

From Mining Reclamation to Reclamation Sciences: Expanding the Scope and Influence of ASRS

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and

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Where we've been



Where we are



Where we can go



Why you should care



Where we've been

A Little History



BRUSHER AT WORK
IN COAL MINE AT PARIS ARK.





Abandoned coal mine, western Pennsylvania



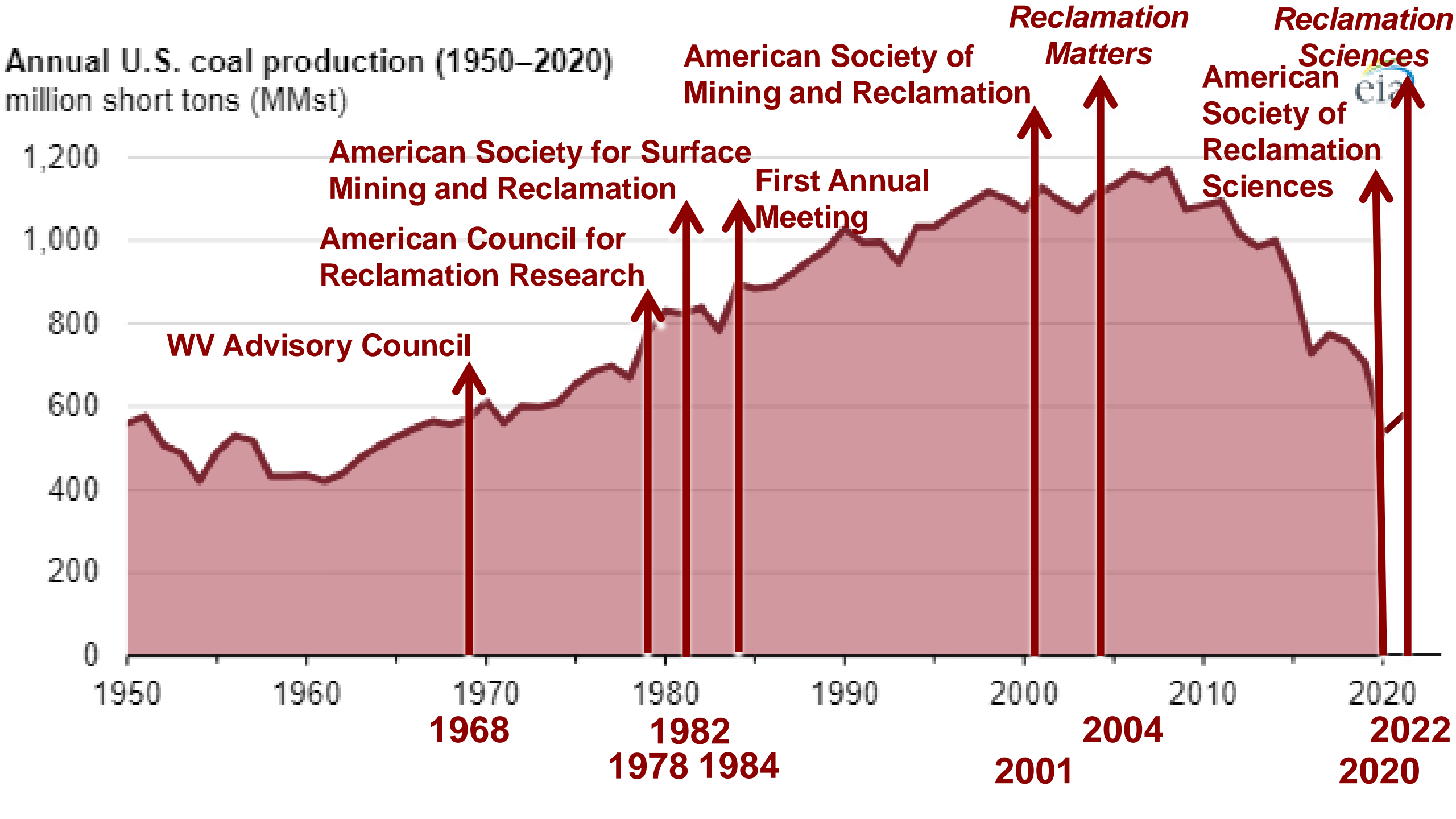
Powder River Basin surface mine, Wyoming



Big Mine Run "Geyser", Schuylkill County, Pennsylvania



Sahara Woods State Park, Illinois



Where we've been

- ACRR > ASSMR > ASMR > ASRS has flexibly responded to industrial, regulatory, and technical requirements
- Historic focus on coal mining successfully transitioned to include base and precious metals and other mining needs
- Provided timely and crucially important advancements in reclamation science – which are widely applicable

Where we are

And today?





Unreclaimed well pad, Rio Blanco County, Colorado

Historic oilfield brine scars and impacted stream, Osage County, Oklahoma





Results of recent brine spill, Crossroads, New Mexico

Abandoned quarry, Fulton County, Georgia



**Interstate 68, Sideling Hill,
western Maryland**



**Interstate 99 acid
rock drainage, Bald
Eagle Mountain,
Pennsylvania**

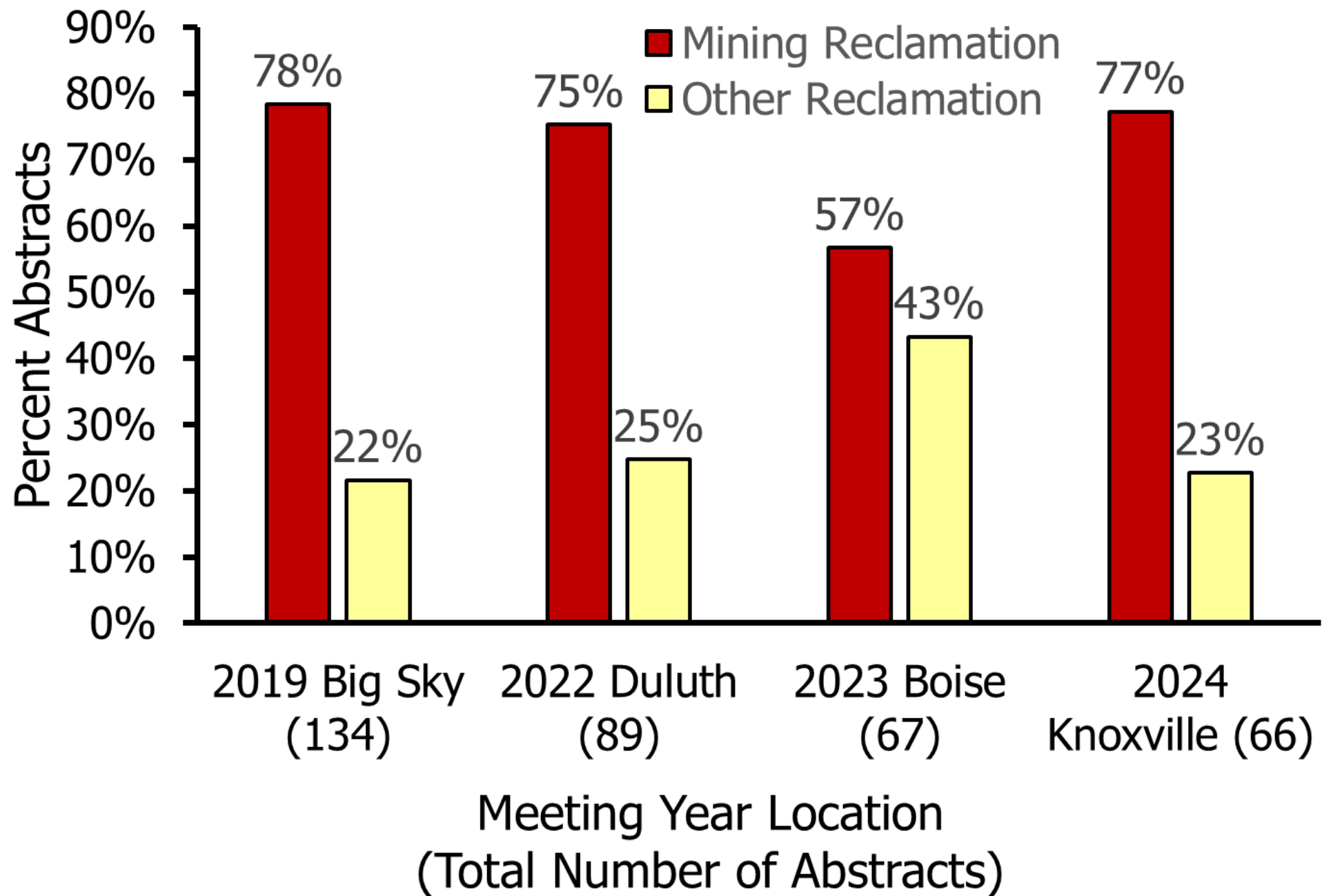


Where we are

- 2019 annual meeting discussions focused on leveraging mining reclamation expertise to other fields
 - Oil and gas extraction
 - Quarrying, sand and gravel mining, oil sands
 - Transportation and related infrastructure
 - Urban development
 - Brownfield redevelopment
 - Natural disasters – landslides, floods, severe weather

ASRS Bylaws

- **Purpose**: “to encourage and assist any agency, institution, organization, or individual in efforts to reestablish, enhance, or protect our natural resources **disturbed by mining or other human activities, or by disturbance through natural events**”
- **Objective 6**: “To encourage broadening the expertise and talents of those engaged in the discipline of applied land and water reclamation science associated with **all types of mining, oil and gas, conventional and alternative energy production, contaminated land remediation, agriculture, road construction, large scale commercial development, and other disturbances to land and water resources.**”



Where we can go

What's the future?



1. Use Our Networks

- Coordinate efforts with related professional organizations representing a substantial pool of new members and meeting attendees





Serving members from around the world in the development of and implementation of science-based reclamation.



ASRS is comprised of a diverse community spanning the regulatory, industrial, and sectors involved in action and disturbed em reclamation.



Join ASRS Today!



Benefits of ASRS membership include:

- Access our peer-reviewed journal *Reclamation Sciences*
- Members-only discussion groups and webinars
- Share expertise through Technical Division
- Eligibility for professional awards
- Membership rate for annual meetings



KNOXVILLE 2024

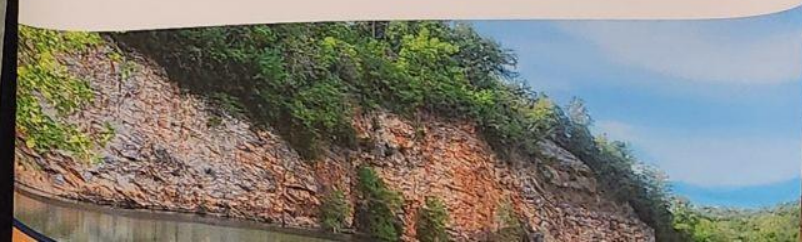
www.asrs.us/2024-conference



41st Annual Meeting June 2-5, 2024

Knoxville Convention Center
Knoxville, TN

Knoxville is known as "Marble City" because large quantities of stone were produced by area quarries from the 1880's to 1950's and used in the construction of many well known buildings such as the National Gallery of Art and the Lincoln Memorial in Washington, DC, and Grand Central Station in New York. Called "Tennessee Marble", the stone often has a pink hue, and is actually a crystalline limestone that occurs in belts of Ordovician rock and is found only in this region.



ASRS booth at IMWA 2024

2. Leverage Those Networks

- Targeted strategic co-hosting of annual meetings, webinars, symposia, with an emphasis on expanding base membership

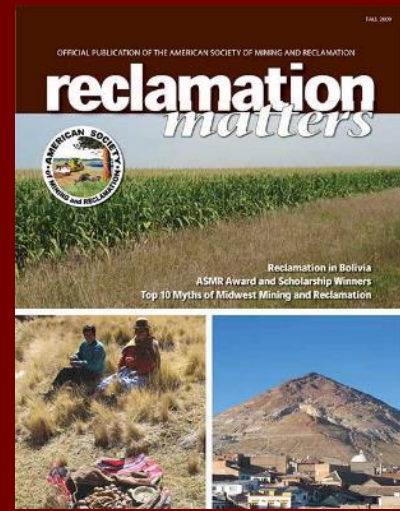


**West Virginia
Mine Drainage
Task Force**



3. Promote Our Good Work

- Enhance and distribute *Reclamation Matters* and *Reclamation Sciences*
- Further develop and promote reclamation sciences
 - White papers
 - Fact sheets
 - Technical notes
 - Public engagements and interviews
 - Web pages, videos, and related content
- Target non-technical audiences, including policy- and decision-makers



An Example of Promoting Good Work



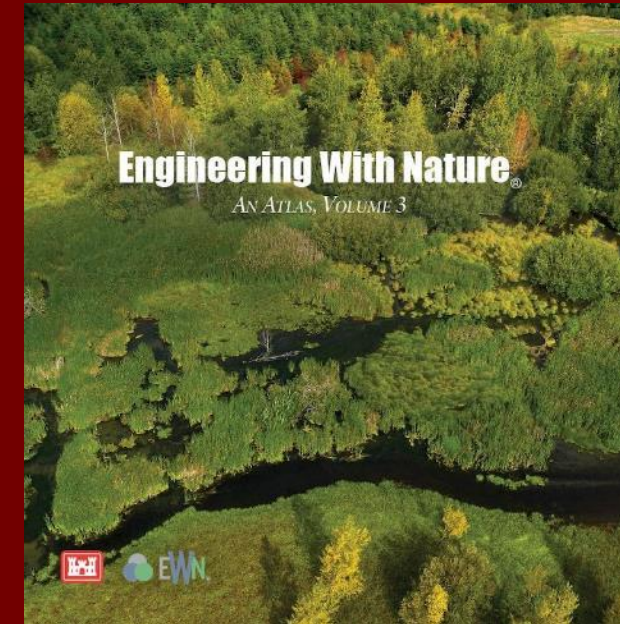
NETWORK FOR
ENGINEERING
WITH NATURE

OPPORTUNITIES TO
ACCELERATE NATURE-
BASED SOLUTIONS:
A ROADMAP FOR CLIMATE
PROGRESS, THRIVING
NATURE, EQUITY, &
PROSPERITY

A REPORT TO THE
NATIONAL CLIMATE TASK FORCE
NOVEMBER 2022



THE WHITE HOUSE
WASHINGTON



FIRST NATIONAL
NATURE ASSESSMENT

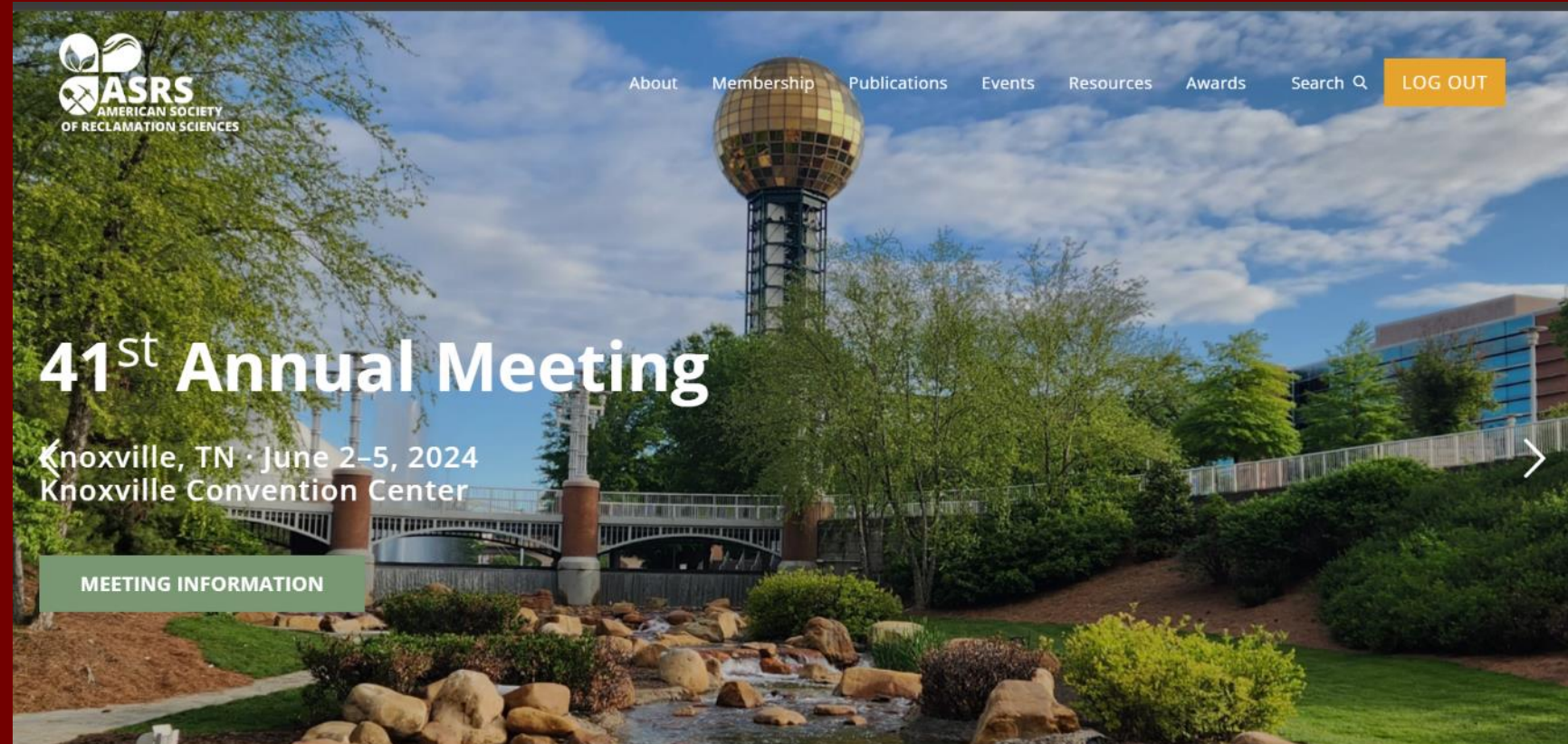
AUTHORS ANNOUNCED
THE WRITING BEGINS



U.S. Global Change
Research Program
globalchange.gov/NNA

4. Get Social

- Current and continuously updated social media presence is essential
 - Web presence
 - LinkedIn



5. Build Our Future

- Must enhance and expand engagement with students and Early Career Professionals



Student



ECP



Neither

But... Student Engagement Committee Chair

■ ASRS Student Engagement Committee

- Peter Beckett
- Michele Coleman
- M'Kenzie Dorman (student)
- Brandon Holzbauer-Schweitzer
- Julie LaBar
- Brenda Schladweiler
- Kenton Sena
- Barry Stewart
- Allen Wellborn



5. Build Our Future

- Students and Early Career Professionals are not the same!
- And neither are their professional development needs
- Nor what ASRS should provide
- ASRS needs to be the “go to” professional society for our younger members

5. Build Our Future

Students

Memorial Scholarships
Conference Travel Support
Oral Presentation Awards
Poster Presentation Awards

Early Career Professionals

ECP Event
ECP Representative on NEC

5. Build Our Future

Students

Memorial Scholarships
Conference Travel Support
Oral Presentation Awards
Poster Presentation Awards
Student Welcome Breakfast
Mentorship Program
Reclamation Matters article
Coordination with ECP
Student Representative on NEC

Early Career Professionals

ECP Event
ECP Representative on NEC
Professional Development
Mentorship Program
Coordination with SEC

A photograph of a pond with a dense patch of yellow flowers in the foreground. The pond is on the left side of the image, with water reflecting the sky and surrounding vegetation. The yellow flowers are in the foreground, growing in a dense patch. The text "Why you should care" is overlaid in the top right corner, and "Conclusions" is overlaid in the center of the image.

Why you should care

Conclusions

Expanding the Scope and Influence of ASRS

- ASRS has a strong foundation to build upon
- Proactive change was well-founded and forward-thinking
- Every ASRS member should recruit their networks
- Leverage those networks for the good of the Society
- Self promotion is a good thing!
- Be active on social media
- Sustainable future = students and early career professionals

A photograph of four people standing in a grassy field with snow-capped mountains in the background. From left to right: a woman with red hair wearing a grey cardigan and black boots, holding a water bottle; a man in a maroon jacket and sunglasses; a man in a red long-sleeved shirt and a baseball cap looking at a map; and a man in a grey hoodie with a backpack. The background features dense evergreen forests and large, rugged mountains under a blue sky with scattered clouds.

Thank you!

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