seriously. That’s what I need when I’m on the receiving end of one of those until such time as that policy changes at the minimum.” (*USFS Regional F&AM*)

**Trends:** “Are there themes coming out that make our program very vulnerable in future planning and implementation and application?” (*USFS, Regional Fuels*)

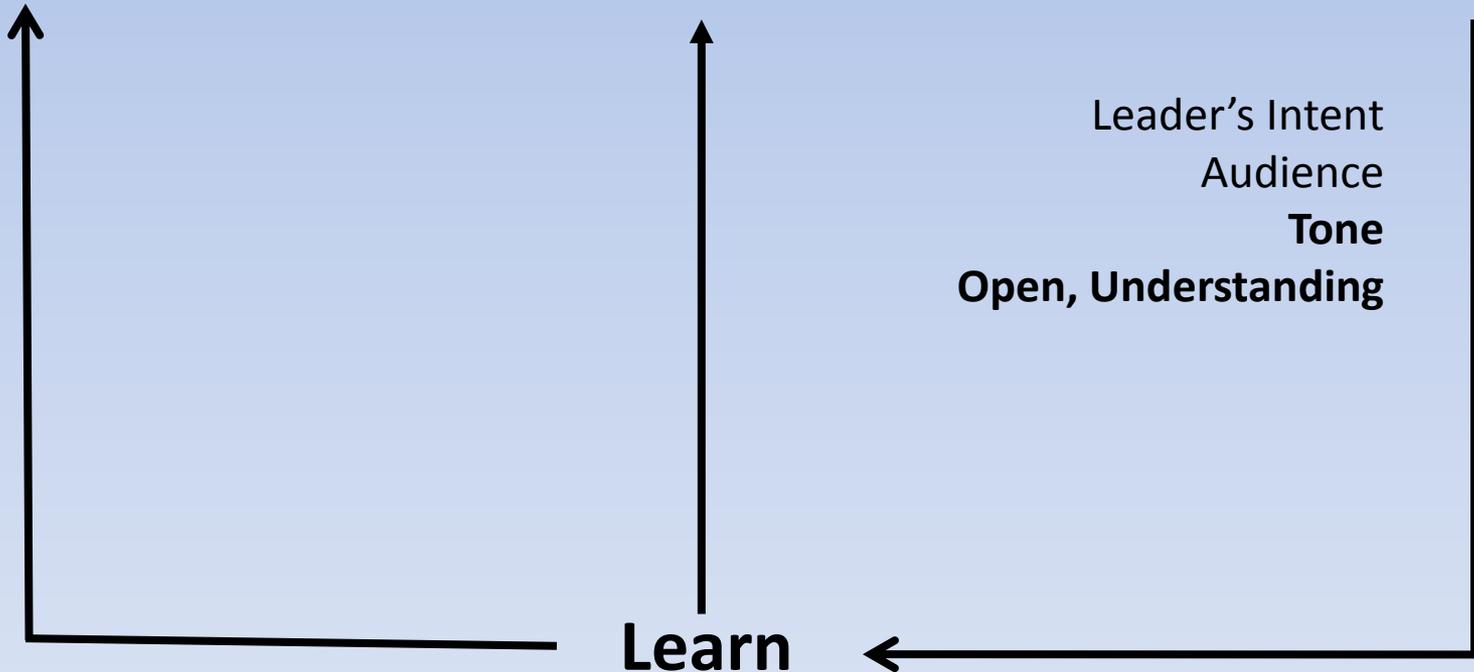
### National levels:

**Corrective Action (policy) :** “What we’re looking for at our level is findings, recommendations that need to be addressed by policy change or something like that. “(*National Fire Ops, BLM*)

# Action and Learning

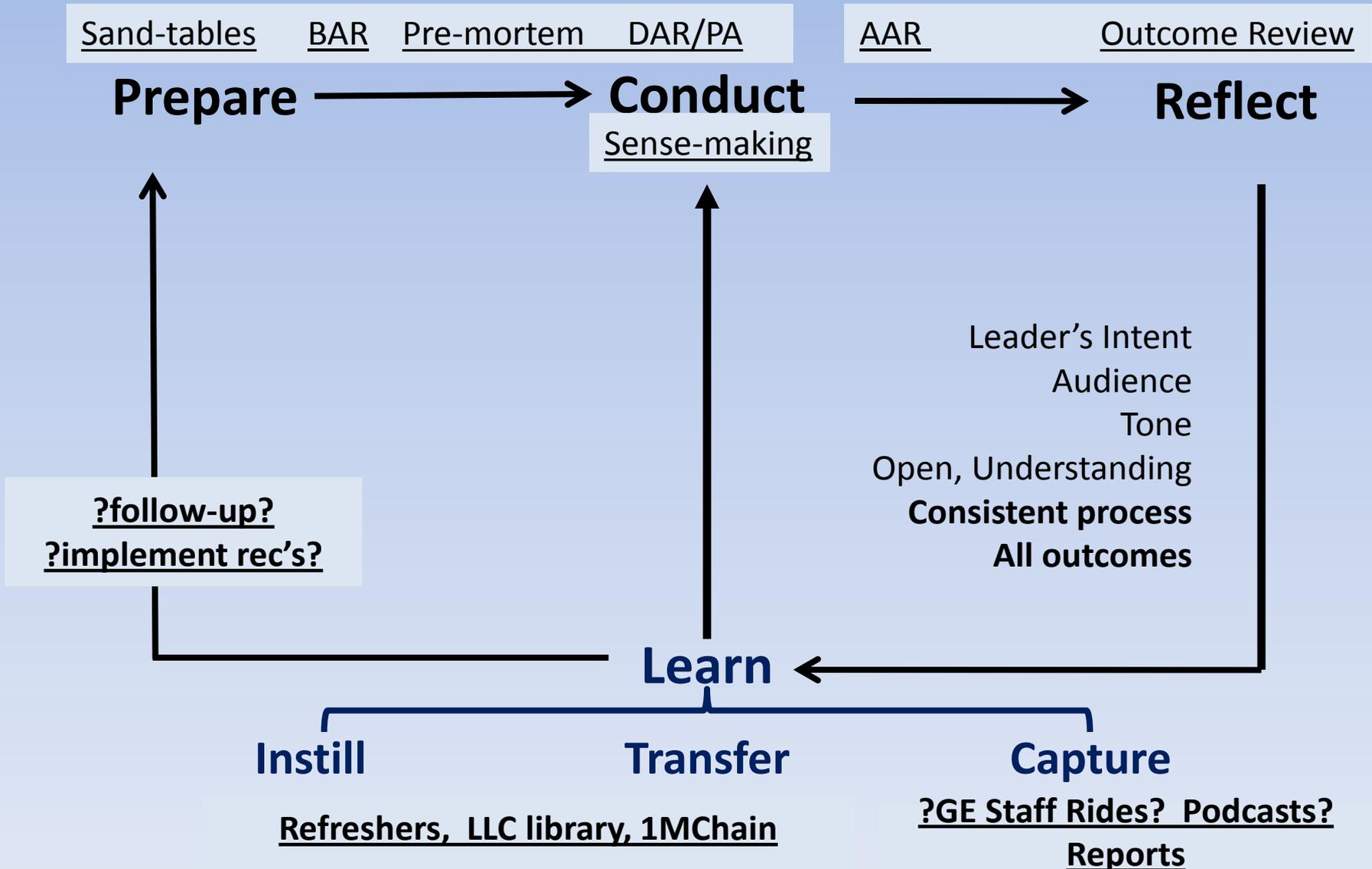
Confidence – Self/Other

**Prepare** → **Conduct** → **Reflect**

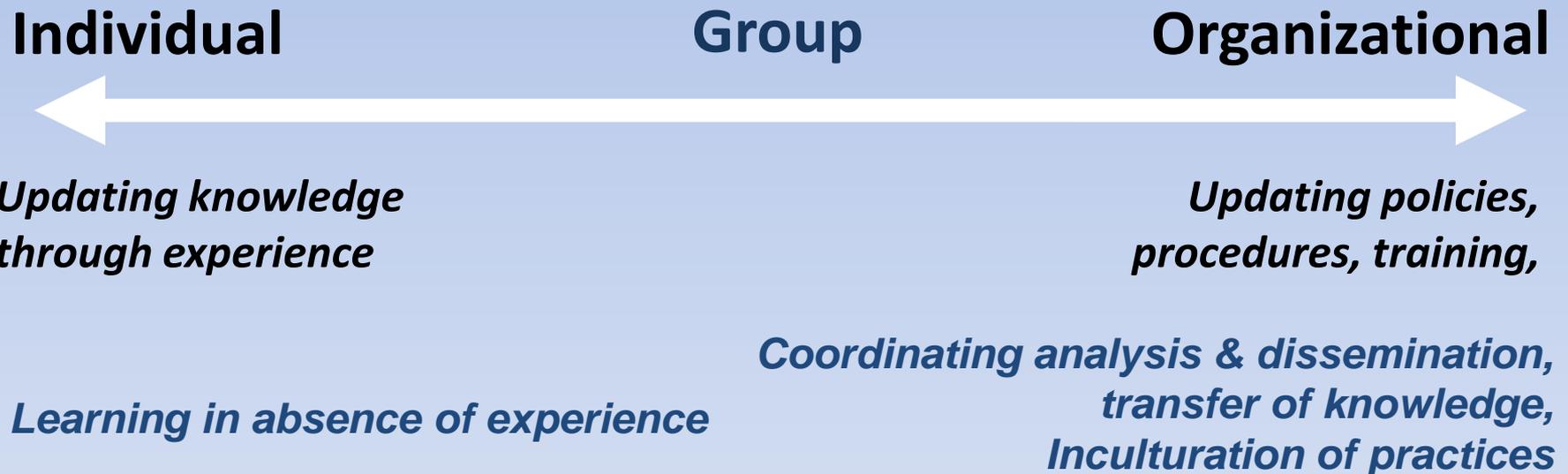


Compassion - Self/Other

# Action and Learning



# Other Lenses – definitions and types of learning



学习

“In Chinese, ‘learning’ is expressed by two symbols: the first stands for ‘take in’, the second stands for ‘practice constantly’.”

(Kofman and Senge 2001:5)

Thank you!  
Discussion

