

## 2021 ESIP Summer Meeting (July 19th-23rd, 2021)

<https://2021esipsummermeeting.sched.com/>

[Meeting Takeaways Doc](#)

Community Participation Guidelines & Reporting: Click [HERE](#)

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### HDF Town Hall

Friday, July 23 • 3:30pm - 5:00pm

More info & slides on Sched Session Page: <https://sched.co/jMOu>

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#### Attendance & Check in

Add your Name / affiliation / pronouns / location / social media to a bullet

- Joe Lee / The HDF Group - NASA EED2 / he / Champaign, IL / @hdfeos
- Aleksandar Jelenak / NASA EED2 - HDF Group / he, him / Northern Virginia
- John Readey / HDF Group / he, him / Seattle, WA.
- Elena Pourmal /HDF Group - NASA-EED2, Champaign, IL
- JP Swinski / NASA / GSFC
- Chris Lynnes, NASA
- Rob Casey / IRIS Data Services / he/him / Seattle, WA / rob@iris.washington.edu
- Sean Arms / UCAR/Unidata / he/him / Boulder, CO / @lesserwhirls
- Thilanka Munasinghe / He,Him / Rensselaer Polytechnic Institute (RPI), Troy, NY
- Nick Doty / NASA - ESDIS / he, him / GSFC

#### Agenda

1. Elena Pourmal (NASA EED-2 / HDF Group): *HDF - Current Status and Future Directions*
2. J. P. Swinski (NASA): *H5Coro: The HDF5 Cloud-Optimized Read-Only Library*
3. John Readey (The HDF Group): *HDF for the Cloud - Serverless HDF*
4. Ellen Johnson (MathWorks): *MATLAB Modernization on HDF5 1.10, Support for SWMR and VDS, and Cloud Data Access*
5. Joe Lee (NASA EED-2 / HDF Group): *HDFEOS.org User Analysis, Updates, and Future*

At session start:

- **Welcome**
  - Orient attendees to tech (Zoom and QiqoChat)
  - Invite attendees to share their name/affiliation/location in the Zoom chat
  - Invite others to take notes in this document (if desired)
  - Assign any other roles needed
- **Community Participation Guidelines Reminder**
  - By participating in this session, you agree to adhere to the ESIP [Community Participation Guidelines](#)
  - Report an Issue: <https://www.integritycounts.ca/org/esip>
- **Goals of this Session**
  - Present the current state of the HDF software.

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- Inform ESIP community about the near-term HDF development plans.
- Latest on HDF Cloud.
- Get community's feedback and input for the future.

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### Community Wish List for HDF and The HDF Group

Please add your suggestions below along with your name and email. Thank you!

- .
- .
- .

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Before session close:

- **Capture 3 Takeaways & Shared insights**
  - What did we discover?
  - How can we help each other?
  - What knowledge and resources do we have to share?
  - Important remaining questions?
- **Closing circle**
  - Share any reminders
    - Come to our next Cluster Call? on THIS DAY & TIME. Here's what you can expect to see when you show up.
  - Shout-outs & thanks
  - Requests for peer assists

### 5 ways to stay involved with ESIP

- Join the conversations on our [ESIPFed Slack Channel](#) and say hello on #general.
- Keep up with the latest from in and around ESIP by signing up for the [ESIP Monday Update](#) or the mailing list of this group.
- Share your feedback, questions, and suggestions with our Twitter community [@esipfed](#) and [#esipfed](#).
- Hop on an [ESIP Telecon](#) that interests you - no need to RSVP!
- At this meeting, check out the Research Showcase Poster and Demo Gallery.

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**Feedback**

Please take a moment to share your thoughts on this session in Sched by going to the Sched session page linked at the top of this document.

**Paste in Zoom Chat notes that you would like to save here**

15:35:05 From Aleksandar J. (HDF Group) to Everyone:

You can post your questions here.

15:41:05 From Chris Lynnes to Everyone:

If a malicious actor has created a corrupted file in HDF5 1.8, what methods should people reading the file use to protect themselves?

16:05:35 From Patrick Quinn to Everyone:

Q: Is the h5coro source code or binary available?

16:07:58 From Elena Pourmal/ The HDF Group/ NASA EED2 to Everyone:

It is part of SlideRule <http://icesat2sliderule.org/h5coro/>

16:21:25 From Aleksandar J. (HDF Group) to jreadey(Direct Message):

At 10 minutes now

16:29:06 From Rob Casey to Everyone:

Q: Could the benefits of parallelism in the Serverless approach be hindered by the use of multiple sub-processes for the SNs and DNs in a regime of limited memory?