Spectral Indices for Land and Aquatic Applications: End-of-Training Survey

We appreciate your participation in this ARSET training, and hope that you have gained useful information. We welcome your constructive criticism and thoughtful responses to help us evaluate and improve the program. All responses are confidential, and participation is optional. By completing the survey, you agree for your responses to be summarized into reports for the ARSET team and other programs at NASA, and shared more broadly to help improve understanding of the uses of earth observation data.

Si prefiere acceder a la encuesta en español, por favor haga click en el ícono en forma de globo que aparece en la parte superior derecha de la pantalla.

Thank you -
The ARSET Training Team

Paperwork Reduction Act Statement: This information collection meets the requirements of 44 U.S.C 3507, as amended by section 2 of the Paperwork Reduction Act of 1995. You do not need to answer these questions unless we display a valid Office of Management and Budget control number. The OMB control number for this information collection is 2700-0153 and it expires on 07/31/24. We estimate that it will take about six minutes to read the instructions, gather the facts, and answer the questions. You may send comments on our time estimate above to nasa.arset@gmail.com. Send only comments relating to our time estimate to this address.

Please let us know how well the training met the following objectives:

1) As a result of this ARSET training, my ability to recognize commonly used spectral indices in land and aquatic environments…

- did not change.
- improved slightly.
- improved moderately.
- improved greatly.

2) My ability to select which spectral indices are best suited for land or aquatic purposes ...

- did not change.
- improved slightly.

- improved moderately.
- improved greatly.

3) My ability to compute commonly used spectral indices over appropriate areas of interest…

- did not change.
- improved slightly.
- improved moderately.
- improved greatly.

4) Consider the following training elements and rate how each helped improve your ability to access and use remote sensing data:

	Not at all helpful	Slightly helpful	Moderately helpful	Extremely helpful	Not applicable
Instructor lecture					
Training materials (e.g. lecture slides)					
Examples of remote sensing data use					
Hands-on activities/live demos					
Homework assignments					
Interactions with other participants (e.g. through Q&A)					
Q&A Transcripts					

5) How do you intend to use the skills gained from this ARSET training? *Please select your top 3 options.*

- Monitoring/forecasting
- Modeling (i.e. developing and/or running models)
- Develop products (such as maps, analysis tools)
- To inform regulation & policy development

- (For instructors) Utilize in a class I am TEACHING at a school or university

- (For students) Utilize in a class I am TAKING at a school or university

- Assess climate change impacts e.g., risk, mitigation, adaptation planning

- Share information learned in this course with colleagues

- Include in research or project proposal

- Use in research study, presentation or publication

- Public communication or informal education

- Journalism (digital, print or audio)

- Other - Describe other ways you intend to use the skills gained through this training:

6) OVERALL SATISFACTION: How did this ARSET training meet your expectations?

- The training failed to meet my expectations.
- The training met my expectations.
- The training exceeded my expectations.

7) Preferred Aquatic-related Topics for Future Training:
Which of the following topics would you most like to see offered in a future ARSET training? Select your top three choices below.

- Image processing for aquatic remote sensing

- Monitoring watershed and coastal environments from a ridge-to-reef approach using remote sensing

- Monitoring of atmospheric and oceanographic events

- Monitoring marine debris with remote sensing

- Remote sensing of phytoplankton communities

8) Preferred Land-related Topics for Future Training:
Which of the following topics would you most like to see offered in a future ARSET training? Select your top three choices below.

- Monitoring Post-Fire Changes to Biodiversity

- Spectral Indices for Wildfire Analysis

- Forest Cover Monitoring with Remote Sensing

- Time Series Analysis with Satellite Imagery

- Land Cover Classification with Remote Sensing

- Monitoring Agriculture with Remote Sensing

- Biodiversity and habitat vulnerability mapping

- Fire risk mapping

9) What additional information and skills would improve your use of remote sensing data for land and aquatic applications? *Please be as specific as possible and share suggestions about how to improve future ARSET trainings.*

[open text response]

10) What would help improve your use of spectral indices to monitor land and aquatic environments?

[open text response]

11) ARSET is considering creating a series of short videos about how to calculate remote sensing products for land and aquatic purposes. Please suggest which webtools and topics you would like to be featured in such videos.

[open text response]

Part 2: Participant Information

12) Where do you live?*

[DROP DOWN MENU OF COUNTRIES]

What is your current work sector?
*NOTE: if you identify as a "researcher" please indicate the sector you primarily work for (such as Federal government or Academia)***

- Academia: Faculty
- Academia: Student
- Federal/Central Government
- State/Provincial Government
- Local Government
- Tribal/Indigenous Organization
- Intergovernmental Organization
- Regional or Multi-state Agency
- Private Sector (Non-profit)/Voluntary or NGO
- Private Sector (For-profit)
- Other - Write In:

13) How would you rate your knowledge of remote sensing data products BEFORE you took this training?

- Practically no knowledge of remote sensing data products
- Very limited knowledge of remote sensing data products – I know of at least a couple of data products but have never utilized them.
- Moderate knowledge of remote sensing data products – I have used at least one remote sensing data product.
- High degree of knowledge of remote sensing data products – I have experience using multiple remote sensing data products.

ARSET is interested in developing future trainings that address priorities of underserved communities. *An underserved community is defined as one that is lacking equitable social and government services.*
Do you or your organization work on behalf of an underserved community?

- Yes

- No

- Do not know

- Prefer not to answer

14) If you work on behalf of an underserved community, we invite you to explain more, such as challenges and issues for the community. Please describe what remote sensing data support you think is needed.

[open text response]

Do you personally identify as someone in a community that is lacking equitable social and government services?

- Yes

- No

- Do not know

- Prefer not to answer

Thank You!

Thank you for taking our survey. Your feedback is very important to the ARSET program. Be sure to visit the ARSET webpage for news of upcoming trainings that may be of interest.