

Natural and Working Lands Climate Solutions Survey:

*Final results from all questions and
narrative response analysis*



Overview

- ❖ Why this Survey?
 - ✓ *Complements other tools and approaches to provide recommendations about Oregon's Natural and Working Lands goal*
- ❖ Multiple choice survey results
- ❖ With some open-ended questions

Survey targets

- ❖ Tribes
- ❖ Agricultural Landowners/Land Managers
- ❖ Forest Landowners/Land Managers
- ❖ Technical Assistance Providers
- ❖ Agriculture/Forest Landowner Interest Groups
- ❖ Conservation or Environmental Organizations



Survey Design

- ❖ Respondents self-select with one of the targeted groups
- ❖ Questions tailored to their selection
- ❖ Respondents were not required to answer every question
- ❖ Open December 11, 2020 through January 4, 2021

6. Which of the following conservation practices are you currently implementing on your land?



7. Which of the following conservation practices do you help landowners implement on their land?



8. Which of the following conservation practices are important for landowners to implement on natural and working lands?



Shelterbelts or other vegetation barriers

Streamside/riparian restoration or maintenance

Wetland conservation/restoration

Forest management for conservation or restoration purposes

Rangeland management for conservation or restoration purposes

Pasture management for conservation or restoration purposes

Land application of compost or other nutrients

Animal waste management

Cover cropping

No till/reduced tillage

Nutrient management

Coordinated pest management

Farm practices that reduce fuel or energy use



Summary of Survey Questions

Select Your affiliation:

- Agricultural or Forest Landowner
 - Type of land? Size?
- Technical Assistance Provider
- Agriculture or forest landowner interest group
- Conservation or Environmental organization

Regional or statewide affiliation

Conservation practices currently implementing/helping landowners implement?

Incentives currently using/helping landowners use?

Practices you are not currently implementing, but may be interested in implementing in the future?

Barriers you see to access incentive programs?

Membership in forestry/agricultural/conservation organization?

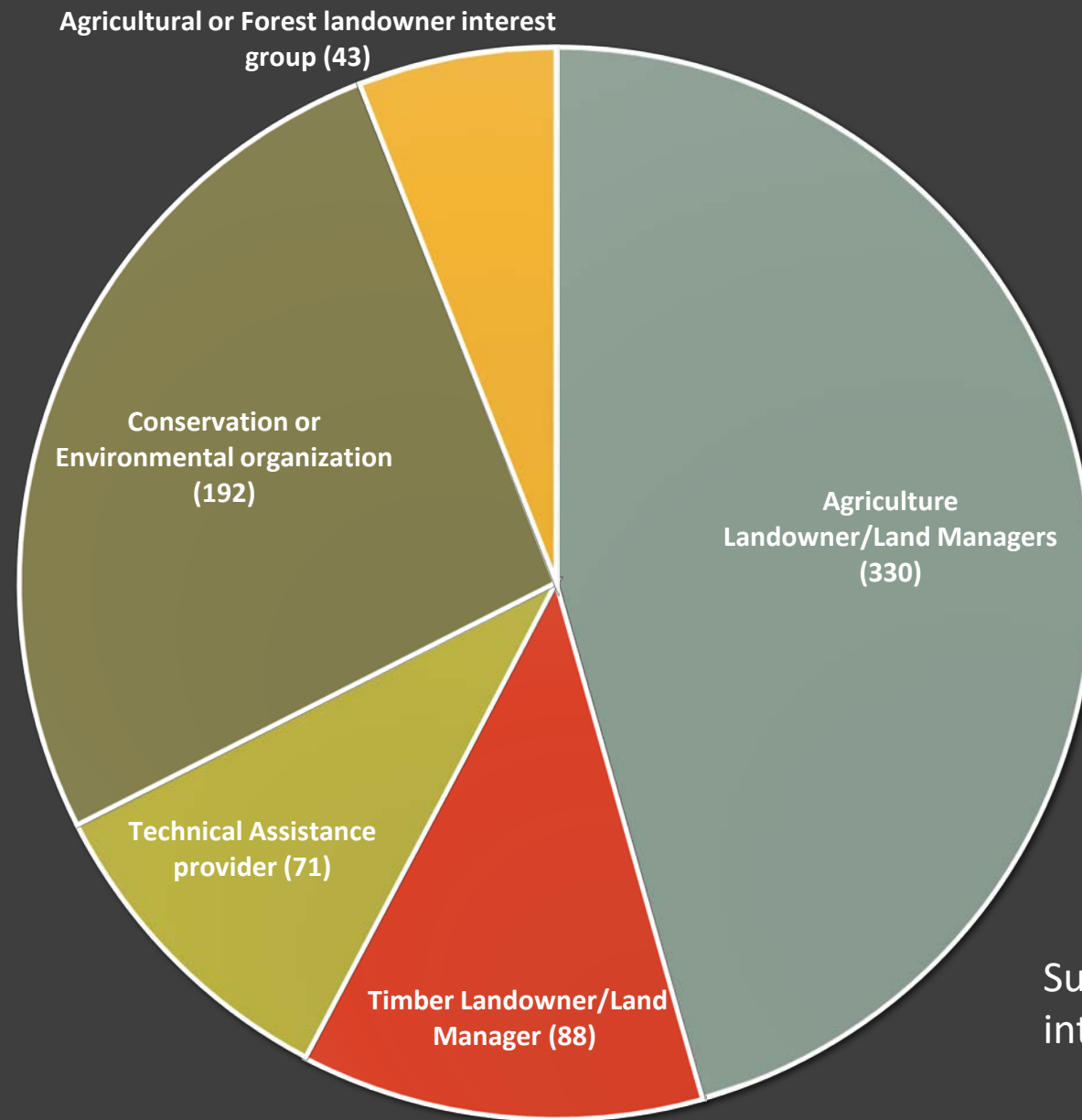
Key information sources for land management decisions?

What type of agency would you prefer to partner with for cost-share or incentive programs?

What other actions, policies or programs should the state consider?

Comments, suggestions, further ideas?

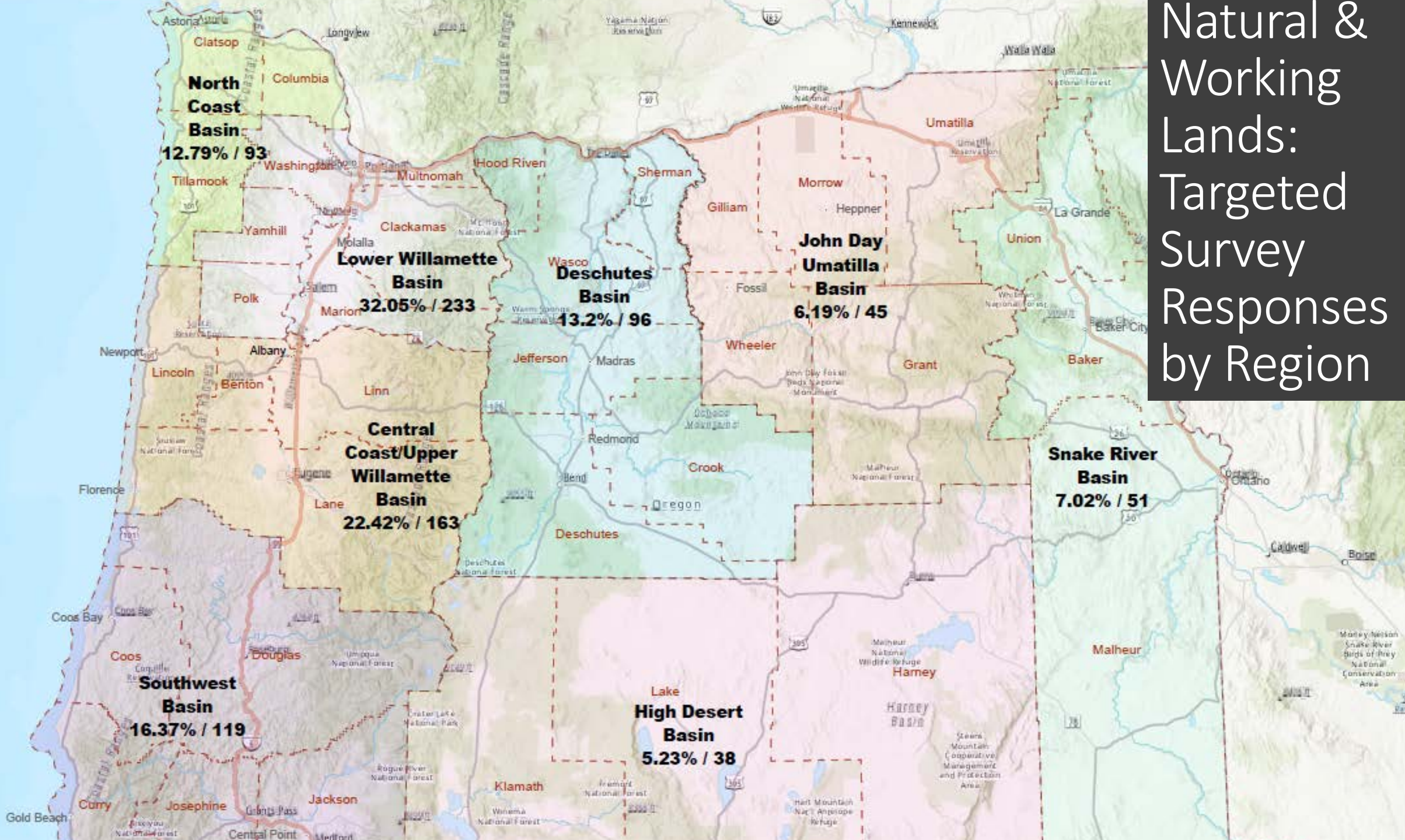
Survey Respondents



Survey participants self-selected into one of the 5 categories

737 Responses, total

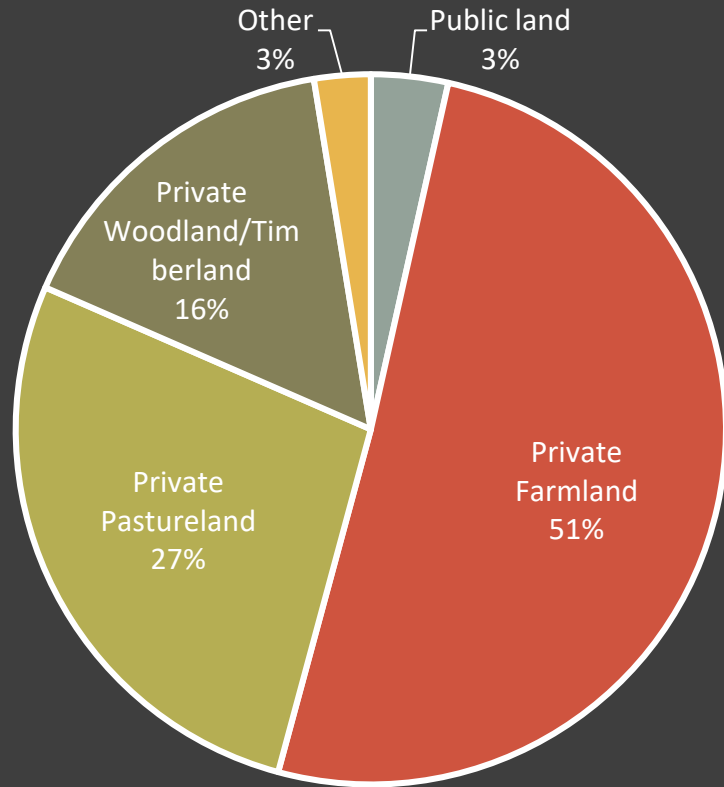
Natural & Working Lands: Targeted Survey Responses by Region



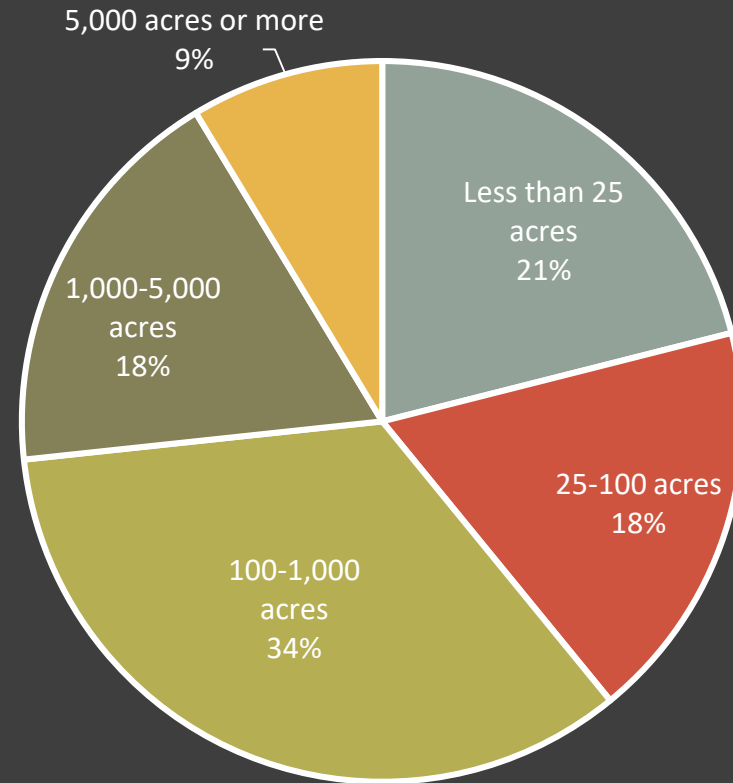
Agricultural landowners/land managers

SUMMARY OF RESPONSES RECEIVED FROM TARGETED OUTREACH
SURVEY

Agricultural landowners/land managers



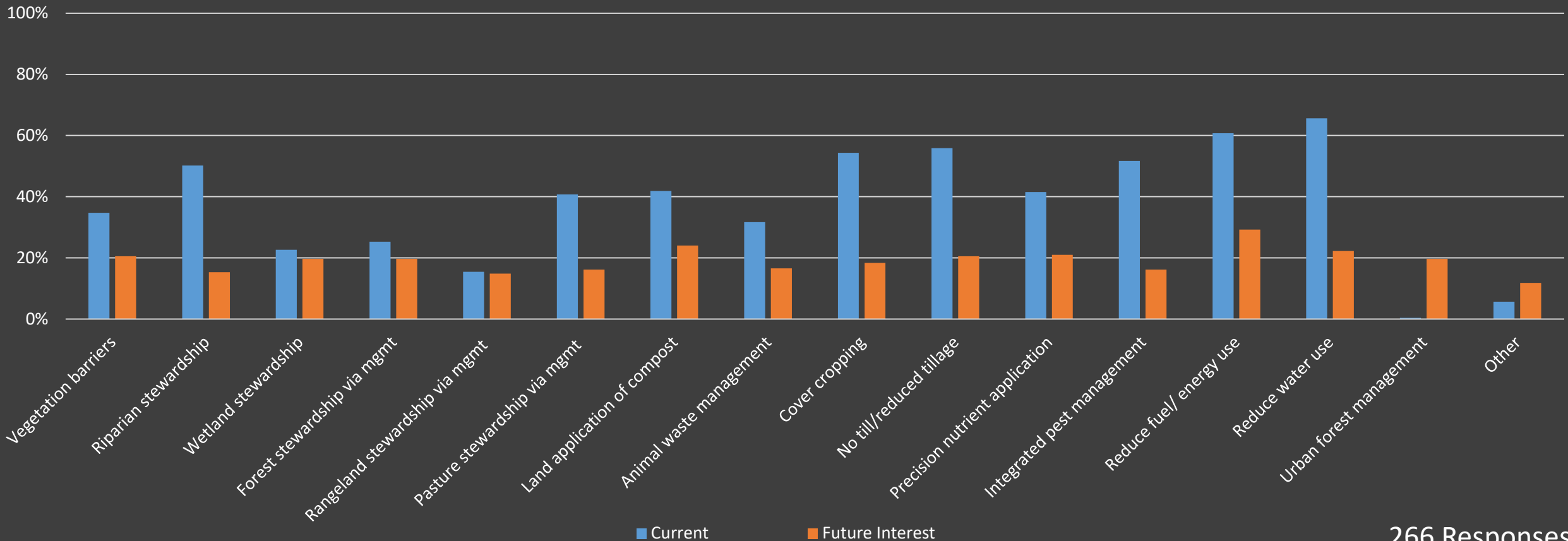
Type of Land



Size

330 Responses

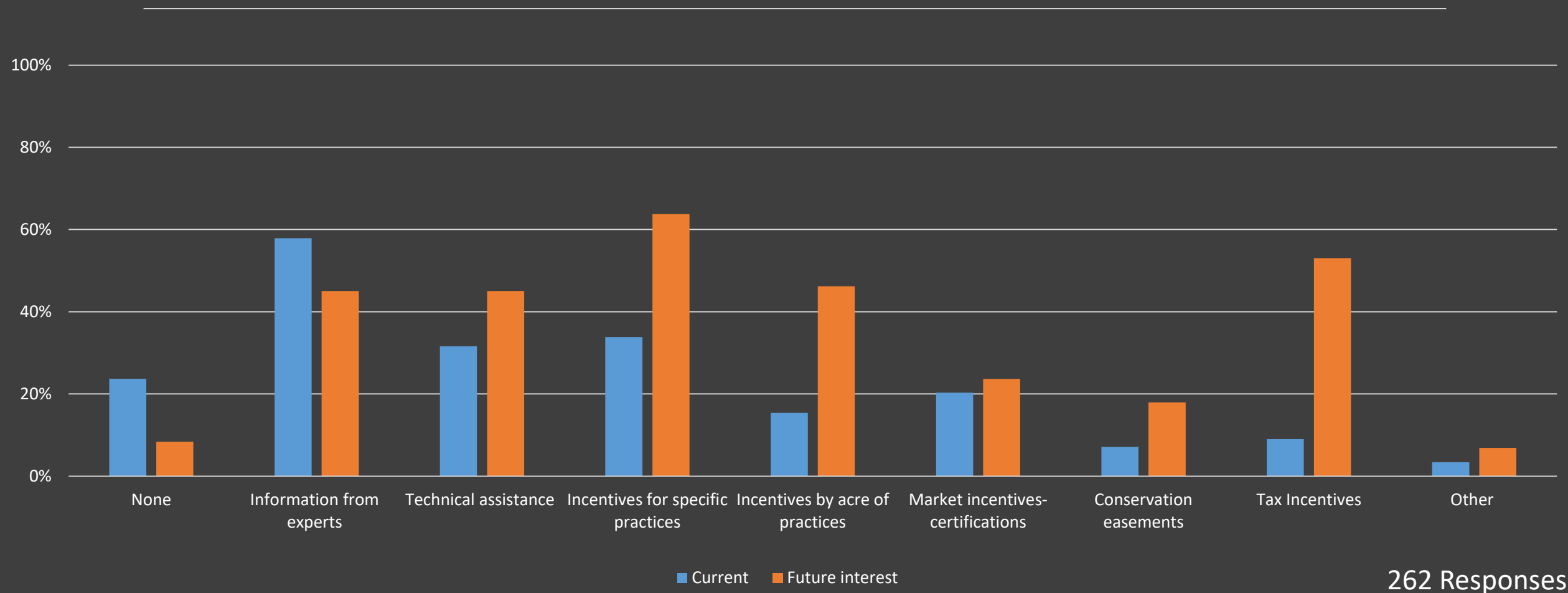
Agriculture: (1) Current conservation practices and (2) Additional future interests



266 Responses

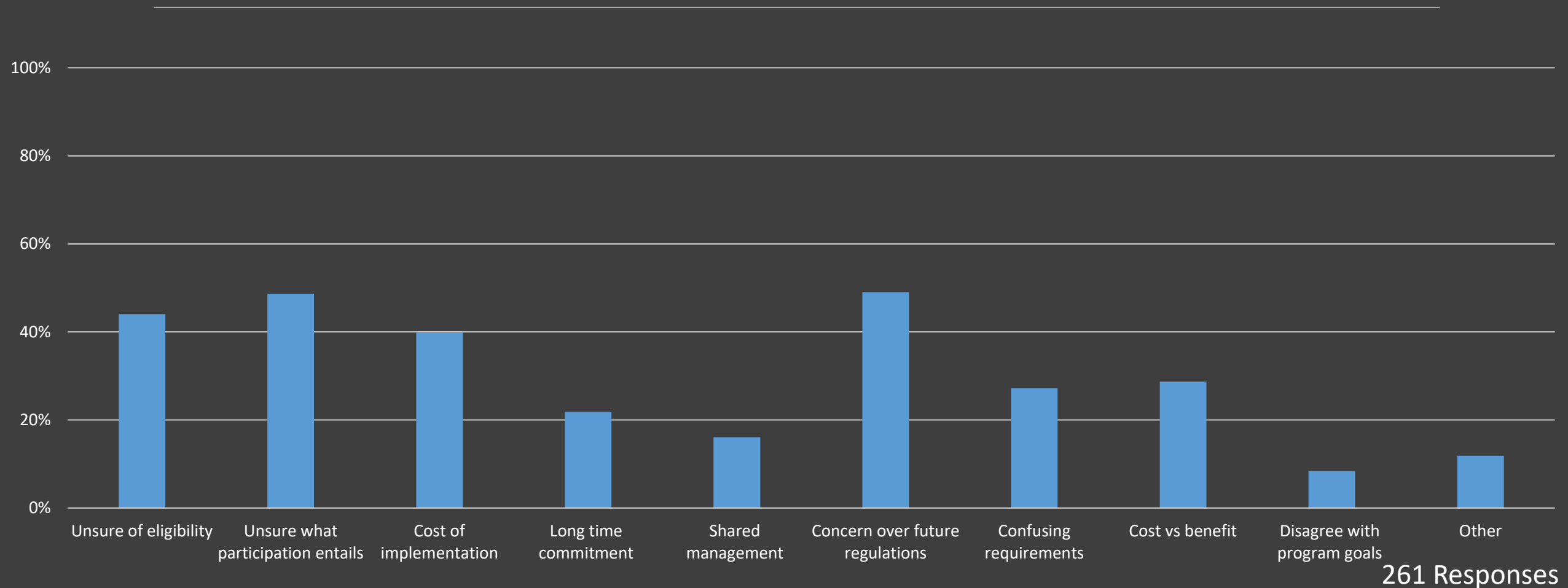
(1) Which of the following conservation practices are you currently implementing on your land? (2) Which of the following practices are you currently NOT implementing on your land, but are interested in utilizing in the future? Select all that apply. .

Agriculture: (1) Current incentives utilized and (2) Additional future interests



(1) Which of the following incentives are you currently using? (2) Which of the following incentives, if provided, would help motivate additional practices? Select all that apply.

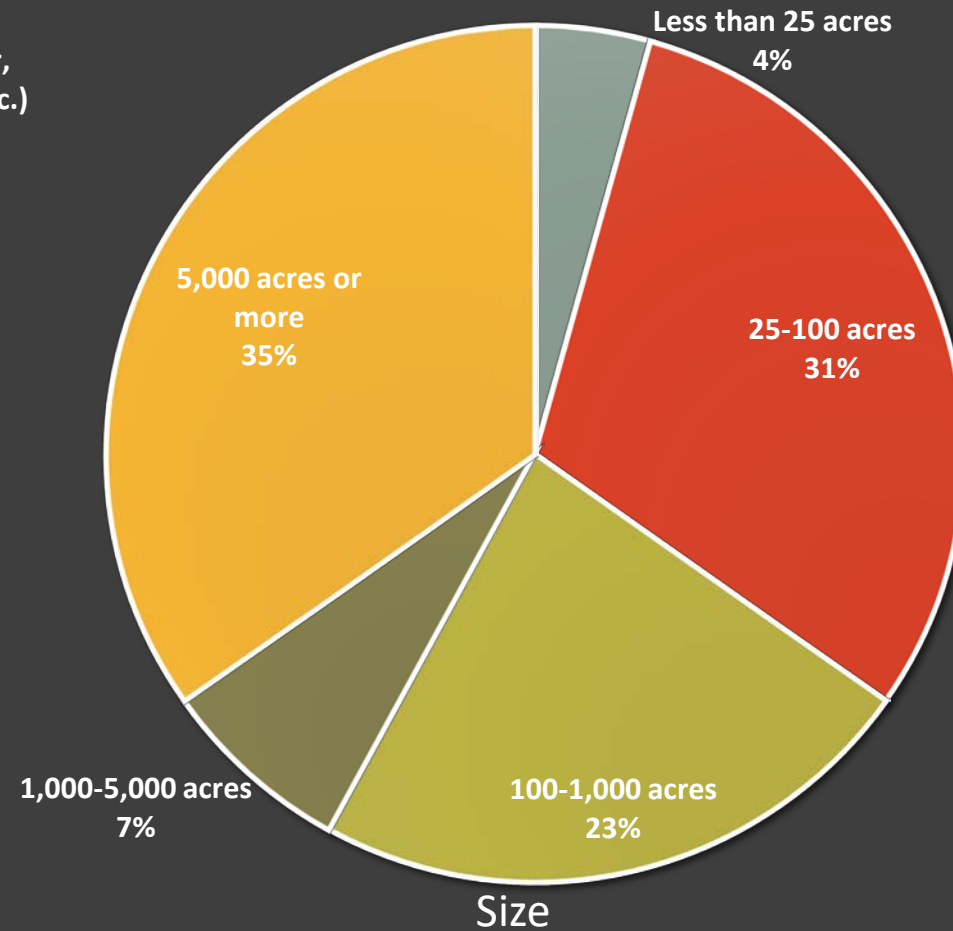
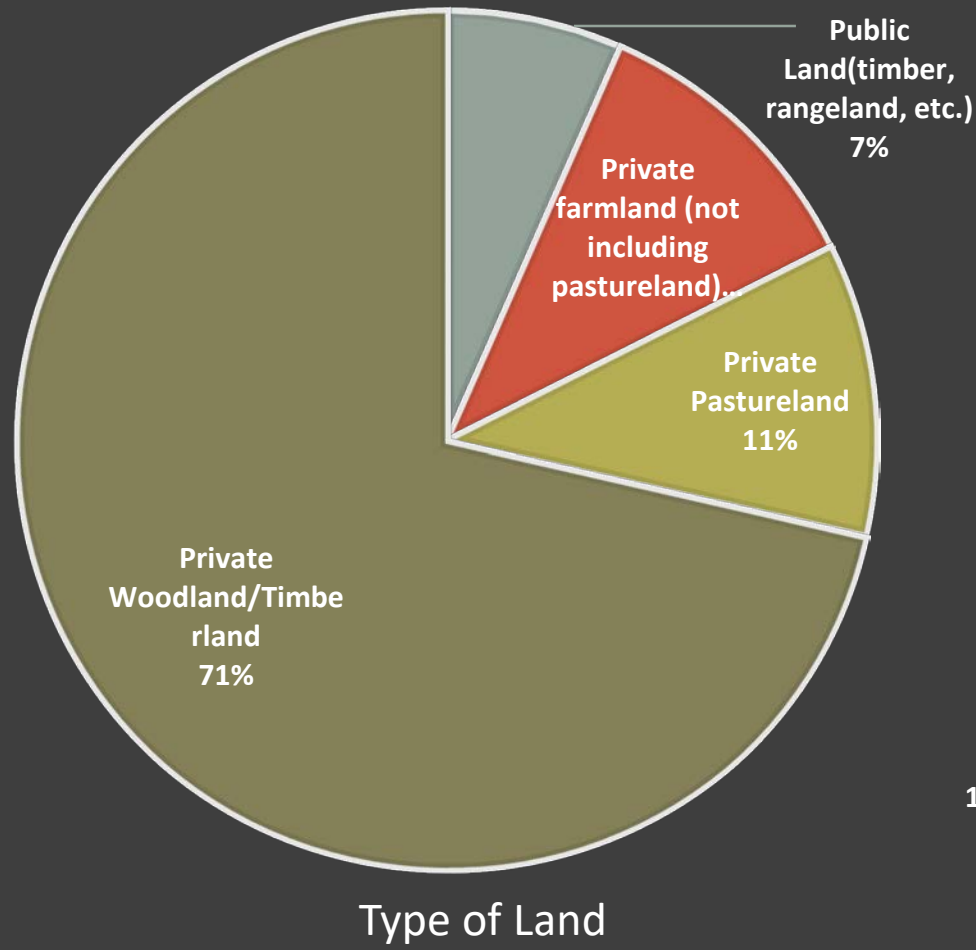
Agriculture: Barriers to incentive program enrollment



Forest landowners/land managers

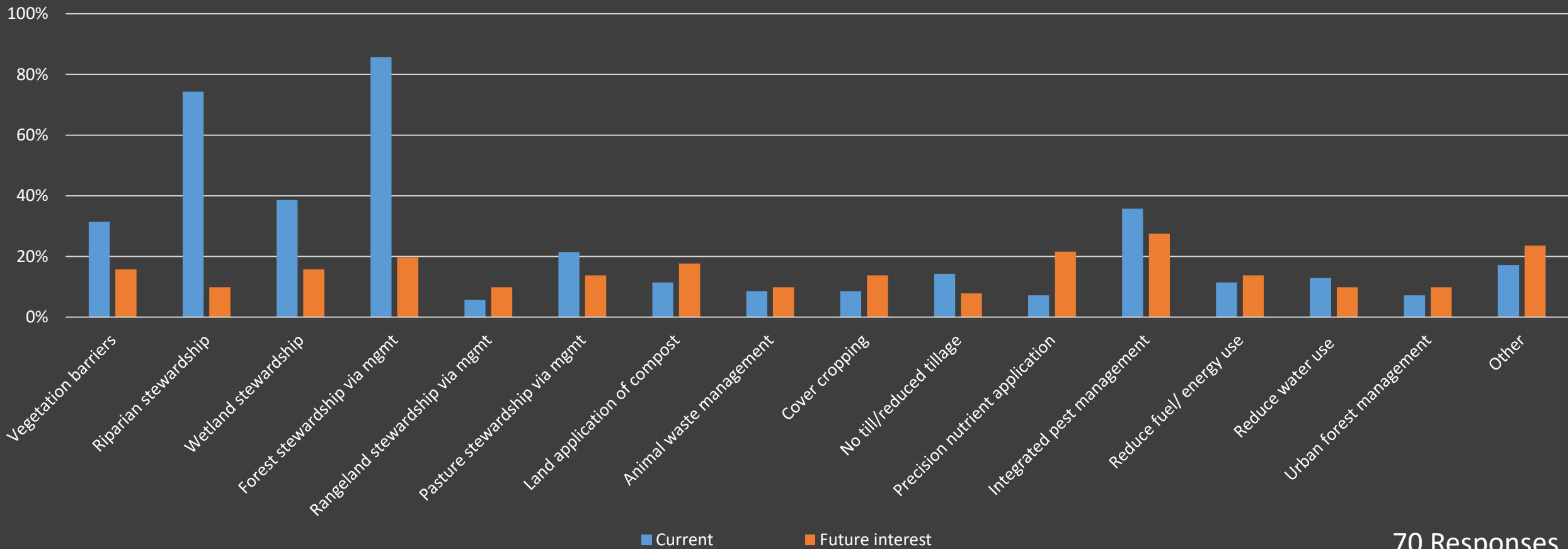
SUMMARY OF RESPONSES RECEIVED FROM TARGETED OUTREACH
SURVEY

Forest landowners and land managers: Size and type of land



70 Responses

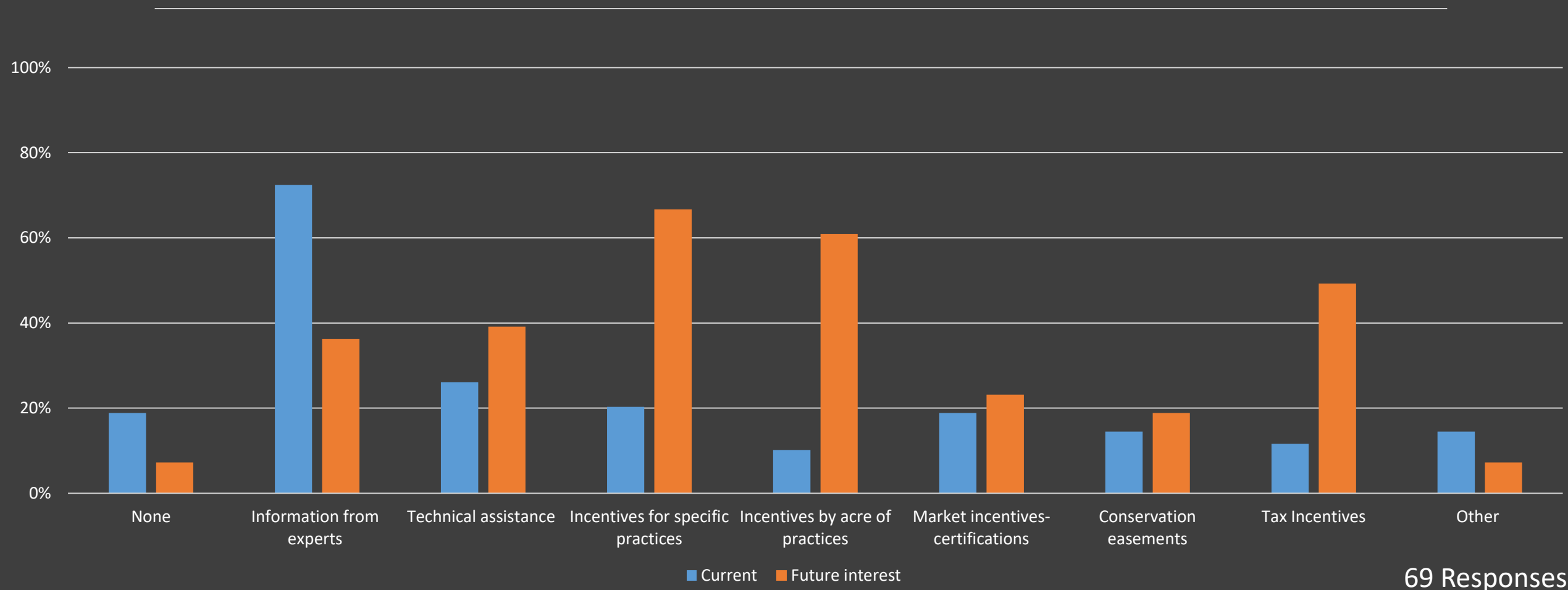
Forest: (1) Current conservation practices and (2) Additional future interests



70 Responses

(1) Which of the following conservation practices are you currently implementing on your land? (2) Which of the following practices are you currently NOT implementing on your land, but are interested in utilizing in the future? Select all that apply.

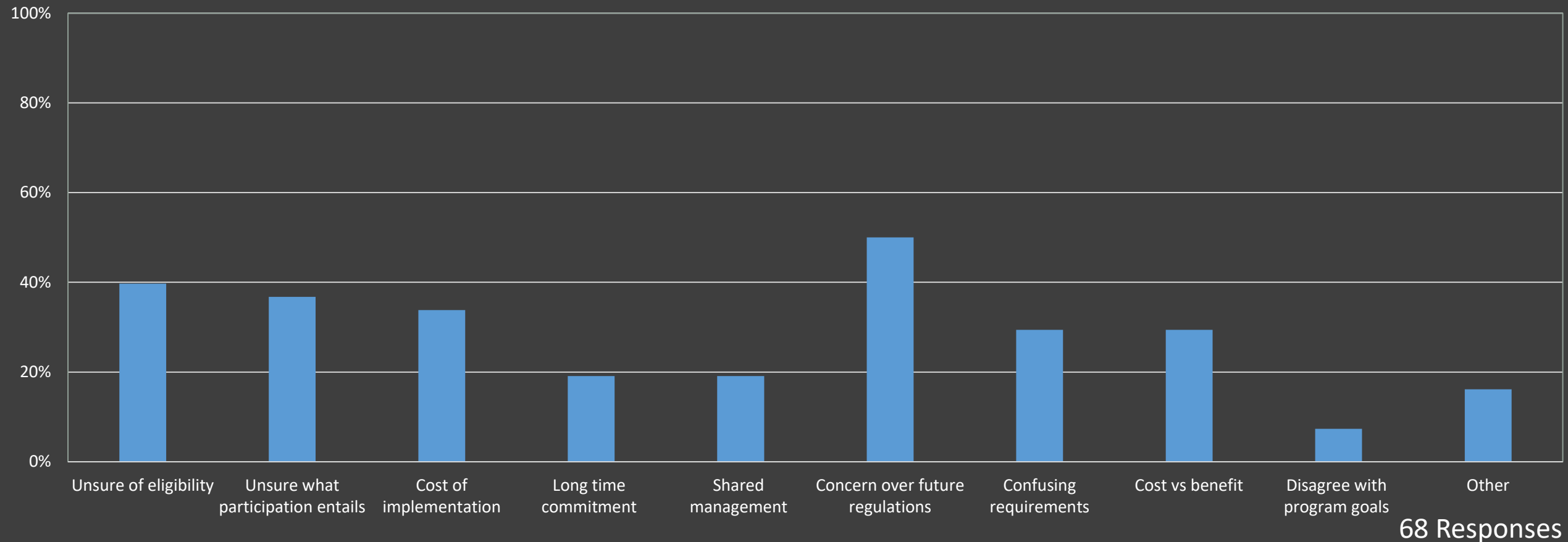
Forest: (1) Current incentives utilized and (2) Additional future interests



69 Responses

(1) Which of the following incentives are you currently using? (2) Which of the following incentives, if provided, would help motivate additional practices? Select all that apply.

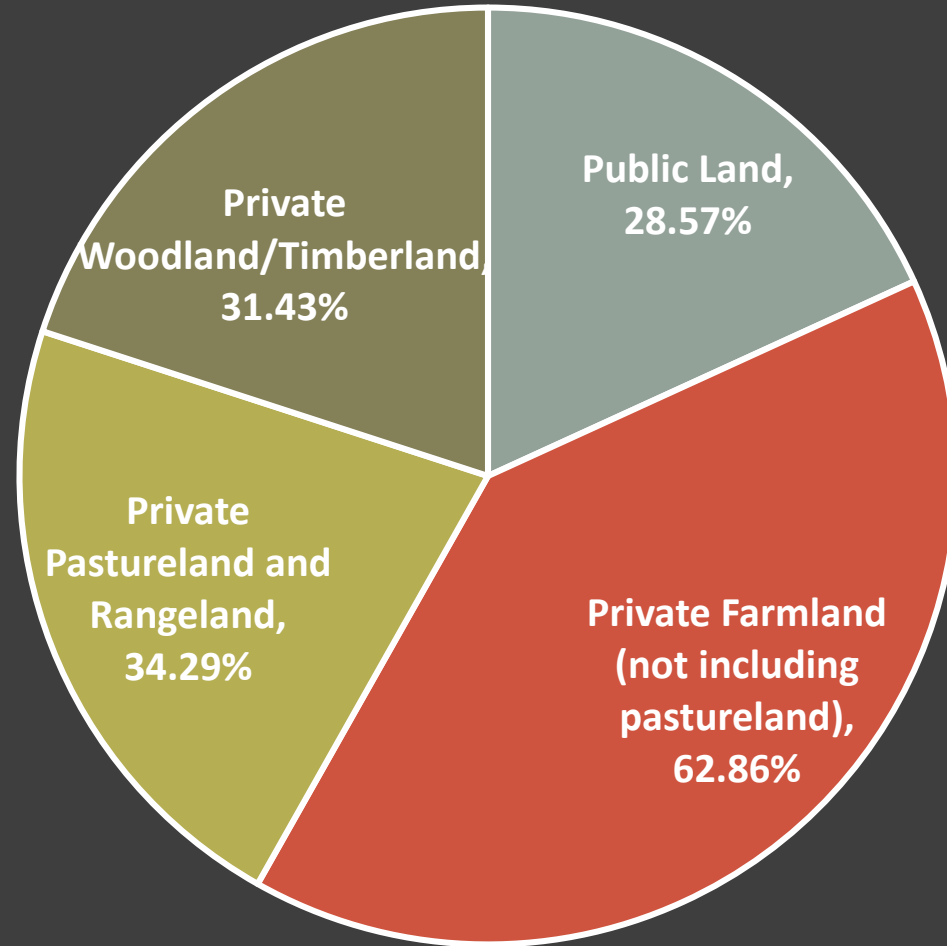
Forest: Barriers to incentive program enrollment



Agriculture and Forest Landowner Interest Groups

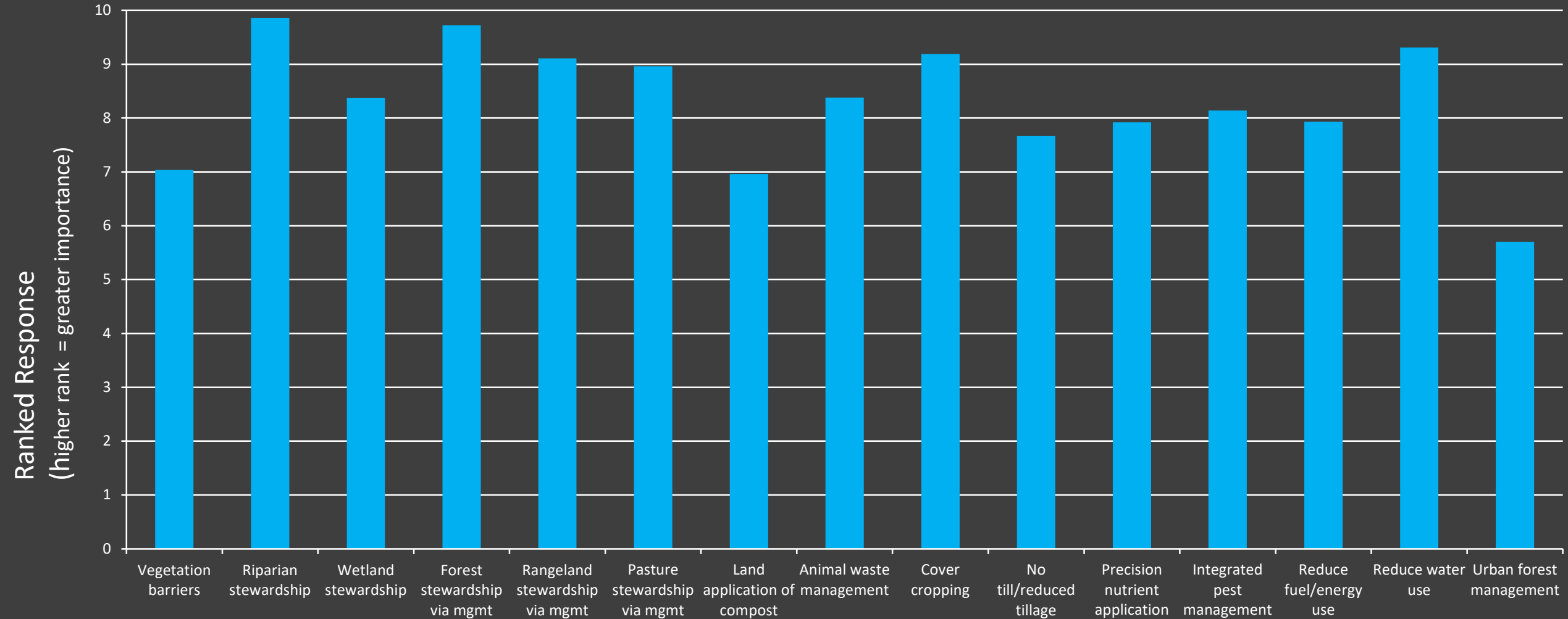
SUMMARY OF RESPONSES RECEIVED FROM TARGETED OUTREACH
SURVEY

Agriculture and Forest Landowner Interest Groups: Types of Landowners Assisted



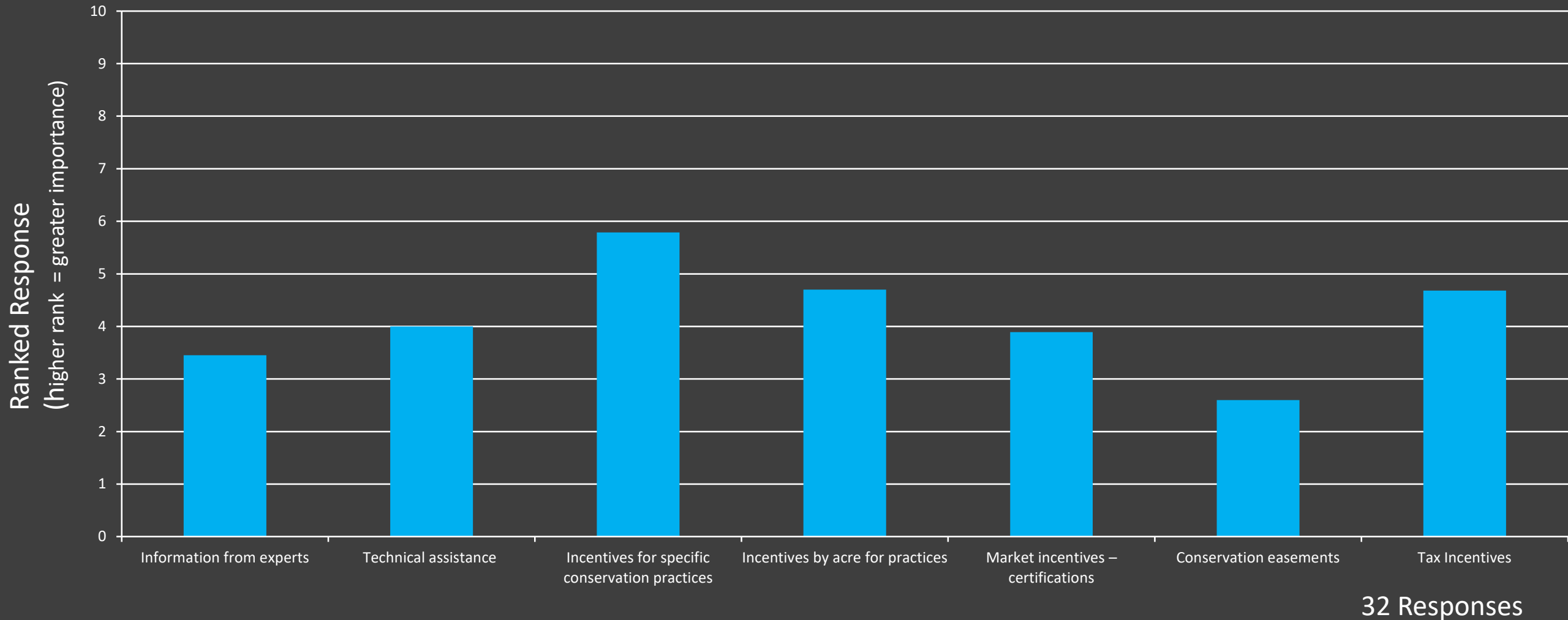
43 Responses

Agriculture and Forest Landowner Interest Groups: Conservation practices important for landowners and managers to implement

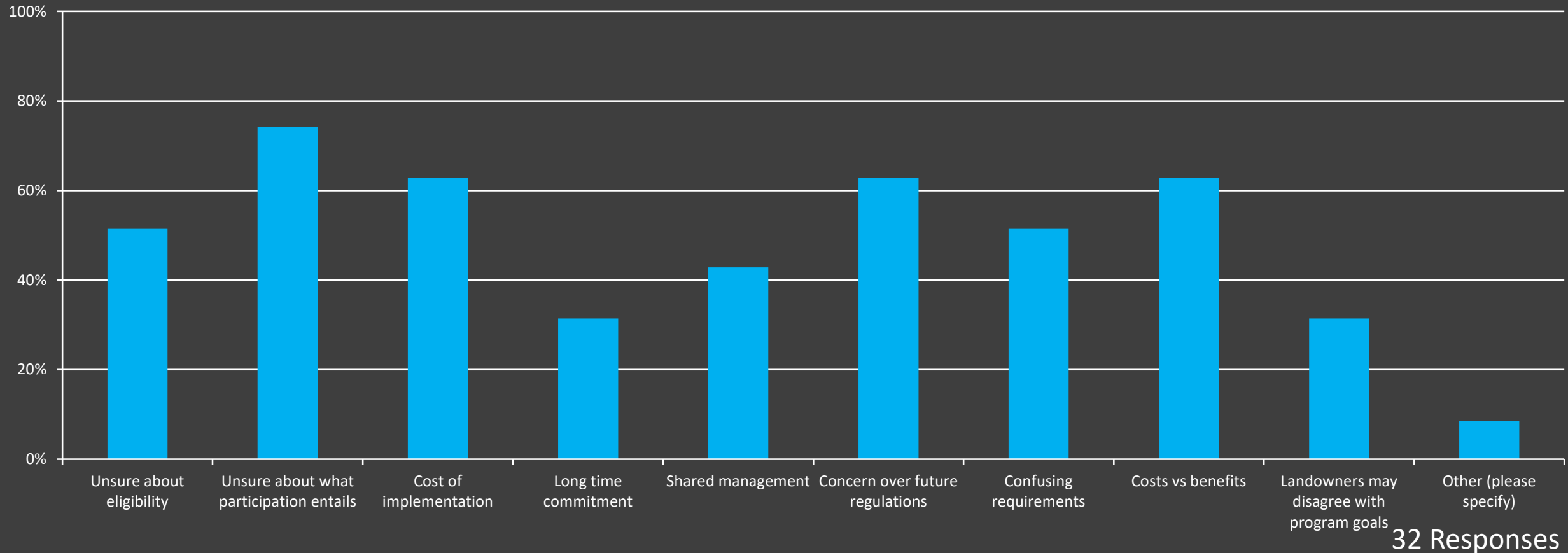


32 Responses

Agriculture and Forest Landowner Interest Groups: Incentive programs landowners and managers could use



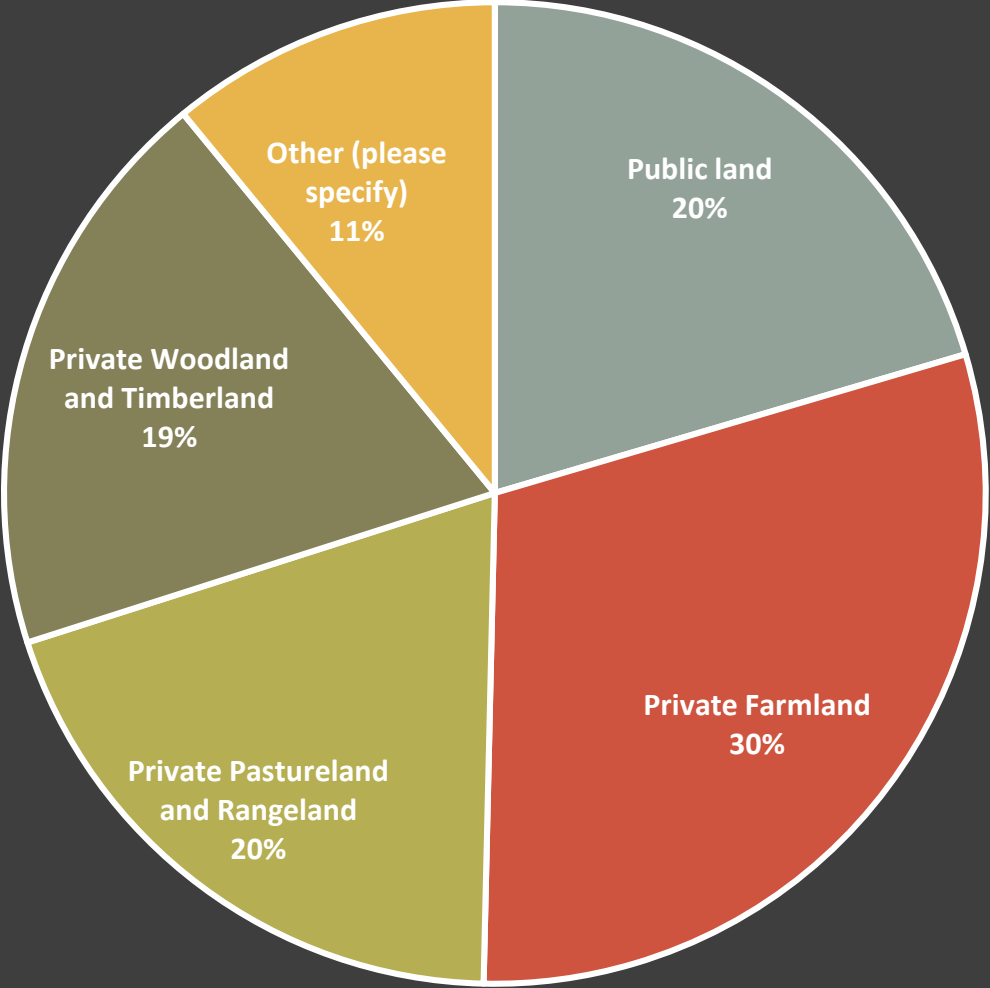
Agriculture and Forest Landowner Interest Groups: Barriers to landowners and managers enrollment in incentive programs



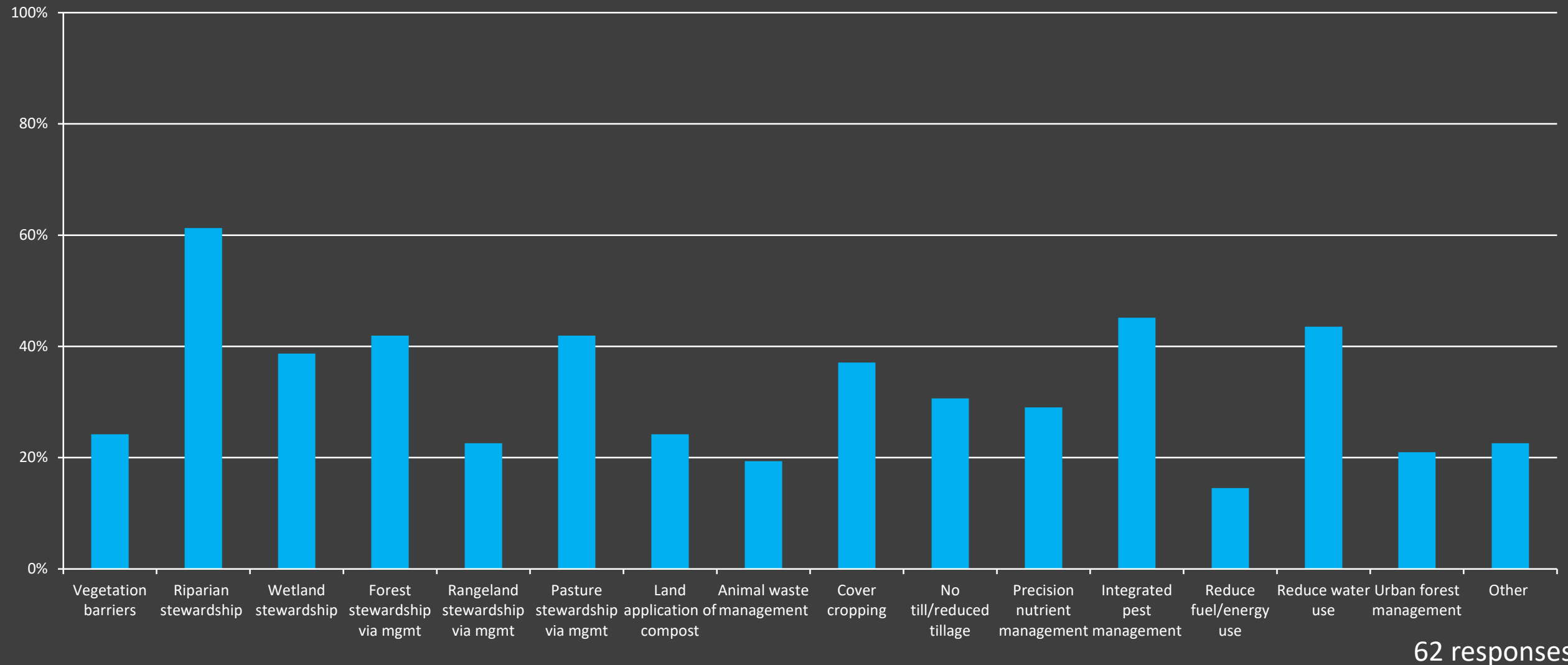
Technical assistance (TA) providers

SUMMARY OF RESPONSES RECEIVED FROM TARGETED OUTREACH
SURVEY

TA Providers: Type of land where assistance is provided

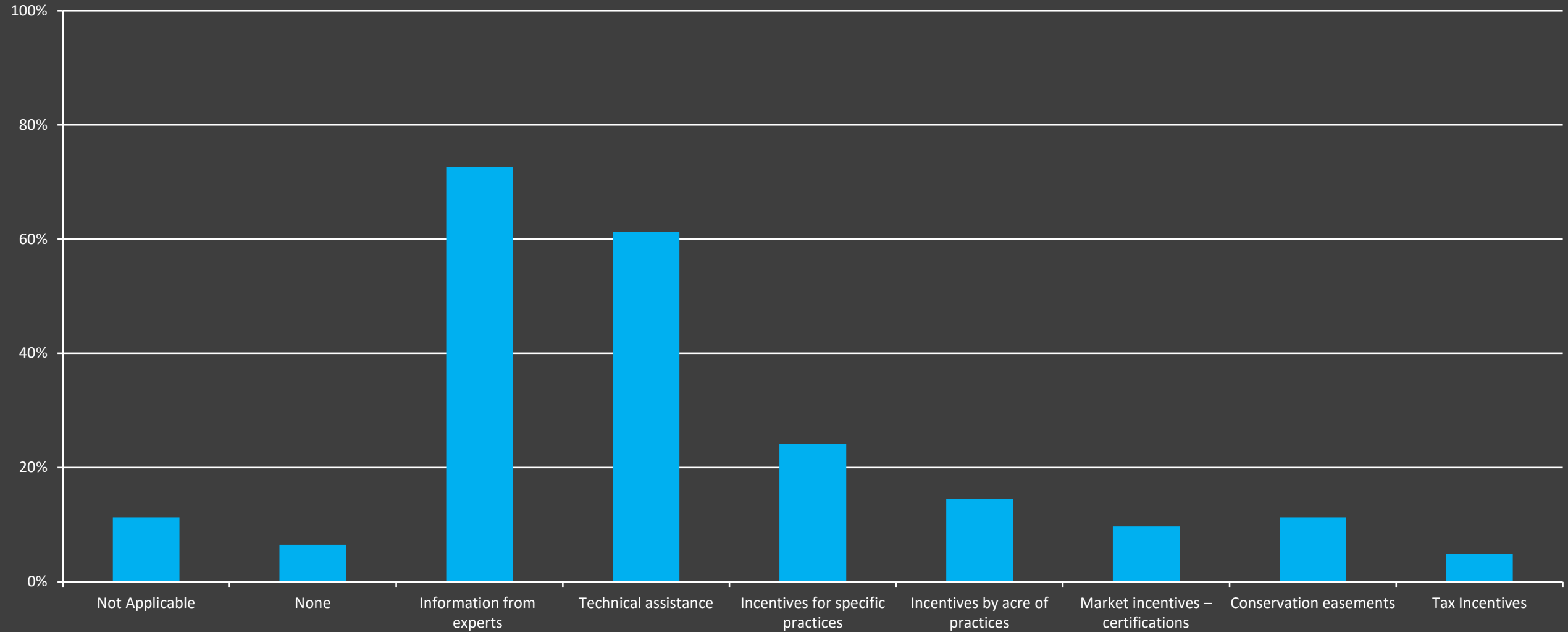


Conservation practices TA providers help landowners and managers implement



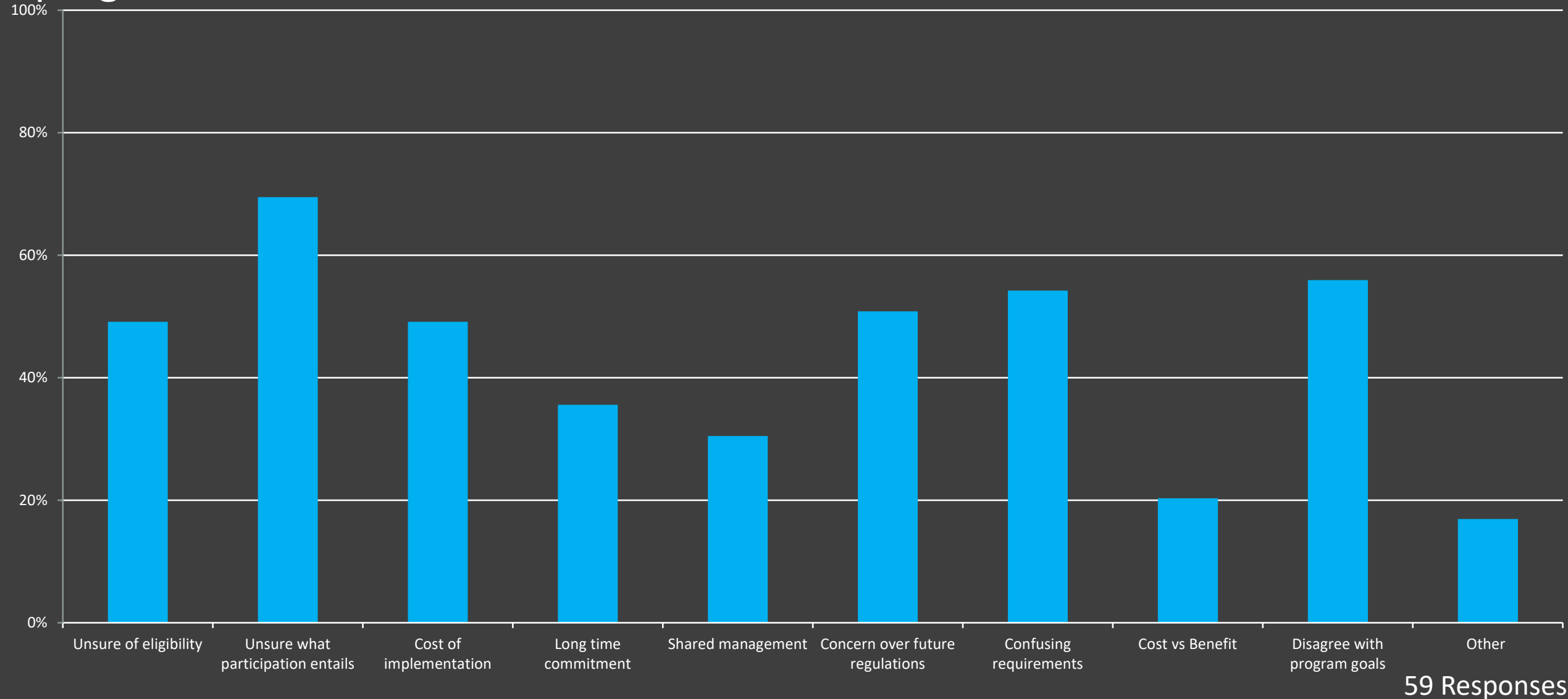
62 responses

Types of incentives offered by TA providers



62 Responses

TA Providers: Observed barriers to landowner/manager enrollment in incentive programs

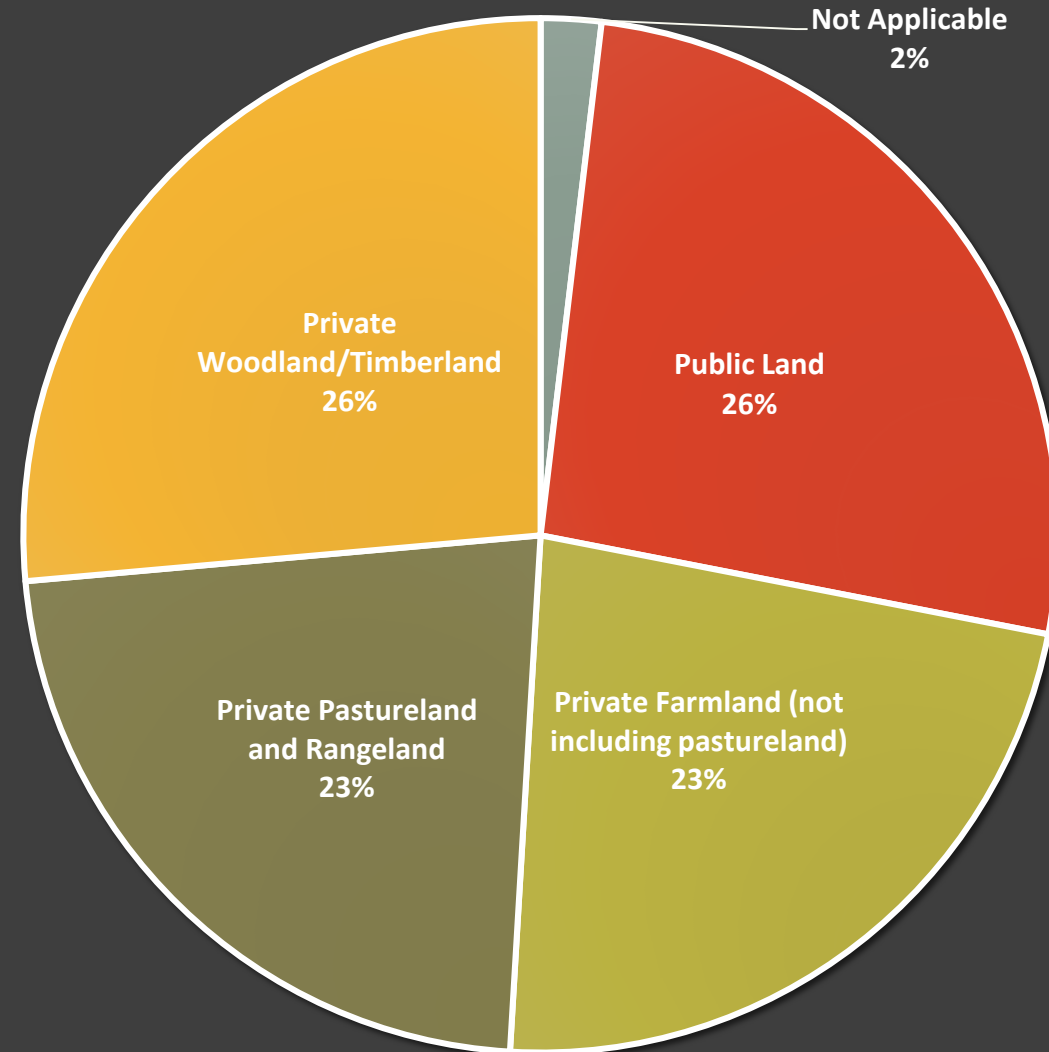


59 Responses

Conservation or Environmental Organizations

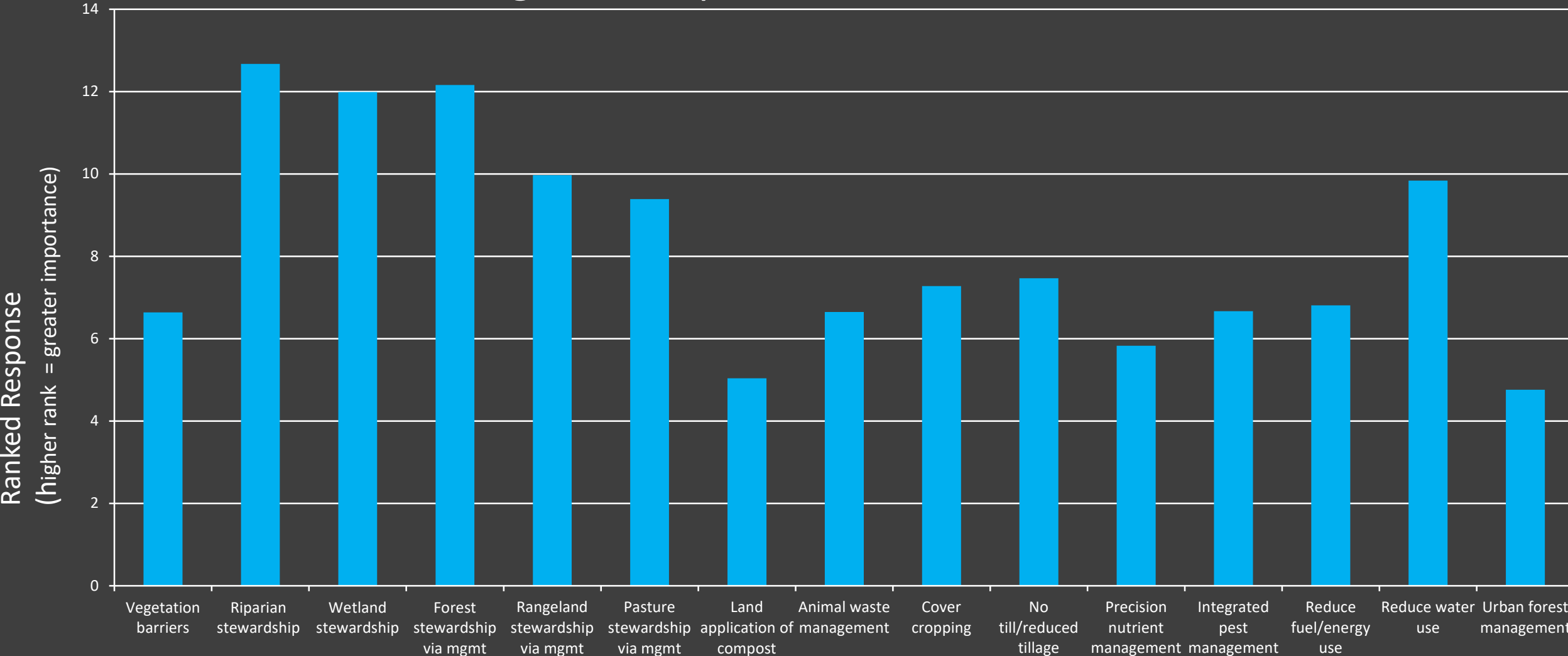
SUMMARY OF RESPONSES RECEIVED FROM TARGETED OUTREACH
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Land type assisted by Conservation or Environmental organizations



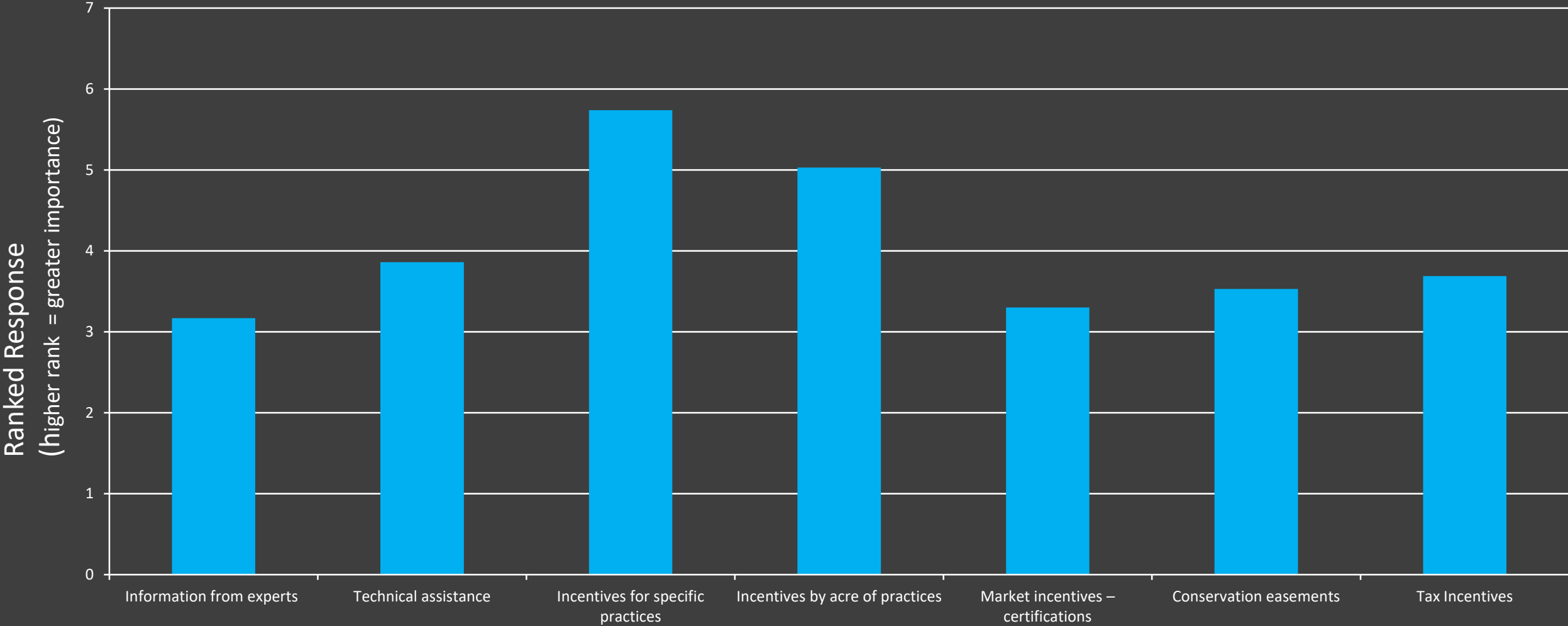
156 Responses

Conservation or Environmental Organizations: Conservation practices important for landowners and managers to implement



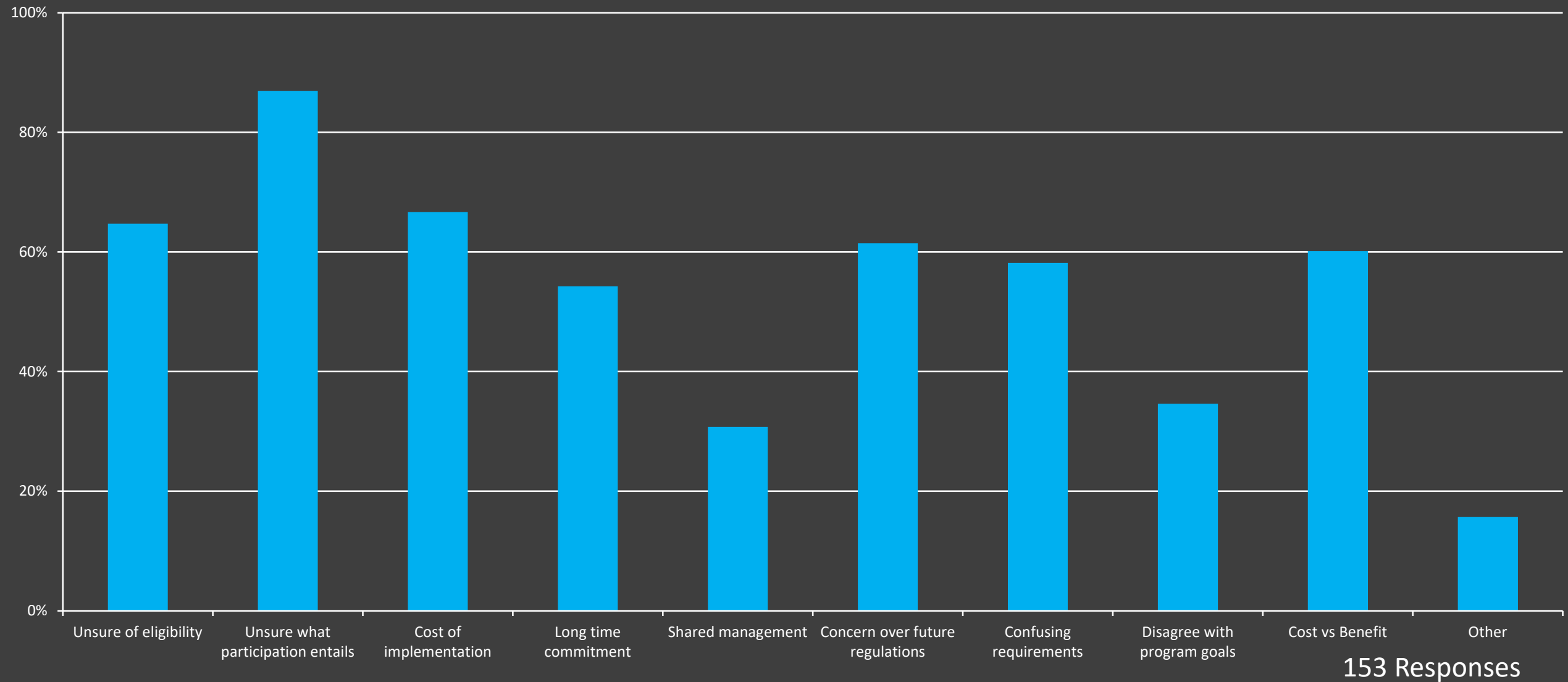
150 Responses

Incentives for landowners and managers ranked in order of importance by Conservation or Environmental organizations



152 Responses

Barriers to landowner and manager Involvement observed by Conservation or Environmental organizations



Analysis of responses to open-ended questions

COMPLETED APRIL 23, 2021

Narrative response questions

Question 1:

In addition to the incentives and practices identified in previous questions, **what other actions should the state consider** for reducing emissions and increasing sequestration on Natural and Working Lands?

Total responses: 409

Question 2:

What other considerations should the state use in designing policies and programs for reducing emissions and increasing sequestration on Natural and Working Lands?

Total responses: 380

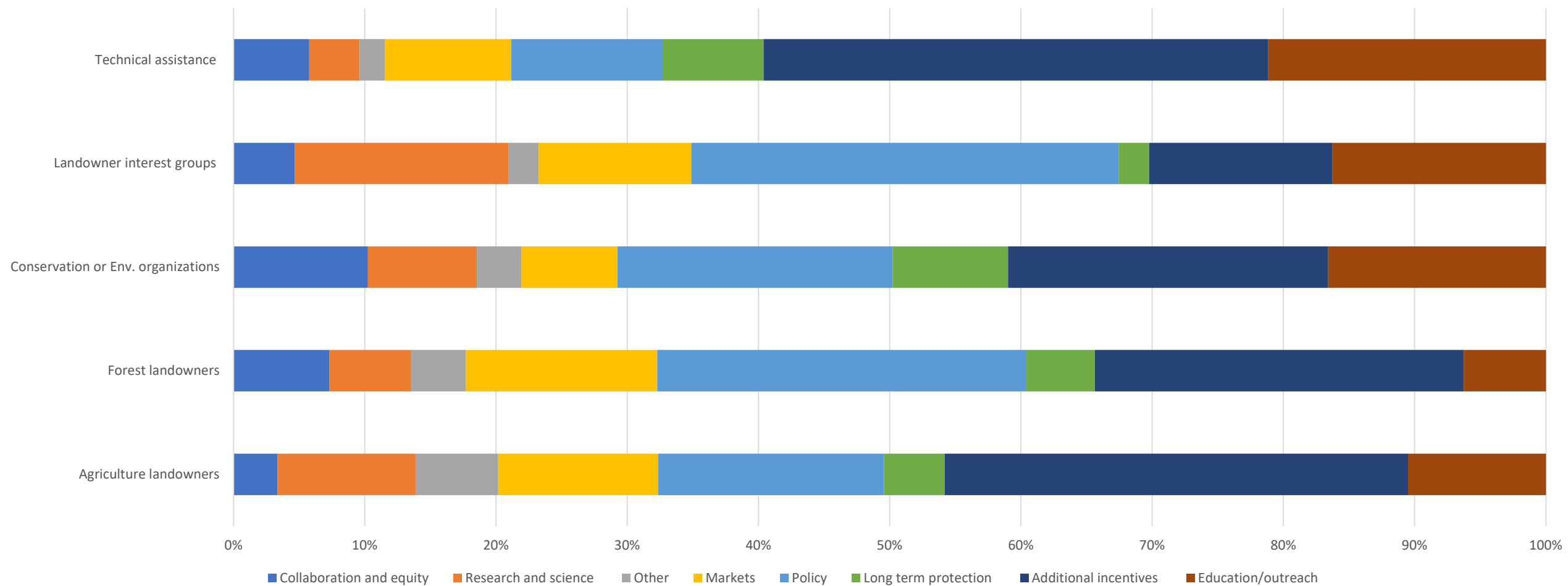
Narrative survey analysis process

- Themes in the following slides were formulated using an inductive, qualitative approach (Maxwell 2013)
- Responses were categorized into common theme groupings that represented the range of recommendations offered
- A common set of themes were used across all participant groups for each of the two questions
- Bar charts visually compare response sets between all groups. This gives insight on common and differing viewpoints between groups
- Additional slides show how response categories were grouped under each theme, and include representative quotes

Maxwell, J. (2013) Qualitative Research Design: An Interactive Approach. 3rd Edition. Applied Social Research Methods Series. Sage Publishing.

Question: In addition to the incentives and practices identified in previous questions, **what other actions should the state consider** for reducing emissions and increasing sequestration on Natural and Working Lands?

Proportion of reported considerations suggested: By response group



Theme: Additional incentives

Includes responses related to:

- Incentives that work for all owners/working lands
- Recognition
- Investments in community forest and agriculture
- Energy assistance

** Almost 30% of respondents listed this theme as a consideration*

“Consider ways to enhance existing incentive programs or directly pay producers on working lands for sequestration based on best management practices”

– Technical assistance provider respondent

“Making technical and financial help more accessible. Maybe outreach to smaller farms. We have been told our 43 acres make us too small for some programs.”

– Agricultural landowner respondent

Theme: Policy

Includes responses related to:

- Land use laws
- Improving or enforcing the Forest Practices Act
- Other regulatory actions

**Over 20% of respondents listed this theme as a consideration*

“Update State Land Use Planning Goals to reflect climate change initiatives, racial equity and environmental justice”

– Forest landowner respondent

“Adjust management regulations to encourage sequestration. Agriculture and Forestry emissions should be included within the DEQ category of 'regulated' emissions so they can be incorporated into state programs to reduce emissions.”

– Conservation or Environmental organization respondent

Theme: Education and outreach

Includes responses related to:

- Demonstration, education and outreach
- Importance of technical assistance
- Technical assistance capacity building and grants

**13% of respondents listed this theme as a consideration*

“Viable soil health program development; help establish a baseline for comparison when using incentive programs; support and assist in funding technical services to promote the programs through SWCDs, OSU Extension, etc.”

– Conservation or Environmental organization respondent

“State-funded technical assistance grants to expand the soil carbon and GHG emission reduction skillset and capacity of local soil & water conservation districts and NRCS staff to deliver technical assistance to individual landowners.”

– Landowner Interest group respondent

Theme: Markets and Supply Chain

Includes responses related to:

- Markets and certifications
- Carbon and other ecosystem markets

**Almost 11% of respondents listed this theme as a consideration*

“Developing local/regional food systems that keep more of our agricultural products here for local/regional use (this includes aggregation, distribution and warehousing of farm products, and providing cost shares/subsidies to help get local/regional food products into schools, hospitals, nursing homes, and other institutions).”

– Agricultural landowner respondent

Theme: Research and Science

Includes responses related to:

- Research and data development
- Technology advances
- Indigenous knowledge

**9% of respondents listed this theme as a consideration*

“Soil Health Inventory: Comprehensive report covering current implementation of soil health practices, past successes and challenges by region, mapping of state of our soils, impacts on water quantity and quality, and estimates of possible future carbon sequestration on agricultural lands”

- Landowner Interest group respondent

“Have technical experts and climate scientists provide prioritized recommendations for the most effective methods (bang for the buck) for reducing emissions and increasing sequestration. These recommendations can then be implemented, as appropriate, by conservation organizations.”

– Conservation or Environmental organization respondent

Theme: Collaboration and Equity

Includes responses related to:

- Opportunities for collaboration/participation
- Collaboration with tribes
- Diversity, equity and inclusion

**6.5% of respondents listed this theme as a consideration*

"Public and Federal lands need more help and conservation measures than private lands. Consider working with state and federal agencies to change their policies in order to align with what these goals are."

– Conservation or Environmental organization respondent

"Partner with Indigenous groups on all of these, and use Indigenous ways of knowing for land stewardship"

– Forest landowner respondent

Long term protection

Includes responses related to:

- Easements or fee land protection
- Protection of blue and teal carbon sources

**6% of respondents listed this theme as a consideration*

“Prioritize acquisition, conservation, restoration of lands and habitats that hold the most potential storing/sequestering carbon (extra points for lands/habitats critical to threatened/endangered native species.”

- Technical assistance group respondent

“Non-permanent conservation easements retention of all submerged lands -OR- reduced sale/ incentives to adjacent landowners with permanent conservation easements for retention (important sequestration of carbon in these locations).”

- Agricultural landowner respondent

Theme: Other

Includes responses related to:

- Broad societal issues including:
 - population control
 - government overreach
 - Consumerism

** 4% of respondents listed this theme as a consideration*

“License plate program similar to the Colorado “Go Carbon Neutral.” Proceeds from that program help to support GHG reduction projects”

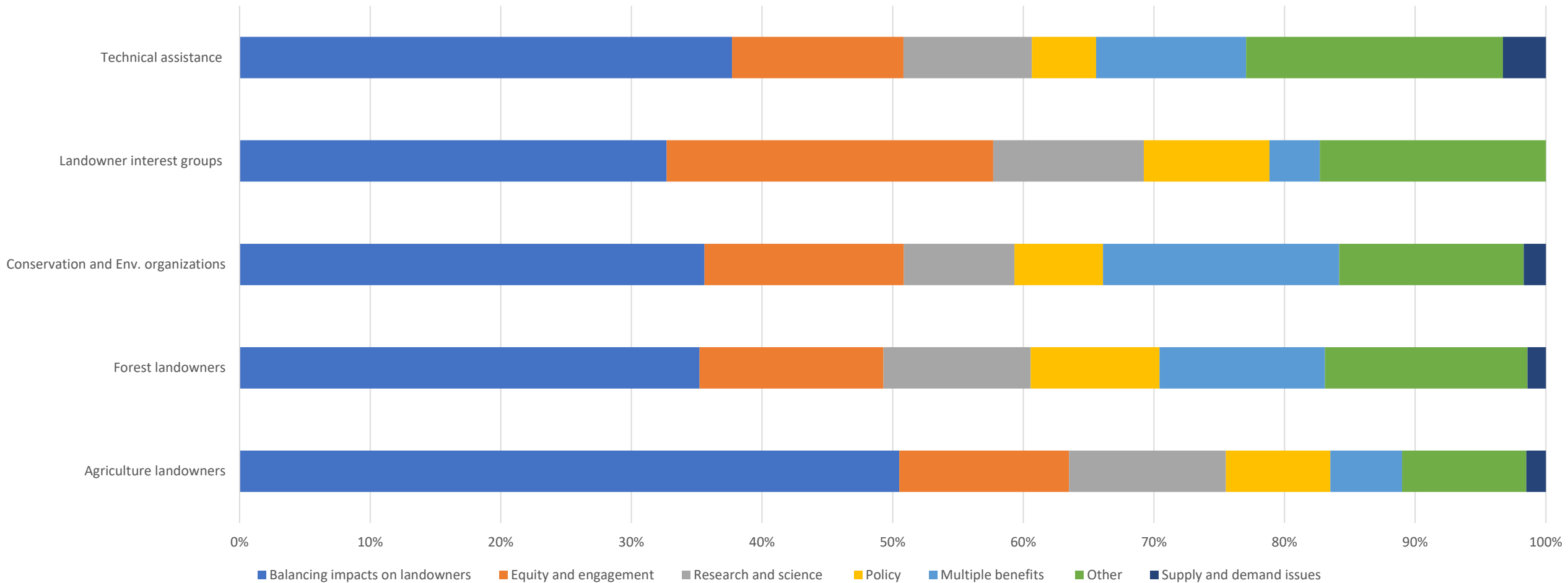
- Technical assistance group respondent

“Corporate sponsorship so companies can lay claim upon the specific forests that offset their carbon, e.g. “The Nike Zero Carbon Forest at Shenandoah Farm and Ranch.”

– Conservation or Environmental organization respondent

Question: What other considerations should the state use in designing policies and programs for reducing emissions and increasing sequestration on Natural and Working Lands?

Proportion of reported considerations reported: By response group



Theme: Balancing impacts on landowners

Includes responses related to:

- Cost, economic impacts and landowner profitability
- Recognition and reward
- Balance of the “carrot and stick” approach
- Needs of operations of different sizes
- Ease of implementation and overall practicality
- Landowner privacy
- Indigenous land use and access

** 41% of respondents listed this theme as a consideration*

“The majority of landowners do an awesome job in reducing emissions and increasing sequestration. The State needs to realize our existence of good land stewards.”

- Agricultural landowner respondent

“Smaller farms and forests need a different framework for how to thoughtfully participate. Consider a regulatory requirement/framework and effective enforcement.”

- Technical assistance group respondent

Theme: Equity and Engagement

Includes responses related to:

- Diversity, equity and inclusion
- Involve landowners in decision making
- Education
- Tribal collaboration

** 15% of respondents listed this theme as a consideration*

“Have a panel of farmers and ranchers come up with programs that are practical for a different range of agricultural operations.”

– Agricultural landowner respondent

“Landowners need to understand that climate impacts are happening NOW (not in the future) and to THEM directly. The first step should be to have an outreach campaign showing that and asking them (and everyone) to be part of the solutions both voluntarily and through incentives.”

- Forest landowner respondent

Theme: Other

Includes responses related to:

- Health and safety of Oregonians
- Future generations and long-term benefits
- Cumulative effects
- Impacts on the size of government
- Recognize conflicting opinions
- Needs of rural vs. urban areas

** 13.5% of respondents listed this theme as a consideration*

"With all the recent fires, many of my neighbors are cutting trees to minimize fire danger. The state should try to reduce the fire danger unmanaged public forests pose to private landowners"

- Forest landowner respondent

"The land use program, if enforced and upheld, prevents the paving of working and natural landscapes, providing climate and quality of life benefits."

- Conservation or Environmental organization respondent

Theme: Multiple benefits

Includes responses related to:

- Co-benefits
- “Bang for the buck”
- Potential to leverage federal programs
- “Highest and best use of land”

** 11% of respondents listed this theme as a consideration*

“How to enable and strengthen land and water management practices in the process of attaining these reductions/increases.”

- Agricultural landowner respondent

“Make sure farm/forest land remains farm/forest land. Concrete and structures sequester 0.”

- Forest landowner respondent

Theme: Research and science

Includes responses related to:

- Science
- Data driven management
- Indigenous knowledge

** 10.5% of respondents listed this theme as a consideration*

“Application of scientific research to changing standards of forest management that promote healthy biodiverse, climate change resilient forests, and an end to support for monocrop forests and short rotation clear cutting.”

- Forest landowner respondent

“The state should utilize accurate and complete life cycle analyses to fully vet the net positive and negative effect of different sectors, practices, and policies when determining how to develop and apply goals, standards, and requirements. They should also ensure their policies are equitable.”

- Landowner Interest group respondent

Theme: Supply and demand issues

Includes responses related to:

- Supply and demand issues

** 2% of respondents listed
this theme as a
consideration*

*“As much as possible, reduce the amount
of transporting of resources by
encouraging local processing and use.”*

*- Conservation or Environmental organization
respondent*

*“Consider the supply/demand chain
within which producers are one small
link. Often it may be the demand of
consumers for cheap and easy to prepare
foods that restrict producers' ability to
balance financial viability with
environmental stewardship.”*

- Agricultural landowner respondent

Theme: Policy

Includes responses related to:

- Support during management transitions
- Potential impacts on “leakage”

** 8% of respondents listed this theme as a consideration*

“Be careful, do not design policies that will drive agriculture out of the state or out of the country. We need to keep our food and fiber production as local as possible.”

- Agricultural landowner respondent

“Investing in wildfire prevention measures will help reduce emissions, as wildfires released the majority of the carbon for 2020. This could include offering incentives for actively managing forests, grant money for small landowners, and considering the effects on forest management when considering changes to policy”

- Forest landowner respondent