

From Beginning Start Slide Show From Current Slide Start Slide Show Custom Slide Show

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Slides Outline

- Looking Back for a Clear View of the Future: 1999 to 2012
Association for Fire Ecology
5th International Fire Ecology and Management Congress
- Uniting Research, Education, and Management
December 6, 2012
- Looking Back for a Clear View of the Future: 1999 to 2012
Session Background and Goals
- Background - Setting the Stage, Editor's Introduction
Creating the Millenniums:
Integrating Spatial Technologies and Ecological Principles for a New Age in Fire Management
See You at the Conference and Get It Right:
Technical Coordination
Craig Callaway
Managing Editor and Conference Coordinator
Joint Fire Science Conference and Workshop
- Background
Creating the Millenniums: Defining Key Spatial Technologies and Ecological Principles for a New Age in Fire Management
Key Participants
Conference Goals
Key Presentations
Key Volume, Key Paper Proceedings
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Creating the Millenniums: Defining Key Spatial Technologies and Ecological Principles for a New Age in Fire Management
Key Participants
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Key Volume, Key Paper Proceedings
- Background
7 Recommendations to guide JFSP programmatic development:
1. Biological Data and Modeling Frameworks for Landscape-level Management
2. Integrated and Systemic National Approach
3. National Performance Indicators for Managers
4. Improved Technology Development and Transfer
5. Strategic Evaluation and Approaches to R, E, and A
6. Consideration for the diversity, risk, and hazard
7. Increased emphasis on training USFS, state, and local management and communication

Looking Back for a Clear View of the Future: 1999 to 2012

Association for Fire Ecology

5th International Fire Ecology and Management Congress - Uniting Research, Education, and Management December 6, 2012

Kevin C. Ryan
Missoula Fire Sciences Laboratory

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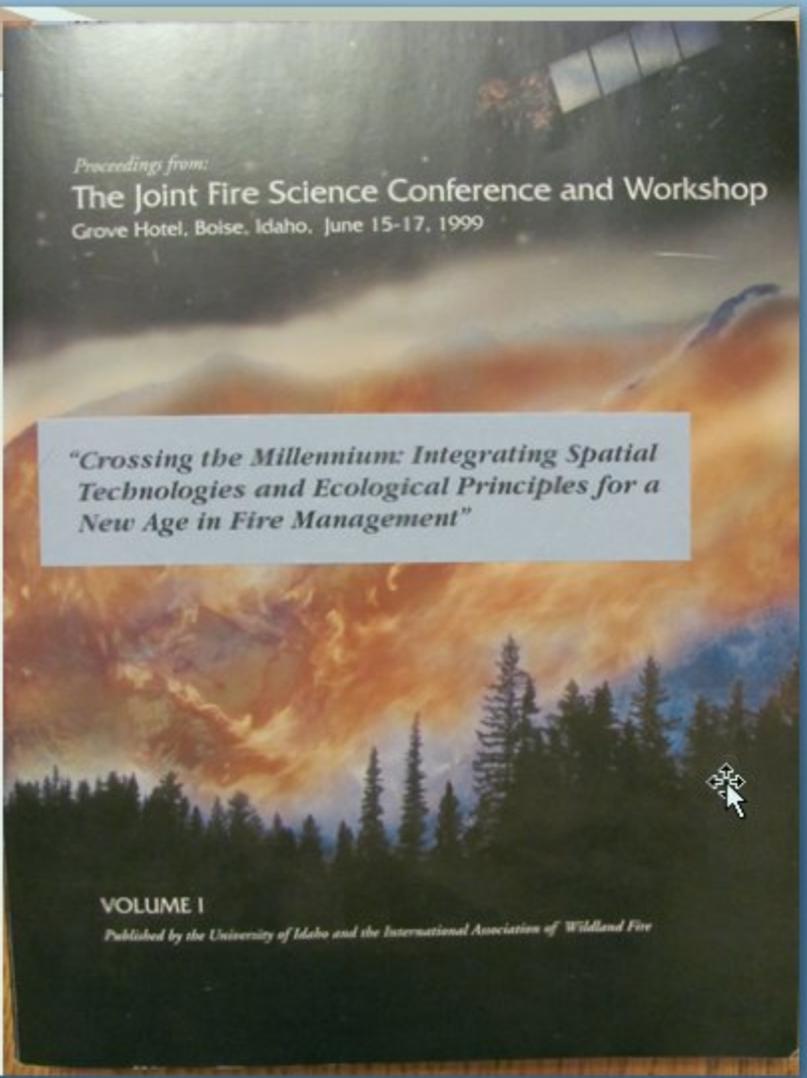
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Looking Back for a Clear View of the Future: 1999 to 2012

Session Background and Goals:



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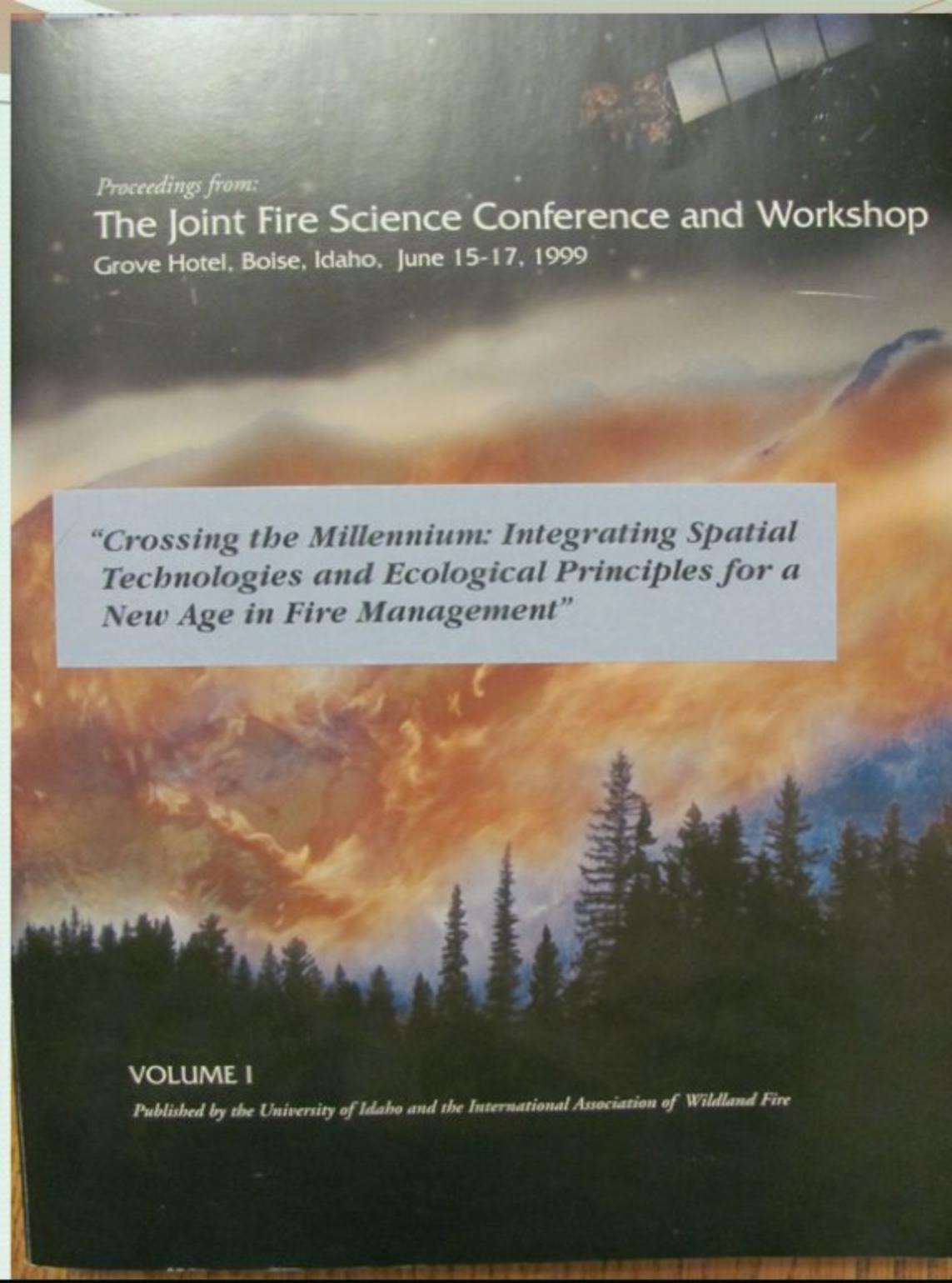
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Looking Back for a Clear View of the Future: 1999 to 2012

Session
Background and
Goals:



Background: June 15 – 17, 1999, Boise Idaho

**Crossing the Millennium:
Integrating Spatial Technologies
and Ecological Principles for a
New Age in Fire Management**

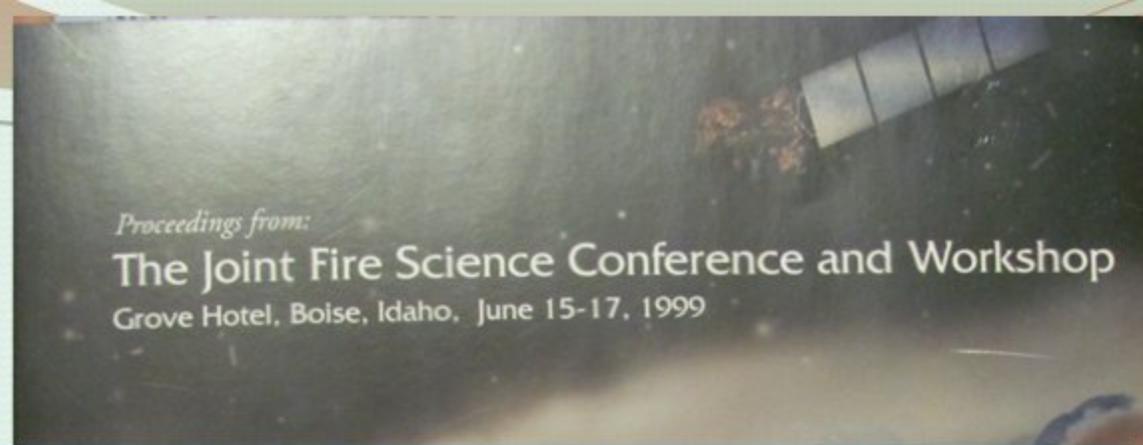
**Leon Neuenschwander and Kevin Ryan,
Technical Coordinators**

Greg Golberg,

Managing Editor and Conference Coordinator

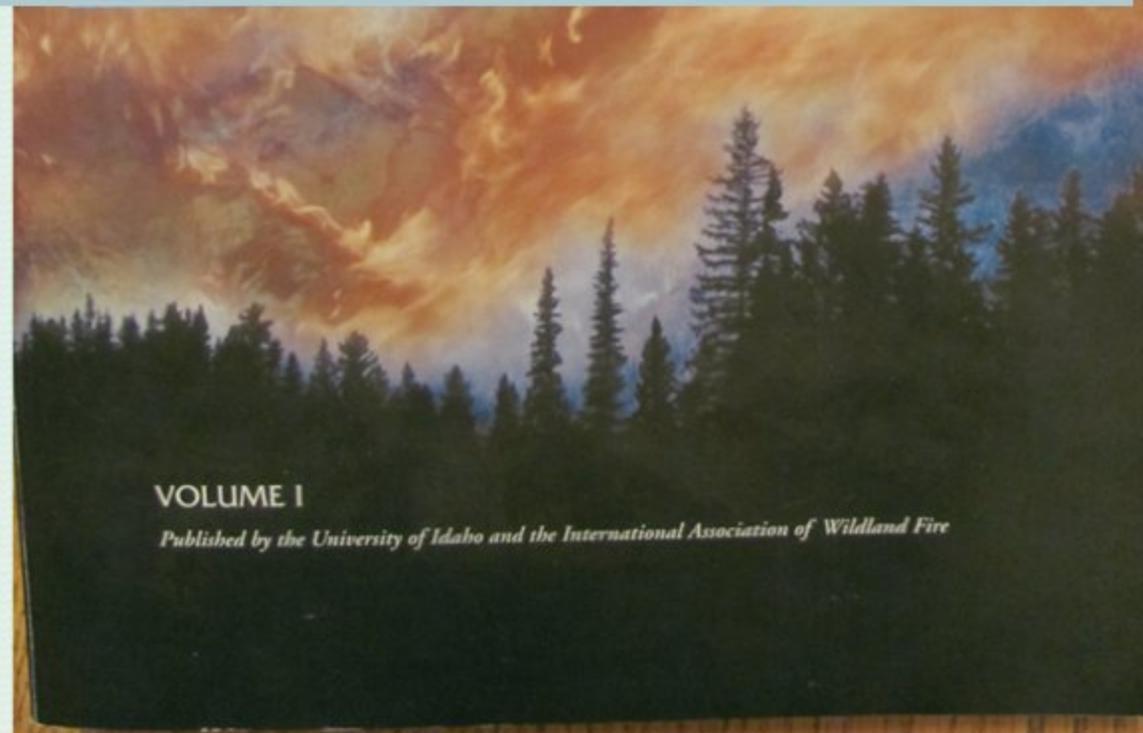
**Joint Fire Science Conference and
Workshop**

Background cont.



Crossing the Millennium: Integrating Spatial Technologies and Ecological Principles for a New Age in Fire Management

239 participants
International
104 presentations
2 volume, 609 page
proceedings



Background cont.

JFSP

Proceedings from:
The Joint Fire Science Conference and Workshop
Grove Hotel, Boise, Idaho, June 15-17, 1999

Crossing the Millennium: Integrating Spatial Technologies and Ecological Principles for a New Age in Fire Management

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VOLUME I

Published by the University of Idaho and the International Association of Wildland Fire

7 Recommendations to guide JFSP programmatic development:

- Ecological Data and Modeling Framework for Landscape-level management
- Integrated and systematic national approach
- Nationally consistent guidance for managers
- Improve technology development and transfer
- Encourage collaborative approach to R, D, and A
- Consistent standards for fire severity, risk, and hazard
- Renewed emphasis on training WRT GIS, information management and communications

Session Goal:

- Review the 7 recommendations
- Assess the validity of the recommendations
- Assess progress on achieving the recommendations

**and explore what
the past tells us
about where we need to go?**

Goal cont.

7 Recommendations to guide JFSP programmatic development:

- Ecological Data and Modeling Framework for Landscape-level management
- Integrated and **Bob Keane – Integration of ecological principals into land management**
- Nationally consistent guidance for managers
- Improve technology development and transfer
- Encourage collaborative approach to R, D, and A
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- Renewed emphasis on training WRT GIS, information management and communications

Goal cont.

7 Recommendations to guide JFSP programmatic development:

- Ecological Data and Modeling Framework for Landscape-level management
- **Integrated and systematic national approach**
- Nationally consistent guidance for managers
- **Roger Ottmar – Characterizing fuels for fire and fuels management**
- Improve technology development and transfer
- Encourage collaborative approach to R, D, and A
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Goal cont.

7 Recommendations to guide JFSP programmatic development:

- Ecological Data and Modeling Framework for Landscape-level management
 - Integrated and systematic national approach
 - **Nationally consistent guidance for managers**
 - Improve technology development and transfer
 - Encourage collaborative approach to R, D, and A
 - Consistent standards for fire severity, risk, and hazard
 - Renewed emphasis on training w/RT-GIS, information management, and communications
- John Cissel – Tools and technology: from the developer to the user community in the 21st century**

Goal cont.

7 Recommendations to guide JFSP programmatic development:

- Ecological Data and Modeling Framework for Landscape-level management
 - Integrated and systematic national approach
 - Nationally consistent guidance for managers
 - **Improve technology development and transfer**
 - Encourage collaborative approach to R, D, and A
 - Consistent standards for fire severity, risk, and hazard
 - Renewed emphasis on training WRT GIS, information management, and communications
- Jan Engert – Technology transfer and communication: from the developers and user communities in the 21st century**

Goal cont.

7 Recommendations to guide JFSP programmatic development:

Lisa Elenz – Collaborative approaches:

Ten years of advancement in research collaboration and decision support systems

- Integrated and systematic national approach
- Nationally consistent guidance for managers
- Improve technology development and transfer
- Encourage collaborative approach to R, D, and A
- Consistent standards for fire severity, risk, and hazard
- Renewed emphasis on training WRT GIS, information management and communications

Goal cont.

7 Recommendations to guide JFSP programmatic development:

- **Colin Hardy and Penny Morgan – Have definitions and standards for fire severity, hazard, and risk improved since 1999?**
- Ecological Data and Modeling Framework for Landscape-level management
- Integrated and systematic national approach
- National fire consistency guidance for managers
- Improve technology development and transfer
- Encourage collaborative approach to R, D, and A
- **Consistent standards for fire severity, risk, and hazard**
- Renewed emphasis on training WRT GIS, information management and communications

Goal cont.

7 Recommendations to guide JFSP programmatic development:

- Ecological Data and Modeling Framework for Landscape-level management
- Integrate publicly available data into JFSP
- Nationally consistent guidance for managers
- Improve technology development and transfer
- Encourage collaborative approach to R, D, and A
- Consistent standards for fire severity, risk, and hazard
- Renewed emphasis on training WRT GIS, information management and communications

Laurie Kurth – Training in the latest Developments in remote sensing, geographic information systems, information management and communication technologies

**Follow up synthesis and discussion
panel:**

Colin Hardy and Dave Peterson

**The next ten years of
fire management**

Knowledge creation, implementation, and feedback:

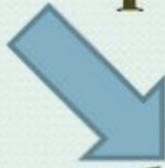
Basic Research



Applied Research



Development



Applications



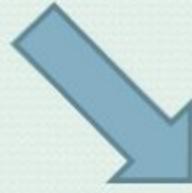
More Strategic



More Tactical

Knowledge creation, implementation, and feedback:

Basic Research



Applied Research



Development



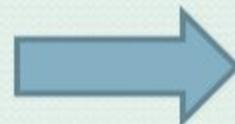
Applications

Knowledge Need

Knowledge Creation



More Strategic



More Tactical

Consider:

- **Strategic Vision – Long View vs. Short Term**
- **Balance – Knowledge Creation vs. Application**
- **Challenges:**

Consider:

- **Strategic Vision – Long View vs. Short Term**
- **Balance – Knowledge Creation vs. Application**
- **Challenges:**

What is your vision?

How are you going to achieve it?

- Who are you?

Consider:

- **Strategic Vision – Long View vs. Short Term**
- **Balance – Knowledge Creation vs. Application**
- **Challenges:**

What is our vision?

How are we going to achieve it?

Who are we as a fire science community?

Consider:

- **Strategic Vision – Long View vs. Short Term**
- **Balance – Knowledge Creation vs. Application**
- **Challenges:**
 - Knowledge creation**
 - Technological innovations**
 - Active vs. passive management**
 - Competition vs. collaboration**
 - Fiscal/Budget**
 - Climate change**
 - Land use change...**

Changing Face of Fire:

Then
1999

vs.

Now
2012

**Integrating Spatial
Technologies and
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Changing Face of Fire:

Then
1999

vs.

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vs. Tomorrow – 2025?

Looking Back for a Clear View of the Future: 1999 to 2012

**Who are we as a fire science
community?**

Where are we going?

Thank you