

# Canada Lynx Status Assessment and Recovery Planning

July 29, 2015



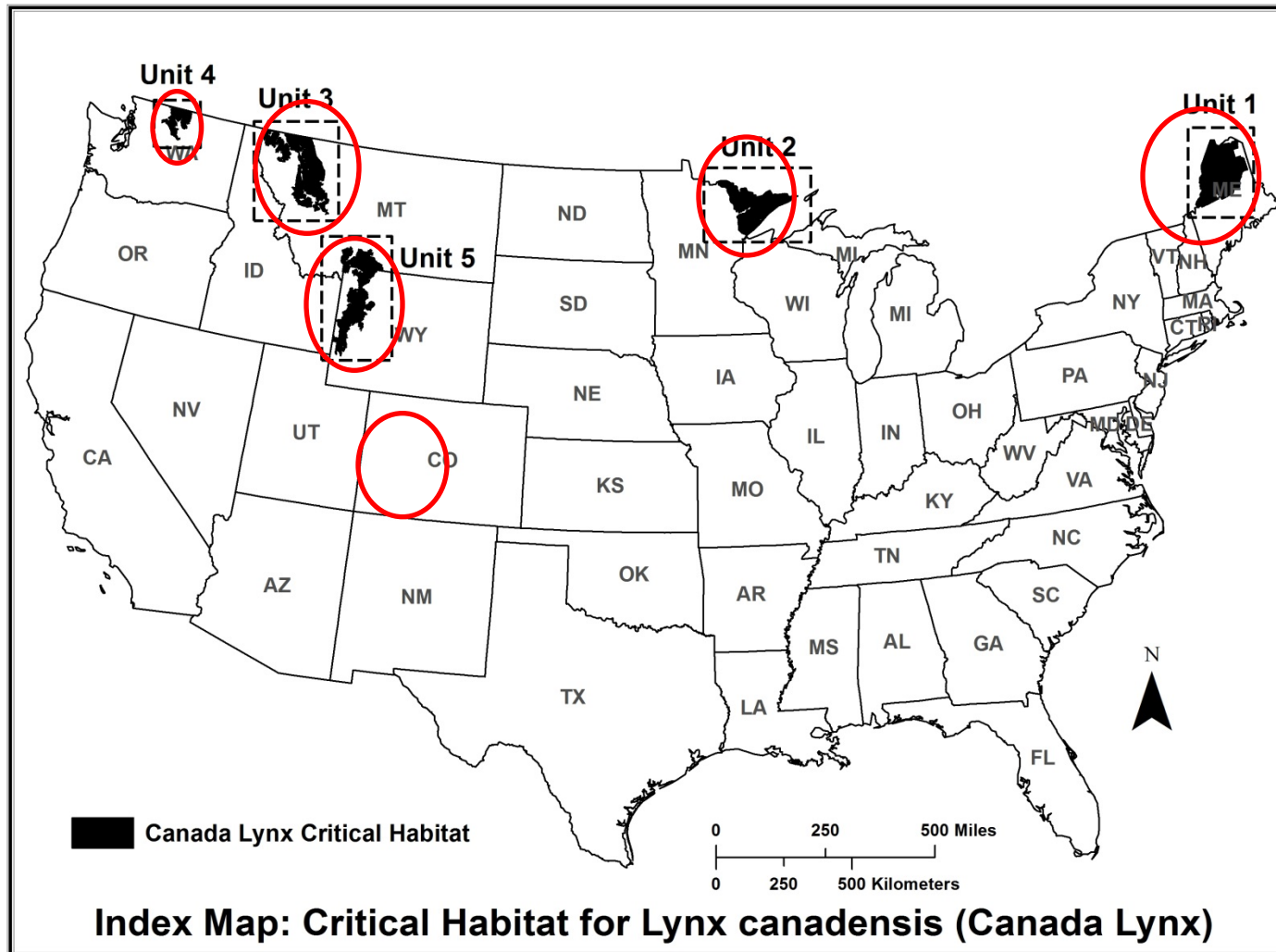
# Outline

- Brief review of lynx listing history
- Update on lynx status assessment and recovery planning
- Strategy and schedule for meeting court-ordered recovery plan deadline
- Overview of Species Status Assessment (SSA)
- Questions/discussion

# Brief Listing History

- 2000 (& 2003) - Contiguous U.S. DPS listed as threatened (Factor D)
- 2005 - Recovery Outline
- 2006 - CH designated
- 2007 - SPR Clarification
  - Service withdrew 2006 CH
- 2009 & 2014 - Revised CH
- June 25, 2014 – Court order to complete Recovery Plan by Jan. 15, 2018

# Lynx DPS Subpopulations



# Schedule

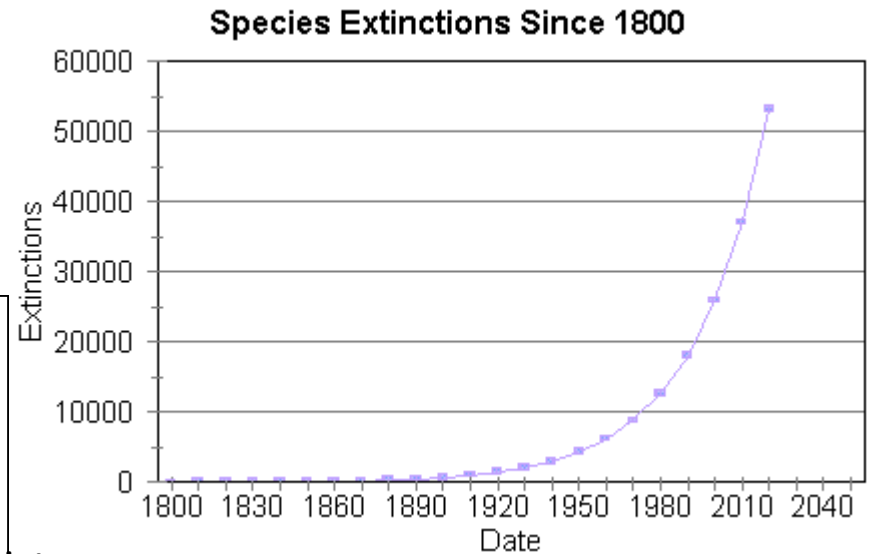
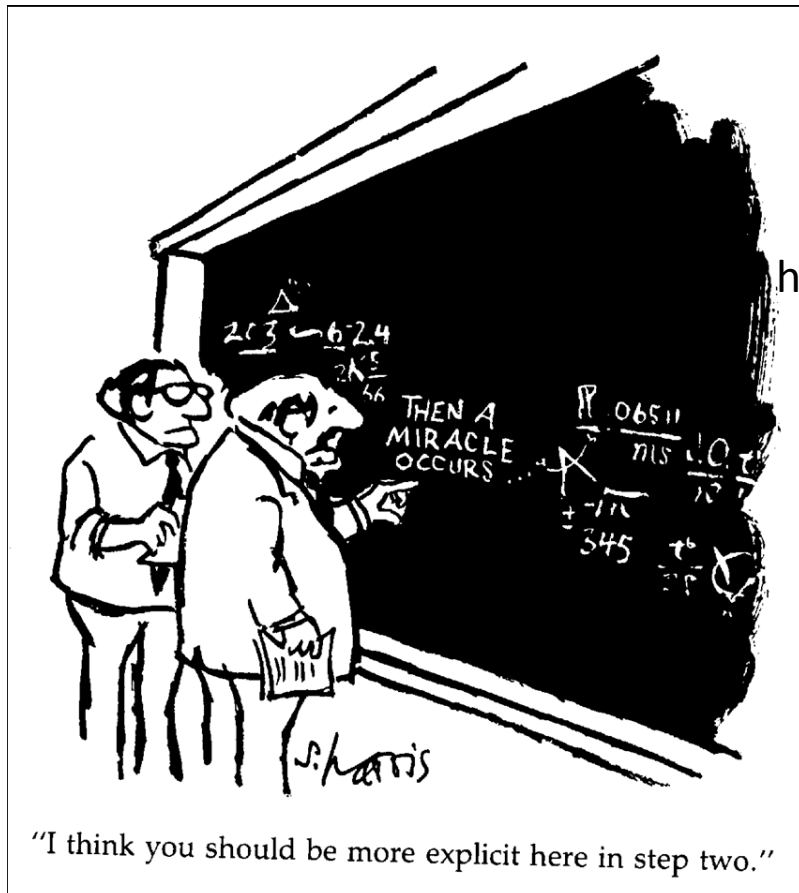
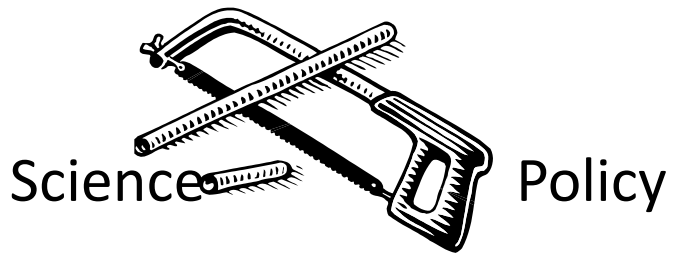
- Court order to finalize recovery plan by Jan. 2018
- Dec. 2014/Jan. 2015 – announced re-initiation of 5-year status review
- Mar. 2015 – Decision to implement SSA framework
- Dec. 2015 – Finish SSA to allow completion of final recovery plan by court-ordered deadline
- Jan. 2016 to Jan. 2017 – Draft recovery plan
- Jan. 2017 to Jan. 2018 – Final recovery plan

# SSA Objectives

- Assess current status, threats, and future viability of each DPS subpopulation
- Prioritize information and modeling needed to best evaluate potential future conditions and viability of DPS populations
- Engage State, Tribal, other Federal, Canadian, and other stakeholders, partners, and managers, and elicit information from experts

# Welcome to the Species Status Assessment (SSA) Framework Overview

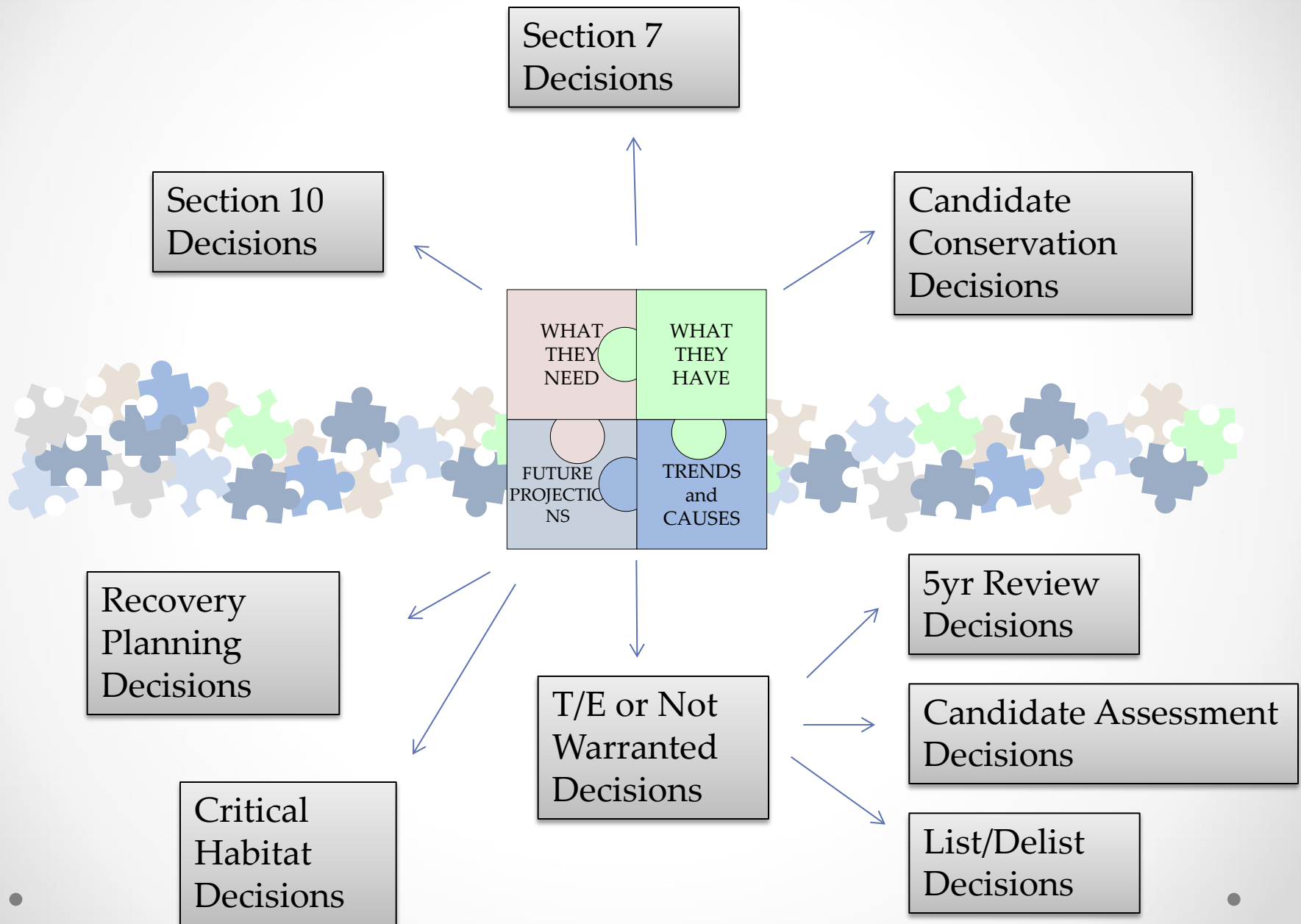




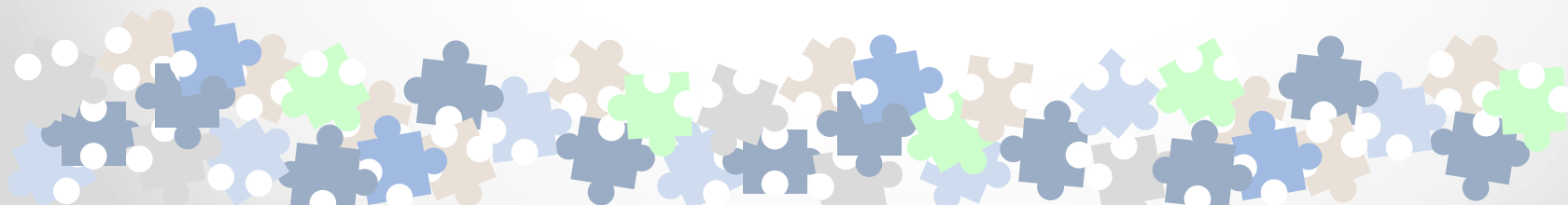
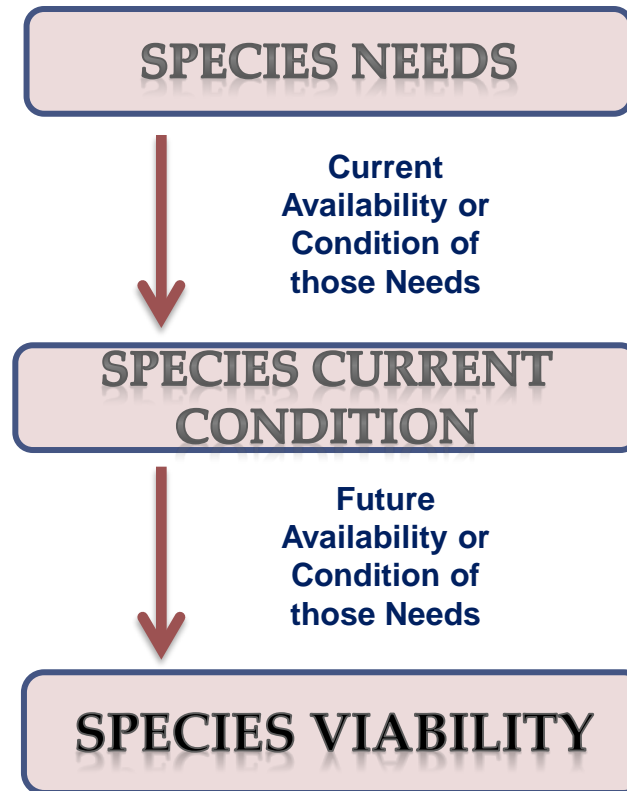
history







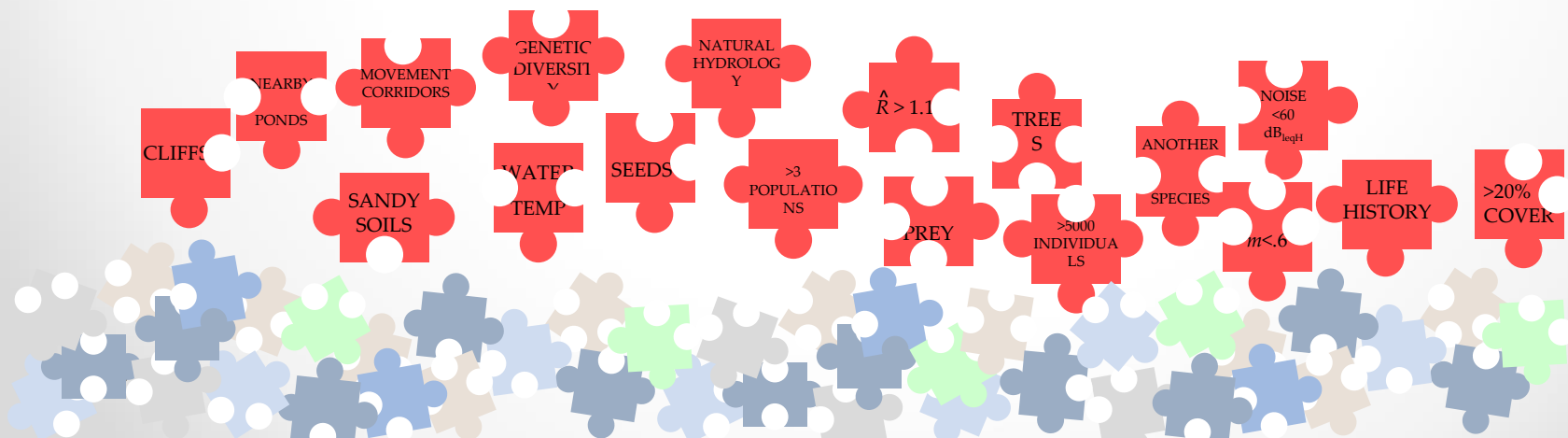
# SSA Framework



# WHAT DOES THE SPECIES NEED?

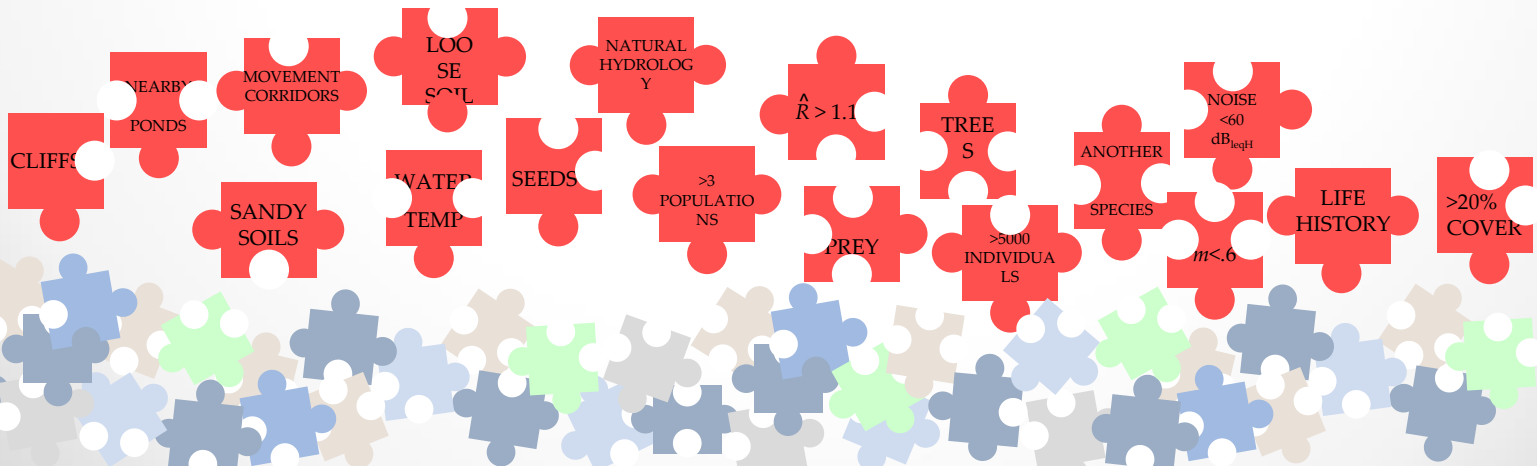
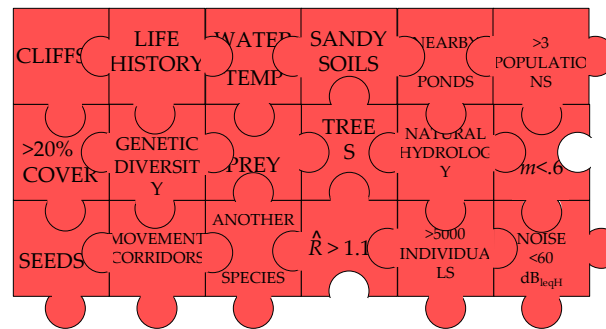
For **EACH LIFE STAGE** consider needs at the levels of

- ✓ **INDIVIDUALS**
- ✓ **POPULATIONS**
- ✓ **SPECIES**

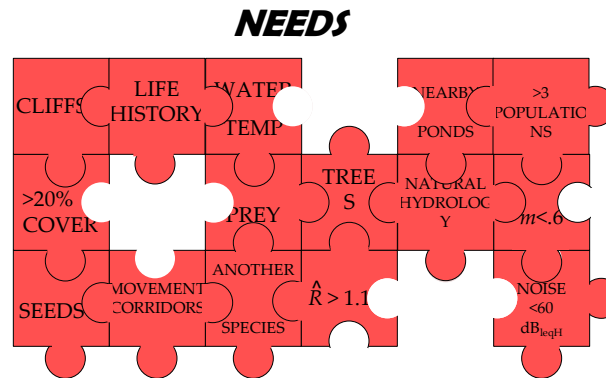


## WHAT DOES THE SPECIES NEED?

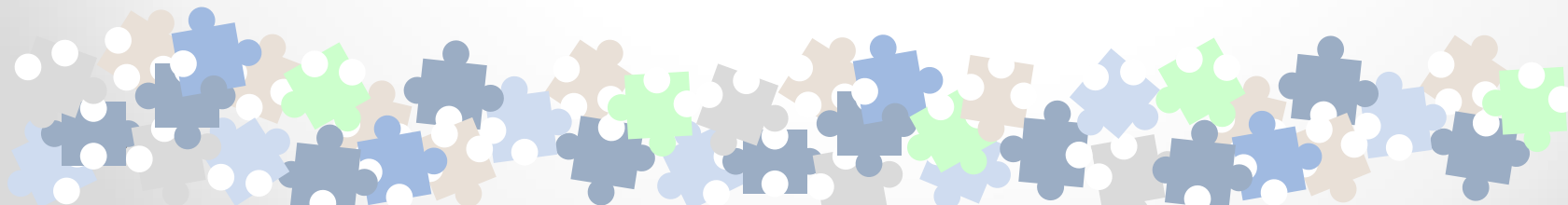
### ***NEEDS***



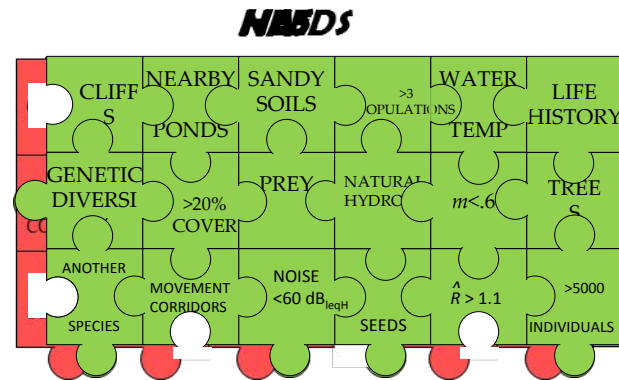
## WHAT DOES THE SPECIES NEED?



## MISSING PIECES - Addressing Uncertainty

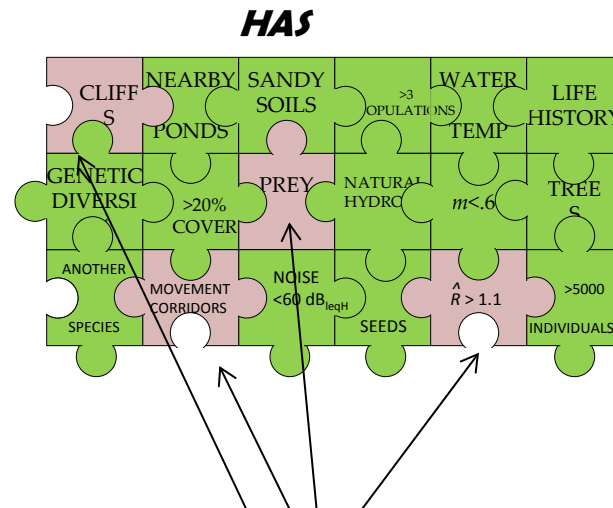


## WHAT DOES THE SPECIES HAVE?

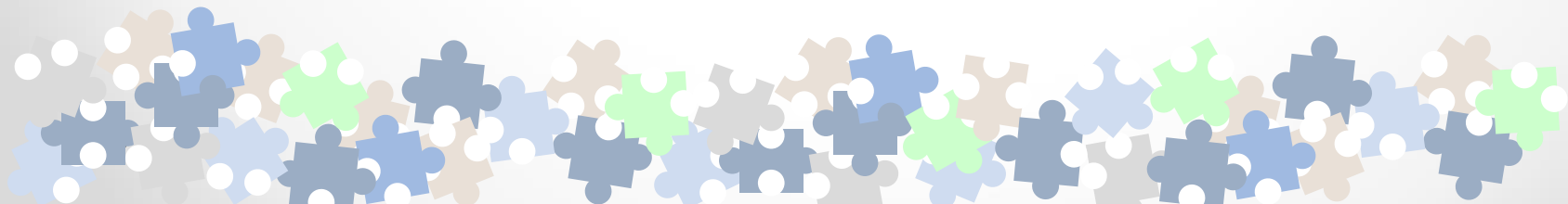


## WHAT IS MISSING OR DIMINISHED?

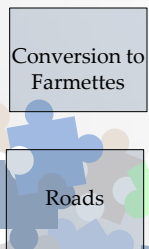
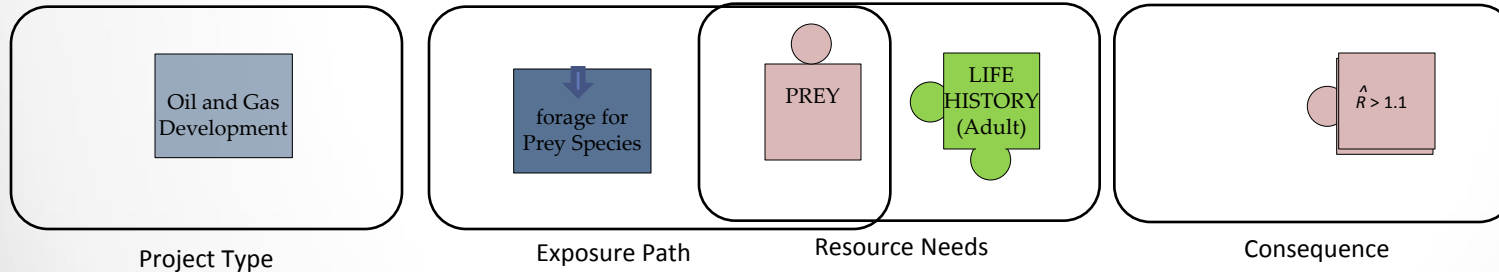
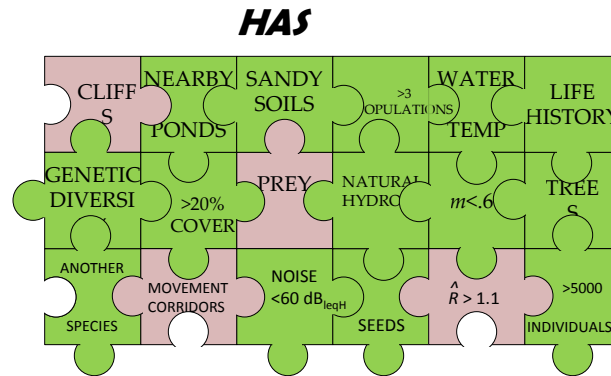
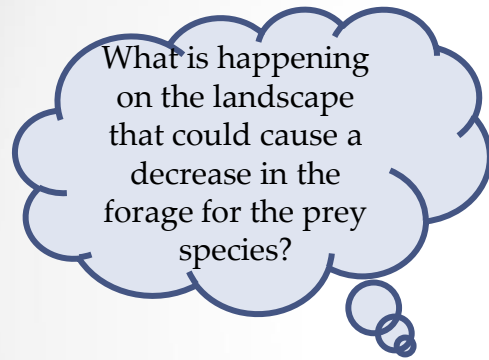
and WHAT DOES IT MEAN?



What are the implications of these missing or diminished needs?

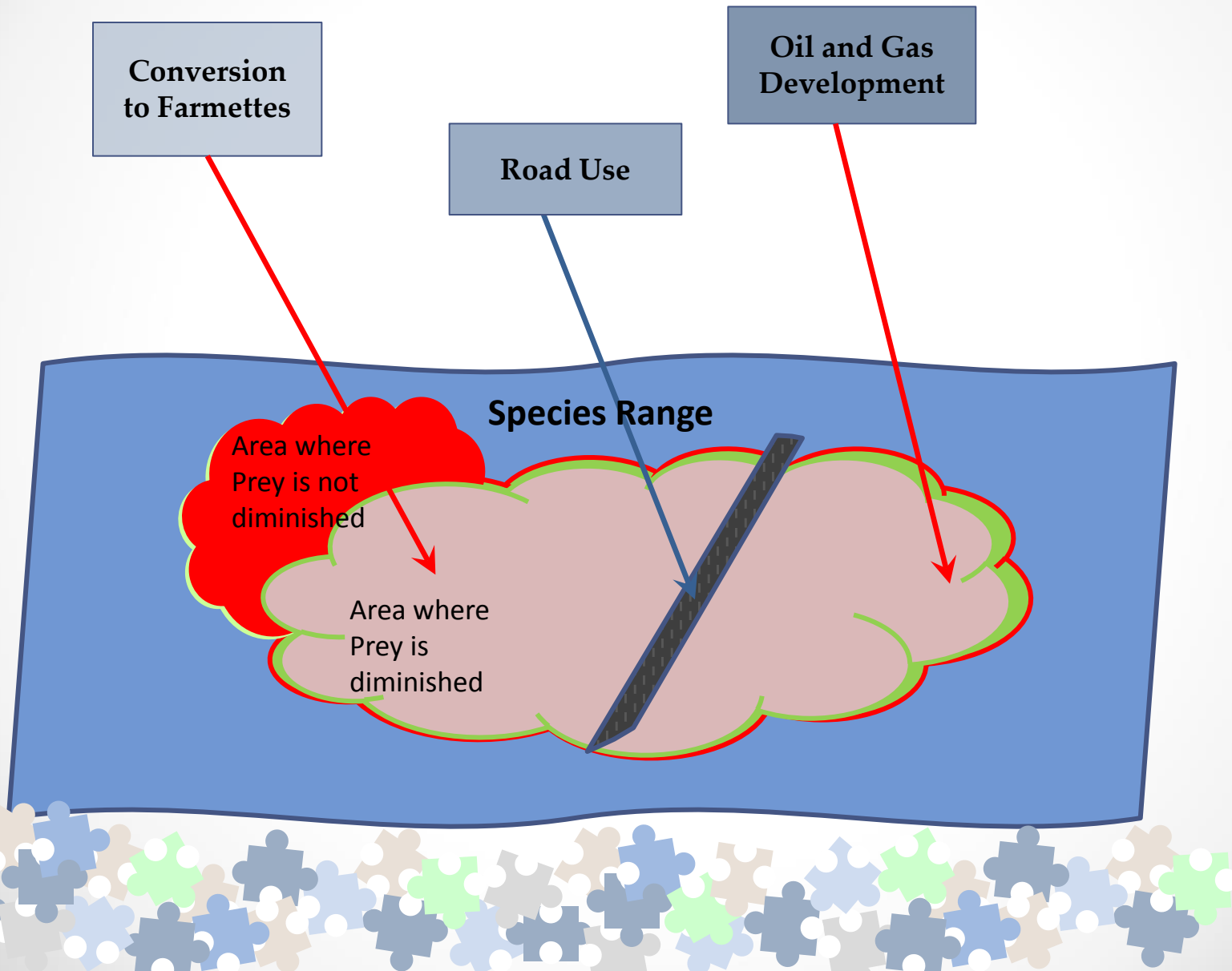


## Cause and Effect

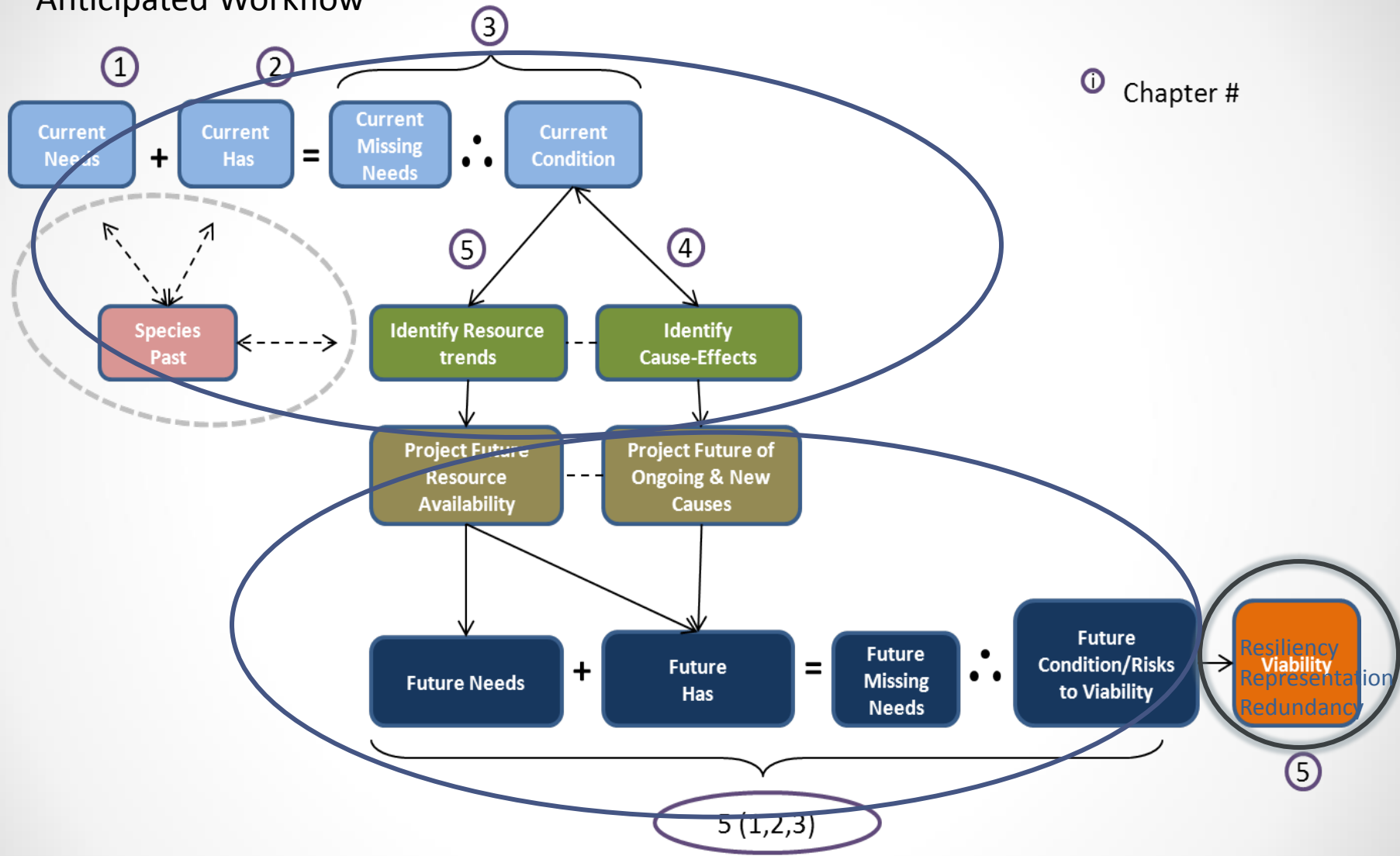




## Spatial and Temporal Overlap – Exposure Analysis Assessment Mapping

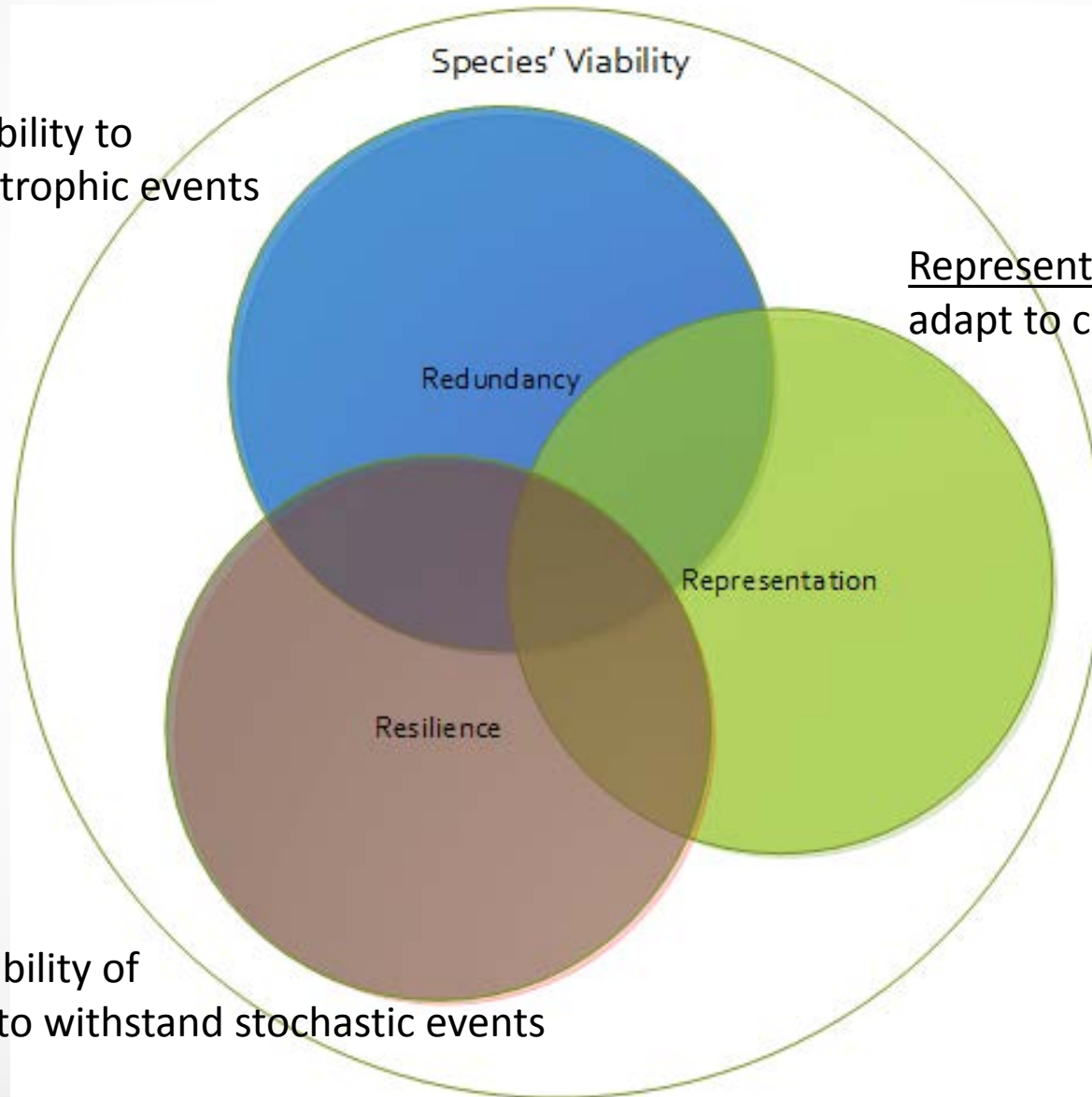


## Anticipated Workflow



\* Chapter 5 references methods/process used in Chapters 1,2,3 to identify **Future** Needs, Has, Gaps and Conditions

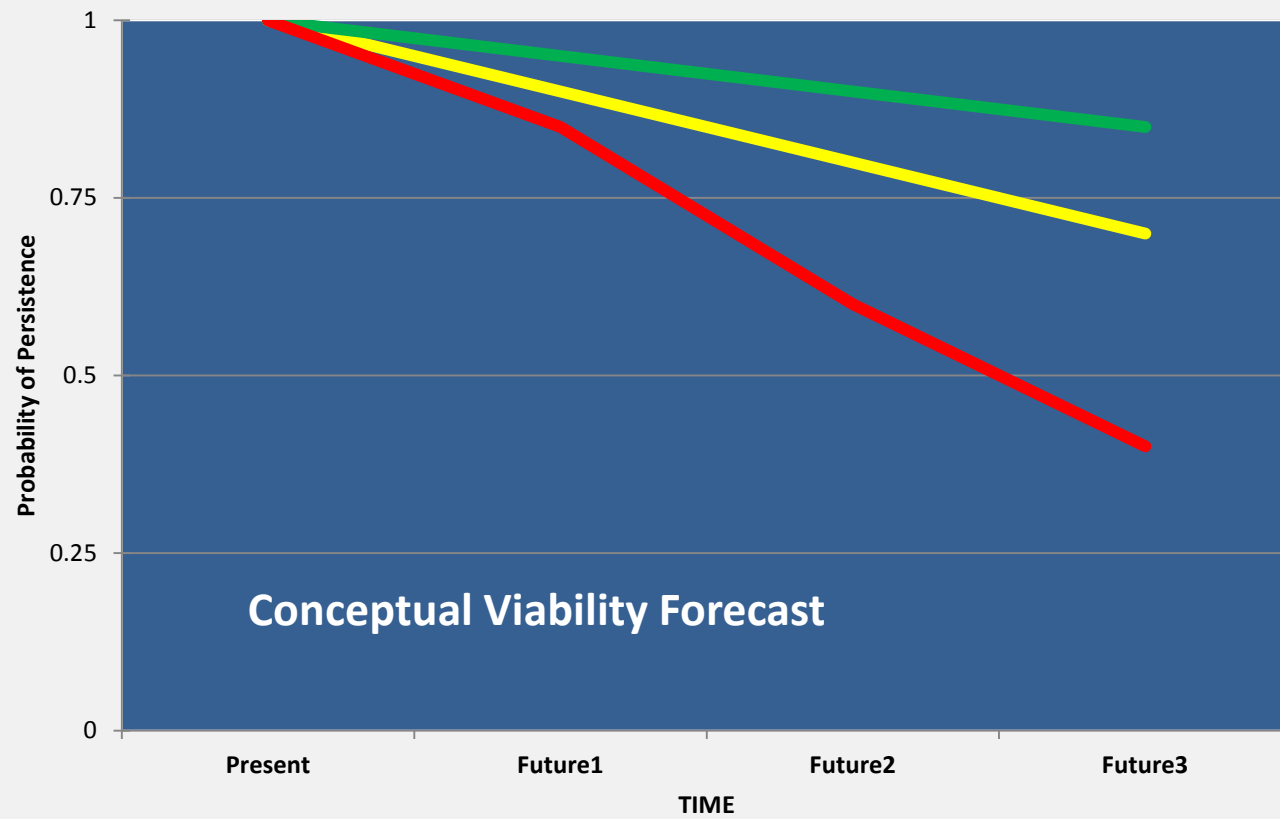
# Viability – 3 R's



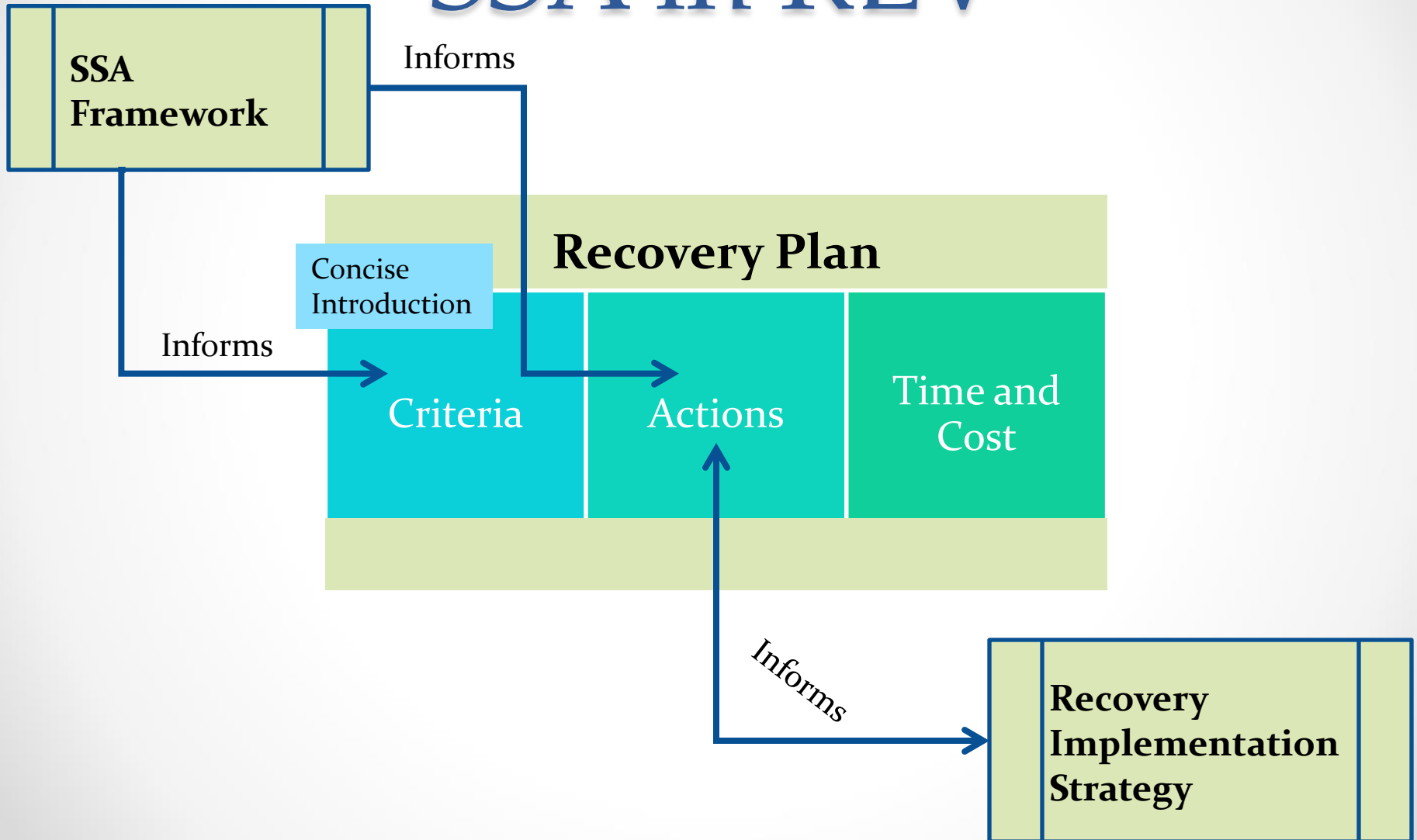
Redundancy: ability to withstand catastrophic events

Representation: ability to adapt to changing environment

Resiliency: ability of populations to withstand stochastic events



# SSA in REV



## Individual Project Planning

- Project Manager responsible for identifying staff and the roles and responsibilities of Project Manager, Core Team, SSA Team, Reviewers, Recommendations team
- Scoping on complexity of SSA analysis
- With SSA Team, IDs methodologies /expertise needed for SSA
- Role of State(s) identified; role of peer review identified

**Document: Listing Project Plan**

**Approvals required: RD(s) reviews Listing Project Plan**

## Species Status Assessment

SSA Team responsible for: Information Collection, Analysis , Characterization of Results: Needs, Current, Future Condition – 3Rs

- Transparent - Shows how information was considered; Recognizes and explains uncertainty
- Efficient and Effective: Focuses discussion on major issues; peer reviewable
- Consistent : Standardizes status reviews across program (listing, recovery, and consultation)
- Collaborative: Facilitates appropriate State (and others) involvement

**Document: SSA, and Executive Summary for use in the FR notice**

**Approvals required: none** (briefings for/review by Core Team, Managers, RD, solicitor prior to Recommendation meeting)

## Recommendation

Recommendation Team responsible for knowledge of and interpretation of policy and statute

- Interpretation and application of statutes and policies to the information in SSA to produce a recommendation
- Facilitation and appropriate documentation

**Document: Recommendation documentation for Admin Record**

**Approvals required: none** – Recommendation forwarded to AES etc.

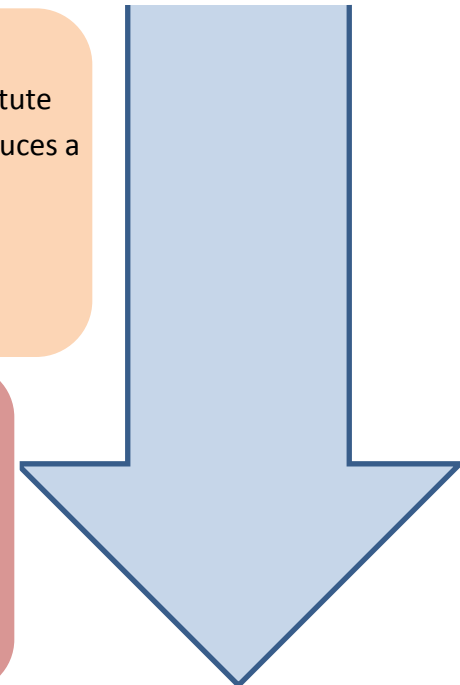
## Finding

Core Team develops the Finding

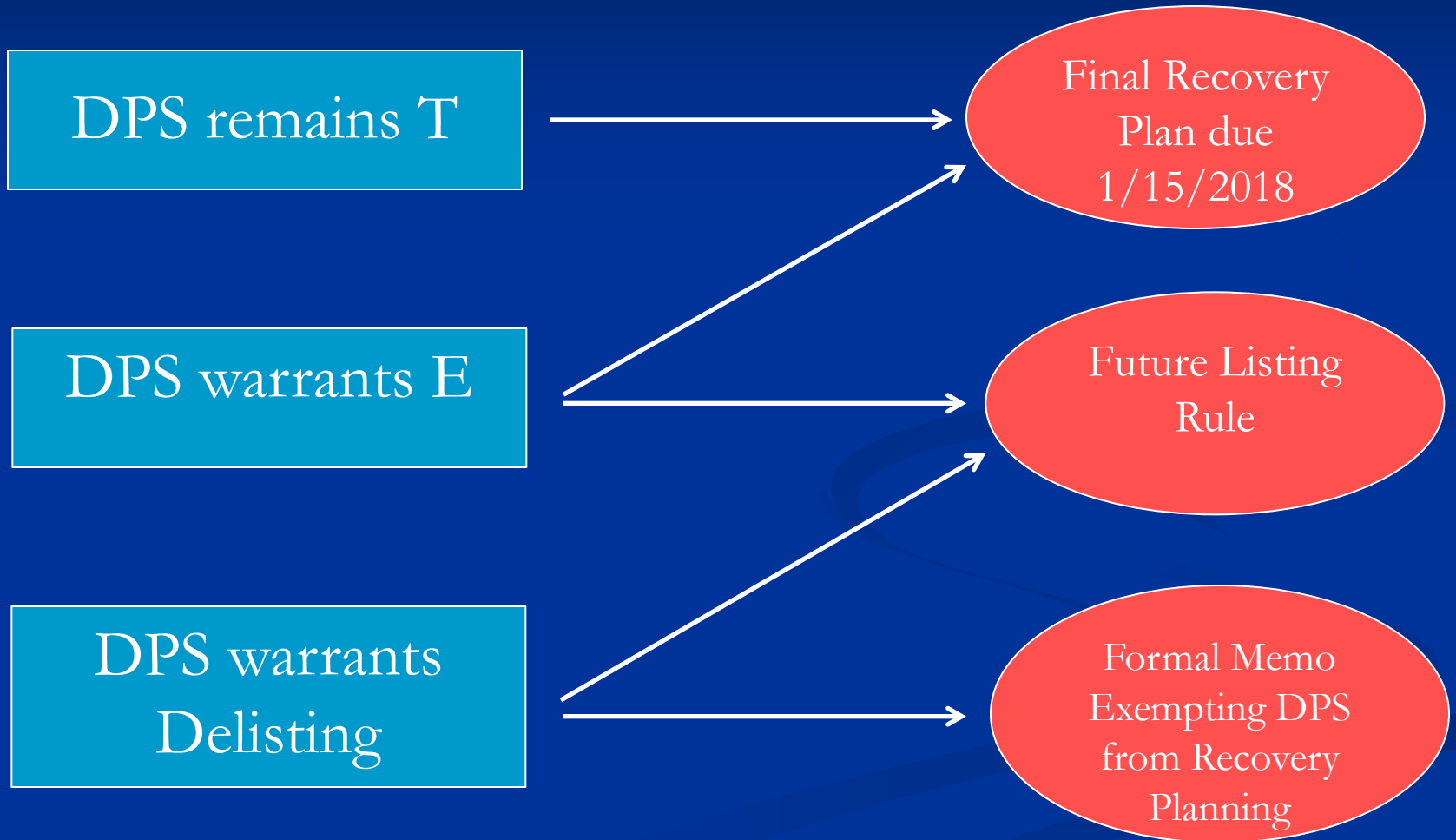
- Focus on connecting the logic, brief
- Executive Summary from SSA, boilerplate language, determination

**Document: FR Notice**

**Approvals required: PM-ARD(s)-RSOL(s)-RD(s) – PPM-ULT Manager- HQ?- AES-Director-Assistant Secretary-Executive Secretary-OMB if applicable**



# Potential Findings



# Progress to Date

- Designated SSA teams
  - Core team of USFWS biologists covering the DPS range
  - USFWS and USGS SSA and expert elicitation practitioners
- Coordination with States and other partners
  - Requests for lynx status, monitoring data, other information
  - Coordination letter
  - Monthly update calls
- Drafted criteria and list of potential candidates for expert elicitation



# Next Steps

- Identify key information gaps (e.g., population sizes/status, efficacy of current regulatory mechanisms, range of reasonable future climate scenarios) and the experts most able to help fill them
- Schedule and plan expert elicitation meeting this fall and invite attendees
- Complete SSA report by end of 2015
- Convene recovery planning team if necessary

# Questions?

