

Adaptive Management Program Committee

August 28, 2023



Attendance: Roll Call

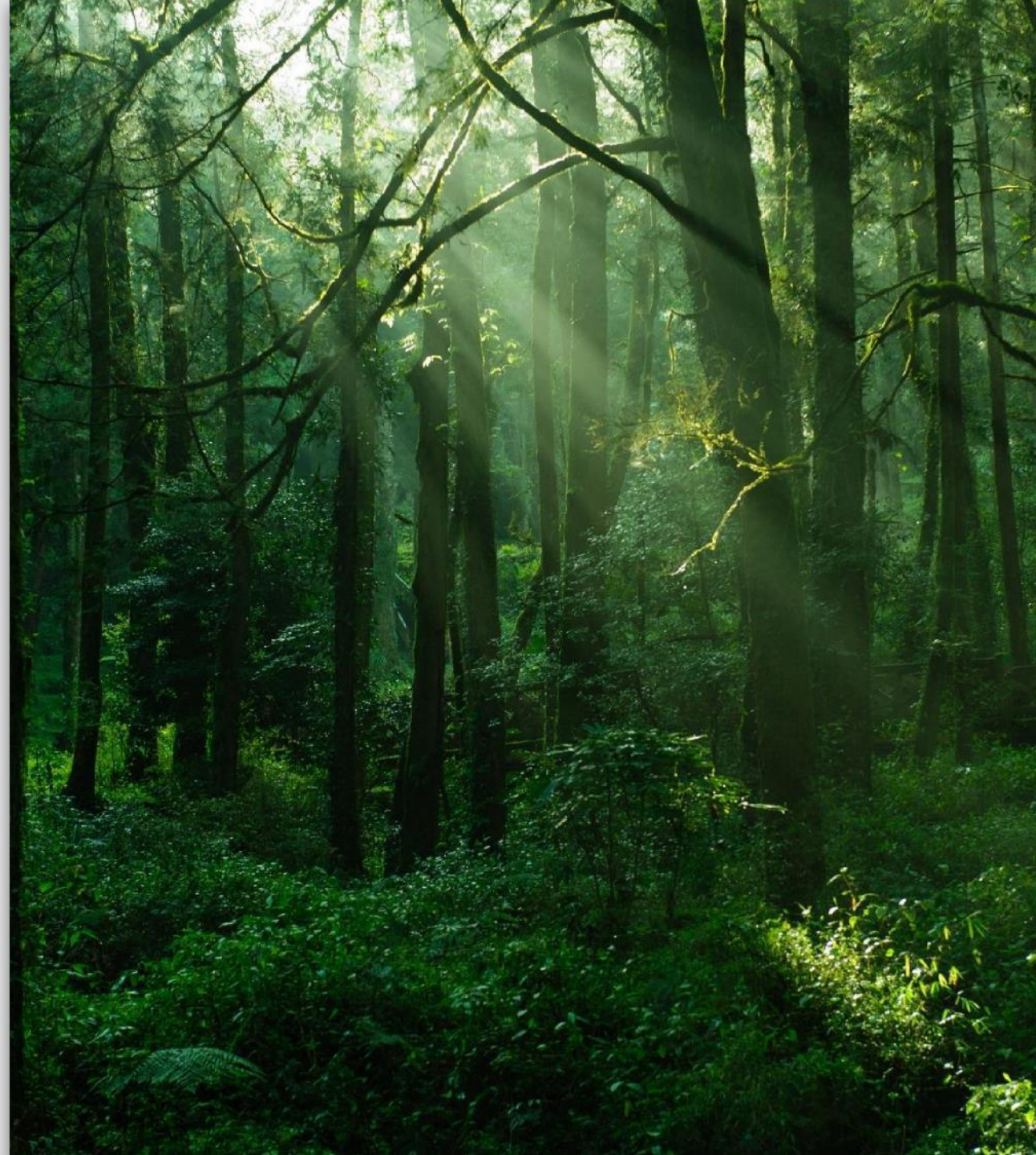
Please answer “Present virtually”





Agenda

- I. Roll call, previous meeting
Exec Summary, updates,
public comment
(NOTE: agenda change – no
working lunch)**
- II. Chair Kelly**
- III. Roads topic**
 - I. Context**
 - II. Question development**
 - III. Finalizing question**



Housekeeping

- **Meetings are public & recorded (instead of minutes), available online**
- **Please turn your camera on – it helps make it more like in person**
- **Raise virtual hand if you want to speak, state your name when you talk for the recording**
- **AMPC is about conversation, prefer you don't use chat**
- Side-conversations make it hard to hear on recording & virtually;
- **Please mute when not speaking**
- Restrooms, exits
- Building doors lock





Public Comment

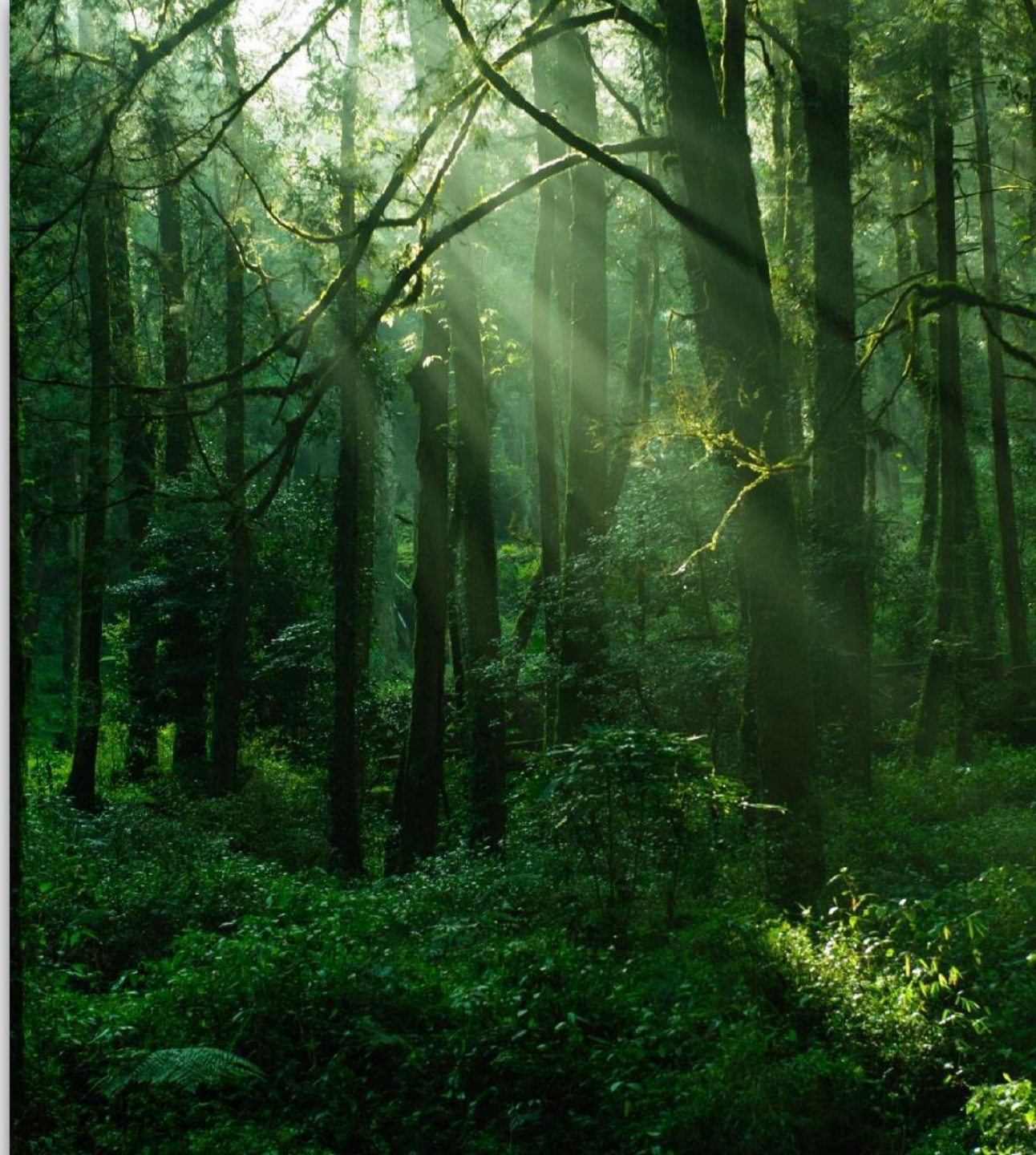


Executive Summary of previous meeting - Accept?



Updates

- **AMPC update: next week Board mtg., Preliminary budget (big picture)**
- **Participation grants – timing, process, Board approval**
- **Reminder to do Board/Commission training series (online)**
- **Email addresses for AMPC work re: public records – best to have dedicated email address**
- **Agreement with INR in progress; IRST notified of situation**

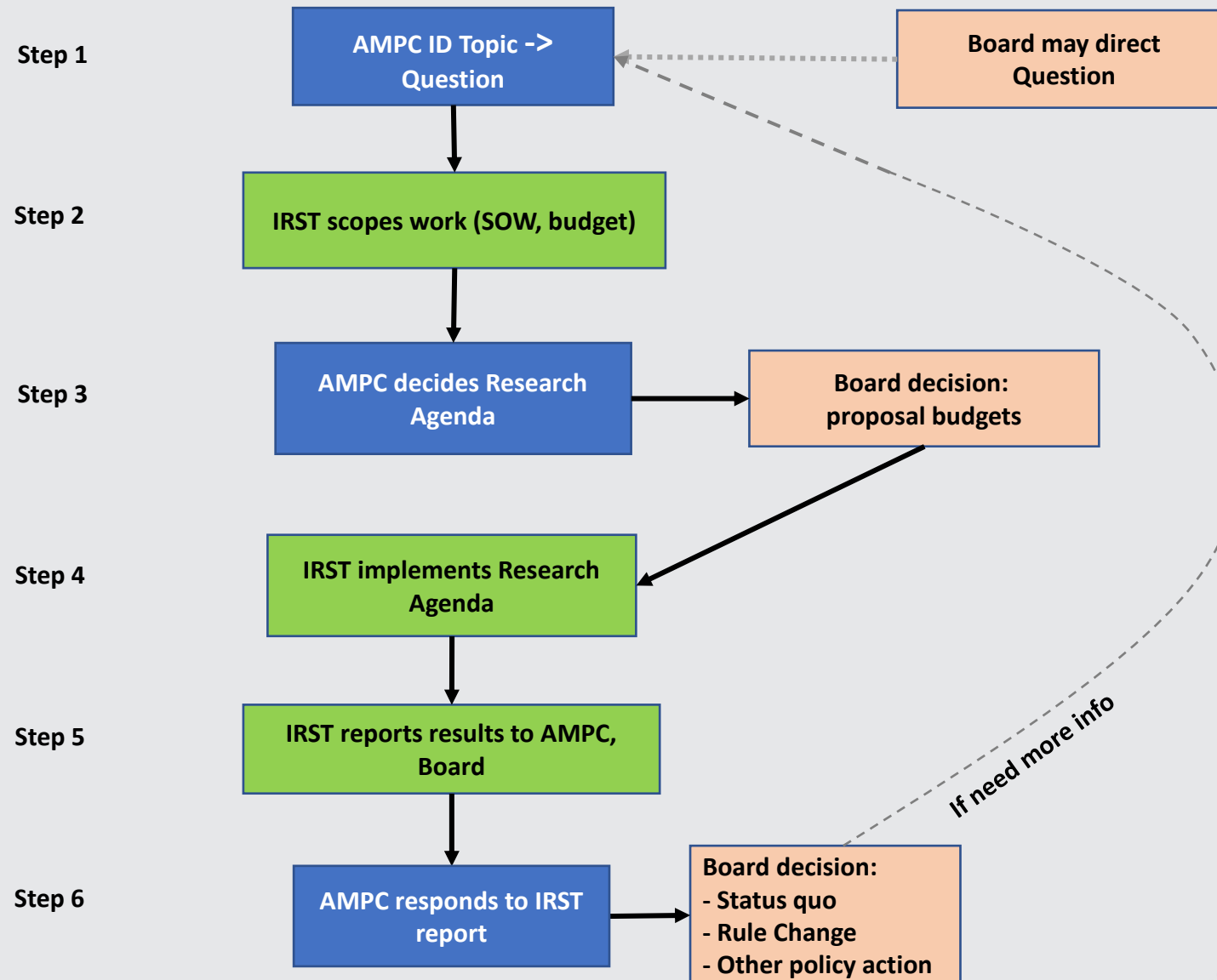


Conversation with Board Chair Jim Kelly

Start with introductions of AMPC members & their organizations

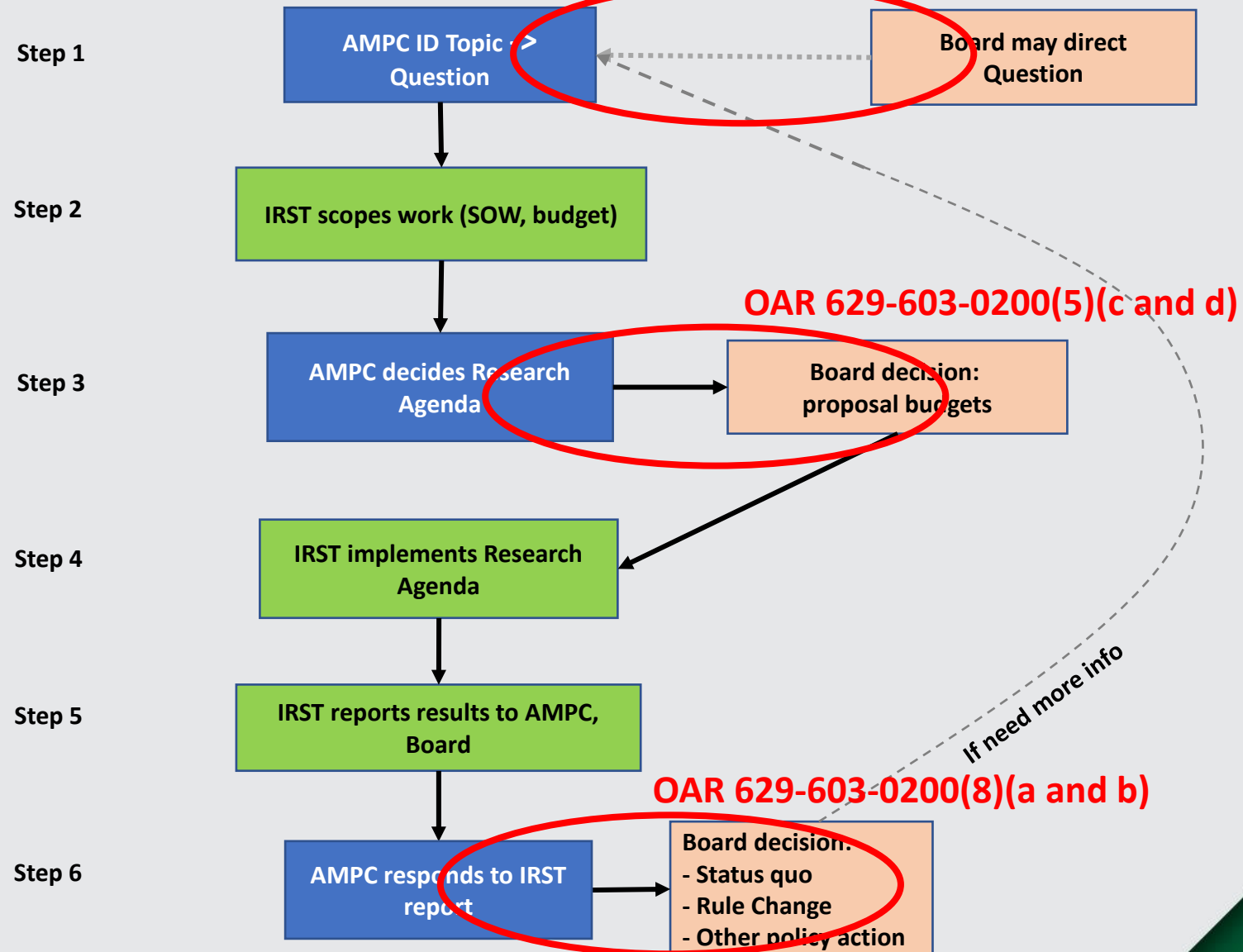


Adaptive Management Process Steps



AMPC-Board interactions

OAR 629-603-0200(3)(b)



AMPC-Board interactions in rule (cont.)

- **AMPC & IRST may each report to Board describing instances where access to land was insufficient to achieve AMP purposes -> Board shall consider whether to initiate rulemaking or other measures to address any problems arising from lack of access to land.** *OAR 629-603-0100(3)*
- **Annual ODF reports to Board re: AMP efforts.** *OAR 629-603-0100(4)*
- **If the Board directs AMPC & IRST to address issues unrelated to Biological Goals & Objectives, the IRST shall ...** *OAR 629-603-0600(2)*



AMPC-Board considerations

- **Chair Kelly - do you have questions based on presentation?**
- **Status of Board conversations on Adaptive Management Program**
- **Any other info from Board that's not in rule**
- **What would AMPC like from Board?**
 - > **Board direction vs. AMPC direction**



Forest Roads Research Question



Roads Research Question - Context

- We bring structure to AMPC conversations
 - > BUT, reminder – policy process is “messy” by definition
- INR in the “room” today – help with IRST role in research question formation
- Right balance of detail – enough specificity for AMPC needs, but not get stuck in analysis paralysis



Roads Research Question - Context

Goals for today

- Hone objective for research (from which question will develop)
- Discuss research question elements required in rule, and path to finalize them
- Not necessarily a finalized research question at end of today





Compliance Monitoring

August 28, 2023

Adam Coble: Forest Health & Monitoring Unit Manager

Monitoring Unit Staff: Rebecca McCoun, Kate Thompson, Emily Martin,
John Hawksworth, Hazel Daniels, David Showalter, Elise Chiba

Compliance Monitoring Program

629-678-0000(1-3) Purpose & Goals

Monitor forest practice rules implementation and analyze compliance rates.

Program is intended to provide information that will allow for improvement in compliance of the forest practice rules through training, guidance, clarification, and targeted enforcement and to increase the public's trust in the implementation of the Forest Practice Act and rules.

Report findings: (Annual, 2 yrs., 8 yrs.)

- Board of Forestry
- Legislature
- Federal Services
(under terms of an approved habitat conservation plan)



Long-Term Compliance Monitoring Study

[*Important Note](#)

Measuring landowner compliance with new FPA rules

- Population sample will come from Completed Notifications.
- Landowners need to accommodate access



CMP Rules Group Priorities

OAR 629-678-0110

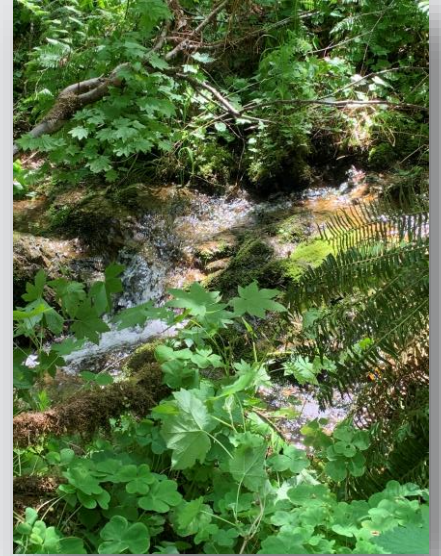
The compliance monitoring program shall prioritize rules related to biological and aquatic resources, including the following:

Division 625 Forest Road Construction and Maintenance

Division 630 Harvesting on Steep Slopes

Division 643 Water Protection Rules: Vegetation Along Streams

The compliance monitoring program may monitor other rules as directed by the Board of Forestry.



Monitoring: Rule Selection Process

Water Protection, Roads & Steep Slope Rules

Going through each rule and subsection of each...

- Q. Is the rule measurable?
- Q. Was it assessed in past ODF monitoring efforts? (Why or why not)
- Q. Do other states measure a similar rule in their compliance program?
- Q. Past issues with compliance/civil penalties
- Q. Is it better suited to be assessed by Stewardship Forester? Pre, Active, and Post Inspection Process



Compliance vs. Effectiveness

Did the forestland owner follow the FPA rule? - Compliance

Did following the rule protect and/or prevent damage to the resource of concern? - Effectiveness



Compliance Monitoring Program Committee



Advisory Committee

- Approximately 15 stakeholders
- Conservation, Industry, Private Non-Industrial, State Agencies, Rule Experts
- Meetings Held: February 9, 2023, May 16, 2023
- Next meeting September 13, 2023



Tentative: Compliance Monitoring Schedule

Rule Division	Assessment	Reporting
Division 643: Water Protection Rules	Survey in 2025, 2027	End of year or early part of following year
Division 625 Road & Division 630 Harvesting on Steep Slope Rules	Survey in 2026, 2028	End of year or early part of following year





Questions?

Roads Research Question – Context (cont.)

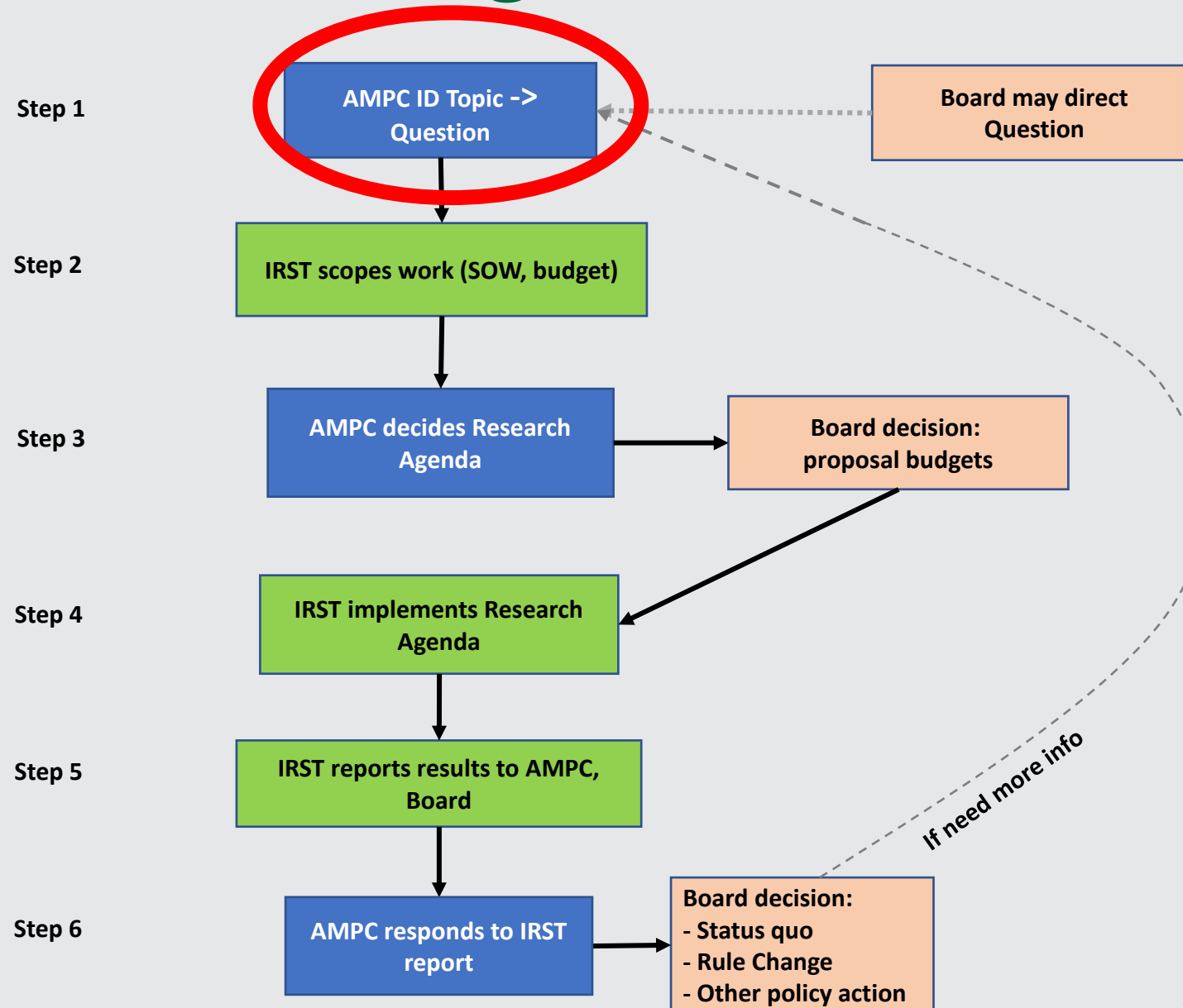


Roads primer: Research Topic vs. Research Question

Today

Research Topics	Research Questions
<p>-Broad research theme [in rule (OAR 629-603-0100(7)) or raised by AMPC member]</p> <p>-Regular prioritization: 1) focusing on in the near term; and, 2) consideration later.</p> <p>EXAMPLE: “The impacts of timber harvest along nonfish streams on downstream, fish-bearing streams”</p>	<p>Policy questions implemented via a research project; refinements of Research Topics.</p> <p>OAR 629-603-0200 (3)(a) requirements (“research question package”):</p> <ul style="list-style-type: none">A. <u>Type</u> of research and monitoring;B. <u>Rule, biological goals and objectives, or other issue</u> being studied;C. <u>Objective</u> of the research;D. <u>Context</u> of the research question;E. <u>Other information</u> that AMPC deems necessary

Adaptive Management Process Steps



Roads primer: PFA Report direction



Overarching goal:

“...to ensure that all forest roads and landings shall be hydrologically disconnected to the maximum extent feasible from waters of the state.”

Purpose of baseline and trend monitoring:

“...to establish a baseline and to monitor and report the change in hydrologic connectivity over time as the FRIA is implemented.

IRST Role:

“IRST...shall design and oversee baseline and trend monitoring for hydrologic disconnection.”

Methodology:

“...shall be based off of Dube et al. (2010) & Martin (2009).”

AMPC role:

“...use the results of the baseline and trend monitoring to develop regional goals consistent with that monitoring.”

Break



What do the rules require for the structure of a “Research Question”?

- The **type** of research and monitoring
- The **rule, biological goals and objectives, or other issue** being studied
- The **objective** of the research
- Brief discussion of the **context** of the research question
- **Other information** that AMPC deems necessary



What does the PFA Report say?

- **“4.3.10 Development of Monitoring Requirements**
- *The Independent Research Science Team (IRST) created under the PFA shall design and oversee baseline and trend monitoring for hydrologic disconnection. Compliance monitoring will be conducted through the Department’s process.*
- **Baseline and Trend Monitoring for Hydrologic Disconnection:** *The methodology for the monitoring shall be based off of Dube et al. (2010) and Martin (2009). The purpose of the monitoring for hydrologic disconnection is to establish a baseline and to monitor and report the change in hydrologic connectivity over time as the FRIA is implemented. The overarching goal is to ensure that all forest roads and landings shall be hydrologically disconnected to the maximum extent feasible from waters of the state. The Adaptive Management Program Committee shall use the results of the baseline and trend monitoring to develop regional goals consistent with that monitoring. All hydrologic connectivity data should be public and shared as it becomes available to help focus goals, identify accomplishments, and inform statewide learning.”*



What does the PFA Report say?

Overarching goal:

“...to ensure that all forest roads and landings shall be hydrologically disconnected to the maximum extent feasible from waters of the state.”

Purpose of baseline and trend monitoring:

“...to establish a baseline and to monitor and report the change in hydrologic connectivity over time as the FRIA is implemented.

IRST Role:

“IRST...shall design and oversee baseline and trend monitoring for hydrologic disconnection.”

Methodology:

“...shall be based off of Dube et al. (2010) & Martin (2009).”

AMPC role:

“...use the results of the baseline and trend monitoring to develop regional goals consistent with that monitoring.”



What direction does the PFA Report provide?

What the OARs require:	What the PFA Report says:
Type of research	
The rule, biological goals and objectives, or other issue being studied	
The objective of the research	
Brief discussion of the context of the research question	
Other information that AMPC deems necessary	



What is the decision space?

- Discussion of the direction that the PFA Report provides and what the OARs require for a Research Question
- What is missing?
- What information do we need?



Forest Roads Research Question Development: Primer questions



Reminder: IRST will hone research questions, don't get stuck in too many details

This slide spurs brainstorm for later use for "research question package" (OAR 629-603-0200(3)(a) elements)

- 1. Per PFA Report, what is the decision space to develop a research question(s)?**
- 2. Elements to consider:**
 - a. Scope and scale of the research**
 - b. Objective**
 - c. Time and spatial scale of the research**
 - d. Outcomes of the research (e.g., regional specificity, high confidence)**
 - e. Specific parameters (e.g., suspended sediment, hydrologic disconnection, turbidity)**
- 3. Request several different scoping proposals from the IRST that vary based on rigor, spatial and temporal scales, confidence in results, number of parameters, etc.?**

Forest Roads question(s): Workshopping

Research Question Package: *(OAR 629-603-0200 (3)(a) requirements)*

A. Type of research and monitoring per OAR 629-603-0200(2):

- (a) Conduct effectiveness monitoring by assessing the degree to which the rules facilitating particular forest conditions and ecological processes achieve the biological goals and objectives. This assessment may include evaluation of cumulative effects.
- (b) Conduct research inquiry and validation monitoring to:
 - (A) Determine if additional scientific inquiry is needed to fill knowledge gaps related to biological goals and objectives; and
 - (B) Test and improve existing and new models and methodologies used to design and implement forest practice rules intended to meet the biological goals and objectives.



Forest Roads question(s): Workshopping

Research Question Package:

(OAR 629-603-0200 (3)(a) requirements)

A. Type of research and monitoring;

B. Rule, biological goals and objectives, or other issue being studied:



Forest Roads question(s): Workshopping

Research Question Package: *(OAR 629-603-0200 (3)(a) requirements)*

A. Type of research and monitoring;

B. Rule, biological goals and objectives, or other issue being studied;

C. Objective of the research:



Forest Roads question(s): Workshopping

Research Question Package:

(OAR 629-603-0200 (3)(a) requirements)

A. Type of research and monitoring;

B. Rule, biological goals and objectives, or other issue being studied;

C. Objective of the research;

D. Context of the research question:



Forest Roads question(s): Workshopping

Research Question Package:

(OAR 629-603-0200 (3)(a) requirements)

- A. Type of research and monitoring;
- B. Rule, biological goals and objectives, or other issue being studied;
- C. Objective of the research;
- D. Context of the research question;
- E. **Other information** that AMPC deems necessary



AMPC Workshopping

Capture AMPC thoughts here during meeting



Examples from Dubé and Martin



Forest Roads Research Question Development: Dube *et al.* (2010)



Questions

1. Condition of forest roads at each sample event? (focus: what management can change relative to sediment production and delivery)
2. Have road attributes that affect sediment production and delivery improved over time?
3. Status of road performance measures for drainage connectivity and sediment delivery to streams at each sample event?
4. Status of road performance measures relative to their targets, by performance target region, at each sample event?
5. Have measures of road sediment performance improved over time?
6. Will roads judged to meet road standards meet the performance targets?

Forest Roads Research Question Development: Martin (2009) paper

Purpose (p. 2) :

To document cumulative effectiveness of past and ongoing road maintenance efforts to disconnect road runoff delivery to streams.

Goal:

Determine current proportion of road miles that have been hydrologically disconnected.



Developing Research Question(s)



Forest Roads question(s): Getting across the finish line

Research Question Package:

(OAR 629-603-0200 (3)(a) requirements)

- A. Type of research and monitoring;
- B. Rule, biological goals and objectives, or other issue being studied;
- C. Objective of the research;
- D. Context of the research question;
- E. Other information that AMPC deems necessary

Who, how, when draft these? *(probably too much during meeting)*

-Terry?

-Work group?



Forest Roads Research Question Development: Field Tour debrief

- **What worked well?**
- **How to improve tours in the future?**
- **Thoughts on how tour informs this discussion.**





September 2023 meeting

In person/hybrid vs. all virtual?



**Thank you for your
participation today**

Extra slides

