| | |
|---|---|
| **From:** | Smith, David |
| **To:** | Converse, Sarah |
| **Cc:** | Norman, Kate; Steven Morey |
| **Subject:** | Re: GSG 2015, Presentation for Tomorrow"s briefing |
| **Date:** | Tuesday, May 06, 2014 2:51:48 PM |
| **Attachments:** | 20140507_GSG_SDM_Briefing_ver3.pptx |

---

try this on for size

David R. Smith
USGS - Leetown Science Center
11649 Leetown Road
Kearneysville, WV 25430
drsmith@usgs.gov
304-724-4467
https://profile.usgs.gov/drsmith

On Tue, May 6, 2014 at 4:49 PM, Converse, Sarah <sconverse@usgs.gov> wrote:

> An additional comment is that "Potential SPR" is really a part of the modeling (slide 3) so I would eliminate it - but I realize some of the RDs may not realize that or think about it like that, so leave it if you feel necessary.
>
> Also, see the couple super picky things that I'd put on Slide 5.
>
> And I think Dave and I reached some consensus on Slide 8 - change: Climate Change to "Future Temporal Changes (due to climate change, energy development, etc.)."
>
> Sarah
>
>
>
> On Tue, May 6, 2014 at 4:35 PM, Norman, Kate <kate_norman@fws.gov> wrote:
>
>> Here are my attempts to address these changes.
>>
>> With regard to Species Needs... Does the current version pretty much cover the species needs? Or is there something else we'd want to include (e.g. genetic diversity)?
>>
>> Thanks,
>> K
>>
>>
>>
>>
>>
>> On Tue, May 6, 2014 at 3:08 PM, Smith, David <drsmith@usgs.gov> wrote:
>>
>>> Sarah,
>>>
>>> On slide 8, climate change could affect threats (e.g., fire frequency) directly or habitat (e.g., increased summer precip changing veg community). Also, climate change is in the minds of the DMs as an elevated issue for various reasons. The rational for

Aldridge's Powell Center proposal is to evaluate the extent that the conservation plans have taken climate change into account. I think if we did not have climate change explicit identified in the influence diagram, it would stand out as an omission.

Also, on slide 8, how about we revise to read "Sagebrush habitat (quantity, quality, and connectivity)"?

David R. Smith
USGS - Leetown Science Center
11649 Leetown Road
Kearneysville, WV 25430
drsmith@usgs.gov
304-724-4467
https://profile.usgs.gov/drsmith

On Tue, May 6, 2014 at 2:56 PM, Converse, Sarah <sconverse@usgs.gov> wrote:

Sorry guys.

On Tue, May 6, 2014 at 2:20 PM, Converse, Sarah <sconverse@usgs.gov> wrote:

Hi Kate and Dave, thanks so much for putting this together. My comments are embedded. Let me know what questions you have.

Thanks,
Sarah

On Tue, May 6, 2014 at 11:43 AM, Norman, Kate <kate_norman@fws.gov> wrote:

Here's the revised presentation for tomorrow.

I've also posted it to SharePoint just for reference :)

K

--
Kate Norman
Sage-Grouse Project Manager
U.S. Fish and Wildlife Service, Headquarters
4401 N. Fairfax Dr., Rm 420
Arlington, VA 22203
Work: 703-358-1871
Mobile: 703-927-2445
kate_norman@fws.gov

--
Sarah J. Converse
Research Ecologist
USGS Patuxent Wildlife Research Center
12100 Beech Forest Road
Laurel, MD 20708 USA
Ph: 301.497.5635
Fax: 301.497.5545
http://profile.usgs.gov/professional/mypage.php?name=sconverse
http://scholar.google.com/citations?user=6L7ykH4AAAAJ&hl=en

--
Sarah J. Converse
Research Ecologist
USGS Patuxent Wildlife Research Center
12100 Beech Forest Road
Laurel, MD 20708 USA
Ph: 301.497.5635
Fax: 301.497.5545
http://profile.usgs.gov/professional/mypage.php?name=sconverse
http://scholar.google.com/citations?user=6L7ykH4AAAAJ&hl=en

--
Kate Norman
Sage-Grouse Project Manager
U.S. Fish and Wildlife Service, Headquarters
4401 N. Fairfax Dr., Rm 420
Arlington, VA 22203
Work: 703-358-1871
Mobile: 703-927-2445
kate_norman@fws.gov

--
Sarah J. Converse
Research Ecologist
USGS Patuxent Wildlife Research Center
12100 Beech Forest Road
Laurel, MD 20708 USA
Ph: 301.497.5635
Fax: 301.497.5545
http://profile.usgs.gov/professional/mypage.php?name=sconverse

> http://scholar.google.com/citations?user=6L7ykH4AAAAJ&hl=en

# Greater Sage-Grouse

2015 Status Review

Structured Decision Making & Modeling

Regional Director Briefing

May 7, 2014

# GOALS FOR TODAY:

Structured Decision Making

- General Benefits
- Specific application to Greater Sage-Grouse
  - Context
  - Modeling
  - Decision Making

## ID Geographic Areas
(Spring 2014)
- Potential DPS
- Potential SPR

## Analysis and Evaluation
- Predictive Modeling
- PECE Analysis
- Species Report

Extinction risk

## Risk Tolerance
- Informed by Policy

## Status Determination
(April 2015)
- Status
- Listable Entities

End. → Critical Habitat

Threat. → Critical Habitat

Threat. → 4d (possible)

Threat. → **Not Warranted**

## ID Geographic Areas
(Spring 2014)
- Potential DPS
- Potential SPR

## Analysis and Evaluation
- Predictive Modeling
- PECE Analysis
- Species Report

Extinction risk

## Risk Tolerance
- Informed by Policy

## Status Determination
(April 2015)
- Status
- Listable Entities

End.

Threat.

Critical Habitat

4d (possible)

**Not Warranted**

# Objectives

- **FUNDAMENTAL:**
  - Long-term persistence of greater sage-grouse consistent with the ESA
- **PROCESS:**
  - Maximize scientific soundness
  - Efficient and transparent process
  - A clear rationale for decision making that maximizes legal defensibility
- **STRATEGIC:**
  - Maintain relationships with partners

# Performance Measures (response variables)

- **Resilience of population**
  - Abundance
- **Redundancy at landscape scale**
  - Distribution
- **Representation (measure of adaptive capacity)**
  - Genetic Diversity
  - Geographic Diversity

## ID Geographic Areas

(Spring 2014)

- Potential DPS
- Potential SPR

## Analysis and Evaluation

- Predictive Modeling
- PECE Analysis
- Species Report

Extinction risk

## Risk Tolerance

- Informed by Policy

## Status Determination

(April 2015)

- Status
- Listable Entities

End.

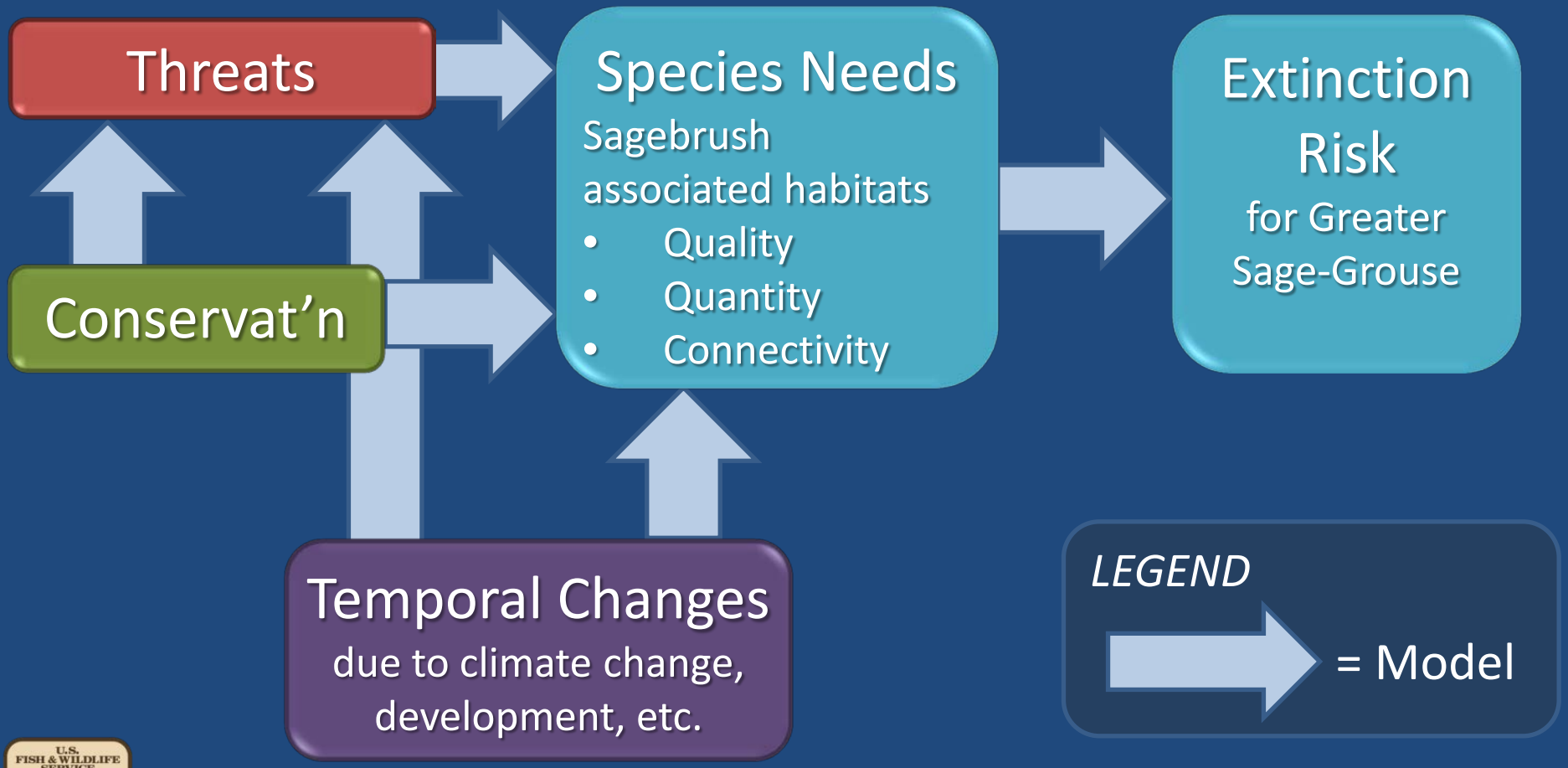
Threat.

Critical Habitat

4d (possible)

**Not Warranted**

# Predictive Modeling



# Predictive Modeling

**June 2014**

Model Building Workshop

**July 2014**

Expert Review of Model

**August 2014**

Expert Elicitation

**Fall 2014, Winter 2015**

Completing Models

## ID Geographic Areas

(Spring 2014)

- Potential DPS
- Potential SPR

## Analysis and Evaluation

- Predictive Modeling
- PECE Analysis
- Species Report

Extinction risk

## Risk Tolerance

- Informed by Policy

## Status Determination

(April 2015)

- Status
- Listable Entities

End.

Threat.

Critical Habitat

4d (possible)

Not Warranted

# Decision Making

- Multiple Day Workshop
- Review of Information
  - Evaluate Uncertainty
  - Model Predictions
- Facilitated Workshop for Decision Makers

# RD Input:

*Is the approach acceptable?*

*Can we proceed with the modeling workshop?*