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### Decision Support Systems Development

#### OALS personnel who have worked on projects in this Program Area

- [JC Dale](#)
- [Samuel Drake](#)
- [Wolfgang Grunberg](#)
- [Michael Haseltine](#)
- [Chuck Hutchinson](#)
- [Chuck Hutchinson](#)
- [Min-Seong Kang](#)
- [Stuart Marsh](#)
- [Aaryn Olsson](#)
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### Wildfire Alternatives (WALTER)

An interdisciplinary research initiative aimed at improving our understanding of the processes and consequences of interactions among wildfire, climate, and society, WALTER capitalizes on advances in geospatial, analytical, and web delivery technology to provide access to scientific research activities and findings, educational materials, and decision support tools such as the Fire-Climate-Society (FCS-1) model.

Website: <http://walter.arizona.edu/>

#### Program Areas

- [Decision Support Systems Development](#)
- [Land Use Planning and Management](#)
- [Natural Resources Monitoring and Assessment](#)
- [Information Dissemination, Knowledge Transfer, and Education](#)

#### Keywords

- [Fire Behavior](#)
- [Fire Ecology](#)
- [Web Site Databases](#)
- [Web Site Development](#)

#### OALS Personnel on Project

- JC Dale
- Wolfgang Grunberg
- Michael Haseltine
- Min-Seong Kang
- [Aaryn Olsson](#)
- [Barron Orr](#)
- Heather Severson
- Anne Thwaites

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## Urban Integrated Pest Management

6/1/1998 - 5/30/2002

A project by scientists at the University of Arizona to develop educational materials, delivered by a web site, on integrated pest management for the public, covering strategies to control arthropods, rodents, weeds, and plant diseases while protecting human health and safety.

Website: <http://ag.arizona.edu/urbanipm/>

### Program Areas

- [Decision Support Systems Development](#)
- [Information Dissemination, Knowledge Transfer, and Education](#)

### Keywords

- [Pest Management](#)

### OALS Personnel on Project

- Michael Haseltine
- Heather Severson

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### Sonoran Desert: People, Policy, and Place - Working for Sustainable Desert Living

This ongoing Web site development project is a component of a larger initiative to build a Deserts of the World Web resource. It provides access to a wide range of information and links on the human and physical characteristics of the Sonoran Desert.

Website: <http://alic.arid.arizona.edu/Sonoran/>

#### Program Areas

- [Decision Support Systems Development](#)
- [Land Use Planning and Management](#)
- [Natural Resources Monitoring and Assessment](#)
- [Information Dissemination, Knowledge Transfer, and Education](#)

#### OALS Personnel on Project

- Michael Haseltine
- Chuck Hutchinson
- Heather Severson
- Anne Thwaites

#### Keywords

- [Desert Ecosystems](#)
- [Desert Organisms](#)
- [Information Management](#)
- [Web Site Databases](#)
- [Web Site Development](#)
- [Wildlife](#)

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### Natural Resources Monitoring and Assessment

#### OALS personnel who have worked on projects in this Program Area

- [Carla Casler](#)
- [JC Dale](#)
- [Samuel Drake](#)
- [Ken Foster](#)
- [Wolfgang Grunberg](#)
- [Michael Haseltine](#)
- [Chuck Hutchinson](#)
- [Chuck Hutchinson](#)
- [Min-Seong Kang](#)
- [Martin Karpisak](#)
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- [Steve McLaughlin](#)
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- [Doug Rautenkranz](#)
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- [Maureen Sieberg](#)
- [Anne Thwaites](#)
- [Willem van Leeuwen](#)
- [Eric Weiss](#)

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### Malawi Environmental Monitoring Programme (MEMP)

This Web site contains all the reports, papers and operating plans for MEMP, which was intended to establish environmental assessment and monitoring capacity for the Government of Malawi.

Website:

<http://aq.arizona.edu/OALS/malawi/Malawi.html>

#### Program Areas

- [Decision Support Systems Development](#)
- [Food Security Assessment and Agricultural Monitoring](#)
- [Land Use Planning and Management](#)
- [Information Dissemination, Knowledge Transfer, and Education](#)

#### Keywords

- [Land Management](#)
- [Land Stewardship](#)
- [Land Use Change](#)
- [Natural Resource Management](#)
- [Urban Land Use Change](#)
- [Web Site Development](#)

#### OALS Personnel on Project

- Heather Severson

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### Land Use Planning and Management

#### OALS personnel who have worked on projects in this Program Area

- [Carla Casler](#)
- [JC Dale](#)
- [Samuel Drake](#)
- [Barbara Eiswerth](#)
- [Mohamud Farah](#)
- [Wolfgang Grunberg](#)
- [Michael Haseltine](#)
- [Chuck Hutchinson](#)
- [Chuck Hutchinson](#)
- [Min-Seong Kang](#)
- [Martin Karpiscak](#)
- [Stuart Marsh](#)
- [Steve McLaughlin](#)
- [Aaryn Olsson](#)
- [Barron Orr](#)
- [Heather Severson](#)
- [Maureen Sieberg](#)
- [Joseph Tabor](#)
- [Anne Thwaites](#)
- [Yuta Torrey](#)
- [Willem van Leeuwen](#)
- [Katherine Waser](#)

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### Information Dissemination, Knowledge Transfer, and Education

#### Projects in this Program Area

[Include project details](#)

1. [Arid Lands Information Center Online Catalog](#)
2. [Arid Lands Information Resources](#)
3. [Arid Lands Newsletter](#)
4. [Arizona Center for Phytomedicine Research](#)
5. [Arizona Ecological Site Descriptions](#)
6. [Arizona FIRE MAP](#)
7. [Assimilation of NASA Science Results and Data into National Decision Support Systems](#)
8. [Basics of Vegetation Monitoring for Rangelands](#)
9. [Behavioral Education for Human, Animal, Vegetation and Ecosystem Management \(BEHAVE\)](#)
10. [Bioactive Agents from Dryland Biodiversity of Latin America](#)
11. [Climate and Human Contributions to Fire Regimes Affecting Ecosystems in the U.S. Southwest](#)
12. [Earth, Water, Wind and Fire: A gateway to remote sensing and other geospatial applications for resource management](#)
13. [International Arid Lands Consortium \(IALC\) Web Site](#)
14. [Jordan Soils and Land Management](#)
15. [Library Redevelopment in Afghanistan](#)
16. [Malawi Environmental Monitoring Programme \(MEMP\)](#)
17. [Managing Arid and Semi-Arid Watersheds](#)
18. [Models and Modes of Enabling the Use of NASA Earth Science and Data in Decision Making](#)
19. [Navajo Watershed Research Project](#)
20. [NGTEN: National Geospatial Technology Extension Network](#)
21. [Office of Arid Lands Studies Web Site](#)
22. [Rangelands West](#)
23. [RangeView: Geospatial Tools for Natural Resource Management](#)
24. [San Simon Watershed](#)
25. [Soils of Arid Regions of the U.S. and Israel](#)
26. [Sonoran Desert: People, Policy, and Place - Working for Sustainable Desert Living](#)
27. [State and Local Government Initiative-Planning, Coordination, Materials Preparation and Market Survey for Regional Informational Workshops](#)
28. [United Nations Environment Programme, UN Convention to Combat Desertification Information Network Project](#)
29. [United States Agricultural Information Network \(USAIN\)](#)
30. [Urban Integrated Pest Management](#)
31. [V-Bar-V Ranch: The Walker Basin Allotment](#)
32. [Western Rangeland Weeds](#)
33. [Wildfire Alternatives \(WALTER\)](#)

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### Information Dissemination, Knowledge Transfer, and Education

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- [JC Dale](#)
- [Samuel Drake](#)
- [Wolfgang Grunberg](#)
- [Michael Haseltine](#)
- [Michelle Hertzfeld](#)
- [Chuck Hutchinson](#)
- [Chuck Hutchinson](#)
- [Min-Seong Kang](#)
- [Stuart Marsh](#)
- [Aaryn Olsson](#)
- [Barron Orr](#)
- [Doug Rautenkranz](#)
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### Earth, Water, Wind and Fire: A gateway to remote sensing and other geospatial applications for resource management

The purpose of this project was to develop a cooperative, multi-disciplinary approach to providing researchers, educators, and the general public access to natural resource information and application tools created by various departments at the University of Arizona. This was accomplished with a database-driven Web site that provides access to educational resources, applications, research, and data in the disciplines of water and watershed, weather and climate, soil and geology, fire, agriculture, range and forest, and wildlife.

Website: <http://geospatial.arid.arizona.edu/ewwf/>

#### Program Areas

- [Land Use Planning and Management](#)
- [Information Dissemination, Knowledge Transfer, and Education](#)

#### OALS Personnel on Project

- [Barron Orr](#)
- Heather Severson
- Anne Thwaites

#### Keywords

- [Information Management](#)
- [Instructional Technologies](#)
- [Natural Resource Management](#)
- [Web Site Databases](#)
- [Web Site Development](#)

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