

Prescribed fire as a management tool

Fire use on military training sites – techniques and applications

Fire as a tool in the land manager’s toolbox

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Content:

I) Who is who and what we do

II) Fire use on military training sites

III) Adapted ignition and burning techniques

IV) Safety and operational concept

V) Opportunities

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Fire ecology – from research to practice



- Fire Management Planning
- Prescribed Burning
 - Nature Conservation
 - Fire Prevention
- Fire Suppression
- Training and certification
- Equipment and techniques

Who is who and what we do

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What is Prescribed Fire?

It is the careful application of fire, under specified fuel and weather conditions, to meet specific resource management objectives and long-term management goals.

What is wildland fire use?

The management of unplanned fires to meet specified resource management objectives and goals

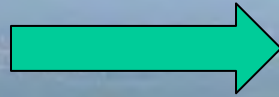


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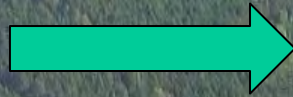


Drover Heide

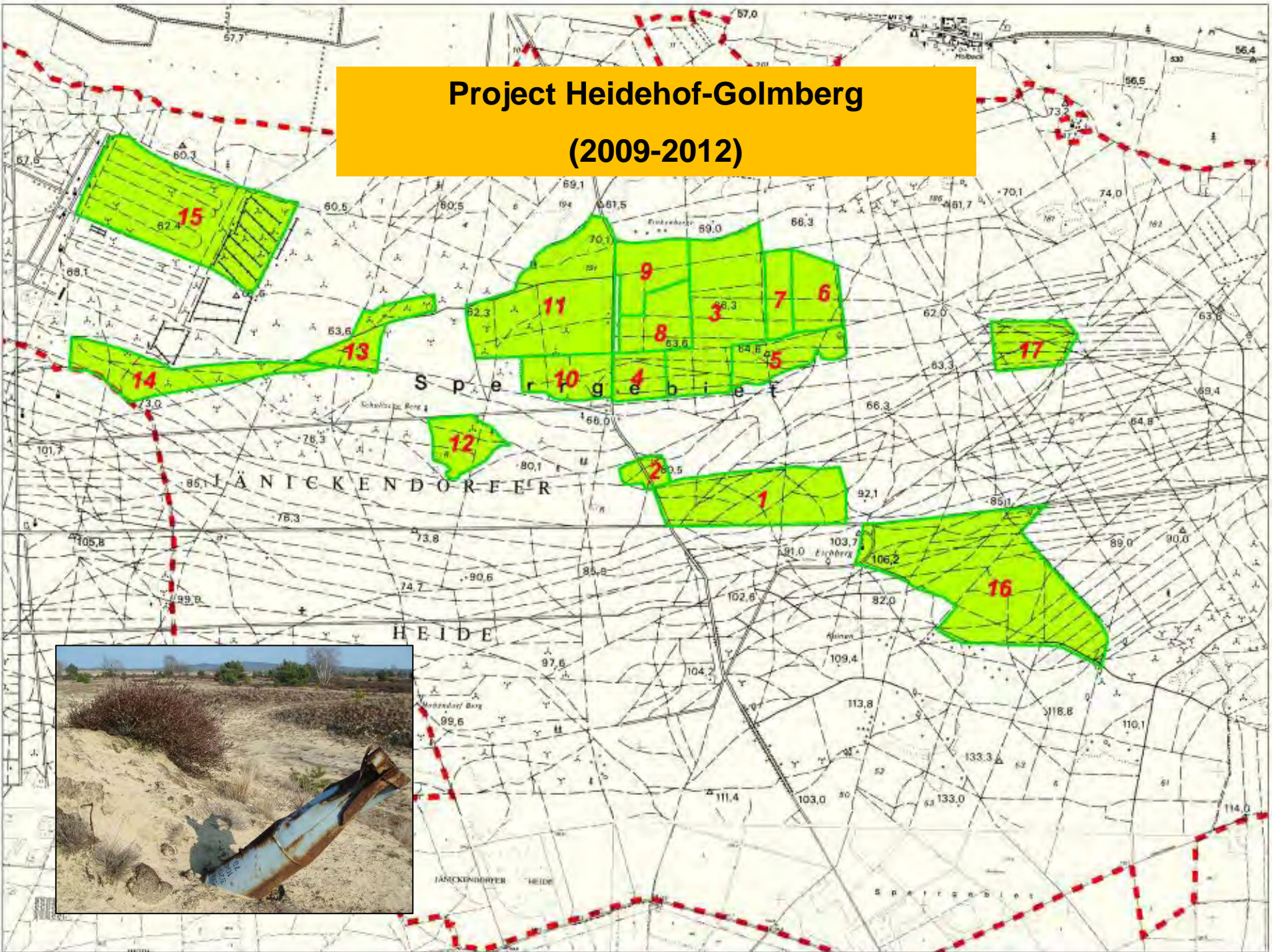
Selected success stories



Selected success stories: Zschorno



**Project Heidehof-Golmberg
(2009-2012)**





**Contaminated Areas – Unexploded
Ordnance UXO
and other nice surprises**

Wildfire on military training site Jüterbog, June 2008

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Implications in Designing Prescribed Fire Regimes for Conservation and Resource Management:

- Applying fire regimes that are too narrow
- Problems of scale: burn – no burn vs. mosaic patch burn
- Distinguishing between restoration and maintenance phases
- Coping with exotics

Challenges

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Restoration Burning vs **Maintenance** Burning

- Restoration involves focused burning with specific objectives for each burn.
- Maintenance calls for variable fire applications within the normal ranges for a given ecosystem.

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Burning procedures on contaminated sites:



- Speed of ignition
- Control of ignition pattern
- Rapid control line construction
- Minimize exposure to shrapnel
- No exposure to explosion

Safety and operational concept

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Different burn objectives:

- Clearing of vegetation – follow up by bomb disposal
- Hot and slow fires to detonate as much UXO as possible

Safety and operational concept

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Control of ignition pattern

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Aerial ignition

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For more information contact our area managers:

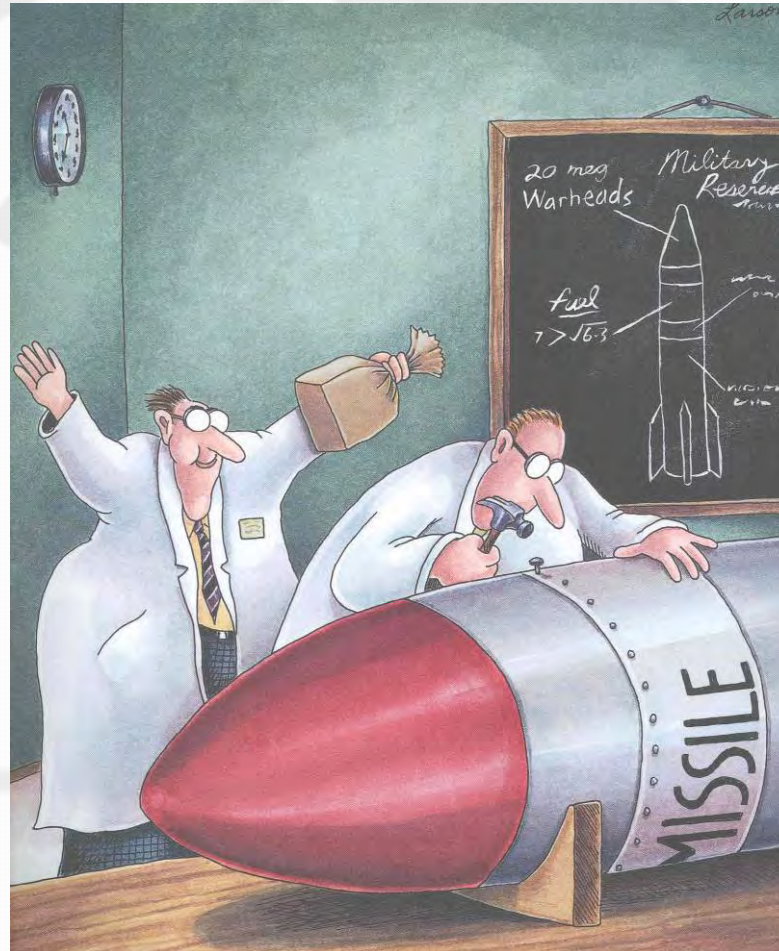
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More questions?



Thanks a lot!