

July 13, 2021 1:55 PM from David Perkey to everyone:
stepping away real quick before we kick off

July 13, 2021 2:01 PM from Todd Bridges to everyone:
My goal is to not be bored by the discussion. :)

July 13, 2021 2:01 PM from Amanda Tritinger to everyone:
Amanda Tritinger - ERDC - CHL -> Effective Action Items

July 13, 2021 2:02 PM from Jennifer Seiter-Moser to everyone:
Jen Seiter - ERDC - EL - Collaboration!!

July 13, 2021 2:02 PM from Brooke Stevens to everyone:
Hi I'm Brooke Stevens with EL - I am one of the content managers for the BU website.
My objective is to be able to shape the BU website to fit the needs of USACE

July 13, 2021 2:02 PM from Benjamin Emery to everyone:
Ben Emery - CHL - Innovative Ben Reuse for Future

July 13, 2021 2:02 PM from Brian Mcfall to everyone:
Brian McFall, CHL - Learn more details about differing types of BU

July 13, 2021 2:03 PM from Kelsey Fall to everyone:
Not to misspell to horribly in front of everyone

July 13, 2021 2:03 PM from chuck Theiling to everyone:
Chuck Theiling - EL. Focus on inland systems

July 13, 2021 2:04 PM from David Perkey to everyone:
David Perkey-CHL Increase collaboration across various programs and business lines
to expand BU

July 13, 2021 2:04 PM from Justin Wilkens to everyone:
Justin Wilkens, ERDC-EL: To identify BU projects that push boundaries and share this
through the BU website

July 13, 2021 2:05 PM from David Moore to everyone:
Yes - pushing boundaries to include applications that address use of chemically
challenged materials.

July 13, 2021 2:05 PM from Brandon Boyd to everyone:
my (life) goal is to move dirt

July 13, 2021 2:05 PM from Margaret Kurth to everyone:
Margaret Kurth, EL: bridge gap between supply and demand for DM

July 13, 2021 2:12 PM from David Moore to everyone:
Each year we dispose of around 50M cubic yards of clean DM in the ocean. Often this
material is transiting past contaminated sediment sites in the Nations Harbors we
could easily be beneficially using this material in TLP applications to address

these sites, but USACE Policy and our lawyers often stand in the way.

July 13, 2021 2:37 PM from Todd Bridges to everyone:
One of the key needs is to develop "straightforward" and implementable approaches for capturing the benefits value achieved through BU. Ecosystem system services provides some approaches, but again, the methods must be 'simple' to use.

July 13, 2021 2:37 PM from Jennifer Seiter-Moser to everyone:
100% agree

July 13, 2021 2:38 PM from Danielle Tarpley to everyone:
Definitions of BU

July 13, 2021 2:39 PM from Brandon Boyd to everyone:
BU = using dredged sediment to achieve additional benefits beyond the purposes related to its removal, including other economic, environmental, or social benefits.

July 13, 2021 2:39 PM from David Moore to everyone:
results in some net quantifiable benefit

July 13, 2021 2:42 PM from Todd Bridges to everyone:
I think there would be value in producing a short TN on the history of the definitions of BU that have been used and the evolution of BU practice, to include everything between strategic placement to location-specific placement (e.g., to create wetlands). Both USACE, states, regulators, resource agencies must evolve their perspectives and concepts.

July 13, 2021 2:42 PM from Jacob Berkowitz to everyone:
need to identify BOTH the environmental AND engineering benefits of BU. ENVR = habitat, nutrient cycling, energy dissipation. ENG = reduced storm surge, nav channel maintenance, shoreline stabilization

July 13, 2021 2:42 PM from David Moore to everyone:
things we don't normally count as a benefit (e.g., using contaminated material capped with clean material to fill anoxic borrow pits to restore elevation and productive benthic habitat.)

July 13, 2021 2:42 PM from chuck Theiling to everyone:
Upper Mississippi River Restoration calls it BU and uses up to 500,000 cy in a single restoration project. it facilitates offload of temporary storage sites.

July 13, 2021 2:43 PM from Todd Bridges to everyone:
AND social benefits beyond economic/engineering benefits.

July 13, 2021 2:44 PM from Benjamin Emery to everyone:
How do we define the difference between "in-channel disposal" and "in channel beneficial reuse"?

July 13, 2021 2:44 PM from Brandon Boyd to everyone:

I heard lots of discussion on removing sediment from the "system" is not beneficial. But depends on the "system"...

July 13, 2021 2:44 PM from Brooke Stevens to everyone:
I agree - getting the public behind BU has the potential to help increase the total amount of sediment that is used beneficially

July 13, 2021 2:45 PM from Jacob Berkowitz to everyone:
@Todd - I agree, the social and recreational benefits have value, and raises the profile, and even allows us to address environmental justice issues

July 13, 2021 2:45 PM from Todd Bridges to everyone:
We need a typology to help organize the categories of BU: in water vs out of water, use for land enhancement vs. construction material.

July 13, 2021 2:46 PM from Brandon Boyd to everyone:
Jacob, got best paper for that!

July 13, 2021 2:47 PM from Todd Bridges to everyone:
Part of the value of the factsheets and case studies is to develop patterns, examples, models (generally) for how to create narratives and arguments about the benefits produced through a BU application. This growing library will itself be a lever to help move people and organizations to new ideas and approaches.

July 13, 2021 2:50 PM from Justin Wilkens to everyone:
It's one thing to restore. But if we 'create' something that did not exist before, the public could potentially look at it like the USACE is getting really creative at justifying disposal. The definition could include restore, create, and use

July 13, 2021 2:50 PM from Danielle Tarpley to everyone:
Different Types of BU

July 13, 2021 2:51 PM from Kelsey Fall to everyone:
Feel free to use annotation and highlight types of BU You do. It will be fun to see what everyone is doing and where we can grow?

July 13, 2021 2:52 PM from Todd Bridges to everyone:
A nuance would be to look across many different BU definitions that are out there and identify the common space among them. Then make the obvious argument that there is no "one definition to rule them all". The important point is to recognize the evolution and progress underway.

July 13, 2021 2:52 PM from Jacob Berkowitz to everyone:
@Todd - that is how we developed the TLP definition, with input from the practitioners

July 13, 2021 2:53 PM from Jacob Berkowitz to everyone:
@ David/Chuck - one of our recent products on assessment of historic DM placement sites can be found here:
https://www.westerndredging.org/phocadownload/2021_Virtual/Proceedings/2021%20Dredging%20Summit%20and%20Expo%20Proceedings.pdf

July 13, 2021 2:53 PM from Benjamin Emery to everyone:
One "Non-Standard Estate" that has been approved is the Southport facility. The facility takes dredged material from USACE (Clean Sand) and mixes it with different soil gradations to create a product that they can use for various applications. I personally think that is definitely a beneficial use, though many I have discussed with do not..

July 13, 2021 2:54 PM from David Moore to everyone:
Obstacle - perceived liability by USACE Counsel

July 13, 2021 2:56 PM from Benjamin Emery to everyone:
Levers for BU - Stakeholder and partner engagement, early and often

July 13, 2021 2:57 PM from Jacob Berkowitz to everyone:
Challenges = cost, regs, risk aversion, short term thinking, linking disparate projects to achieve regional/ecosystem long-term goals

July 13, 2021 2:57 PM from David Moore to everyone:
Lever - pilots to demo to nay sayers

July 13, 2021 2:57 PM from Brandon Boyd to everyone:
obstacle - overly conservative contamination thresholds

July 13, 2021 2:57 PM from Brandon Boyd to everyone:
lever - Interagency working groups

July 13, 2021 2:58 PM from Benjamin Emery to everyone:
Obstacles to BU - Real Estate/Council, wanting to track material "cradle to grave"

July 13, 2021 2:58 PM from Brandon Boyd to everyone:
lever - supportive legislation/ congressional language

July 13, 2021 2:58 PM from Jacob Berkowitz to everyone:
Lever - early engagement with ERDC (and other stakeholders)

July 13, 2021 2:58 PM from Brandon Boyd to everyone:
obstacle - communication; lever - communication

July 13, 2021 2:59 PM from Margaret Kurth to everyone:
A little late to the discussion but this just occurred to me. BU = strategic coordination of dredge material supply and ecological engineering needs.

July 13, 2021 3:00 PM from chuck Theiling to everyone:
obstacle - District interest and capacity. Some are easy to work with, others more challenging.

July 13, 2021 3:02 PM from Brian Mcfall to everyone:
Obstacle: There's a need for clear and understandable requirements for material to be used for different types of habitat restoration.

July 13, 2021 3:02 PM from Justin Wilkens to everyone:
Some areas have not identified beneficial use options or there are none nearby

July 13, 2021 3:03 PM from Todd Bridges to everyone:
The ERDC BU community needs effective ways for sharing information about ongoing research and demonstration projects across our community to facilitate self-assembled collaboration rather than top-down directed collaboration.

July 13, 2021 3:04 PM from Katie Brutsché to everyone:
@Todd agree- I think we could do an overhaul of the BU Website that already exists

July 13, 2021 3:04 PM from Katie Brutsché to everyone:
We could also make a Teams site if we don't want everything to be public

July 13, 2021 3:05 PM from Brooke Stevens to everyone:
@Todd and Katire - one of the things Justin and I want to get out of this workshop is how we can help modify the BU website to fit our needs.

July 13, 2021 3:05 PM from Katie Brutsché to everyone:
We also should probably work with CCO or something to create some pretty graphics for us for distribution

July 13, 2021 3:05 PM from Katie Brutsché to everyone:
Great Brooke and Justin!

July 13, 2021 3:06 PM from Brooke Stevens to everyone:
Katie I have a note to follow up with you and Todd about distribution graphics

July 13, 2021 3:06 PM from Katie Brutsché to everyone:
Sounds good!

July 13, 2021 3:06 PM from Justin Wilkens to everyone:
levers: climate change and rising sea levels should be a consideration for keeping sediments near- or onshore

July 13, 2021 3:06 PM from Jennifer Seiter-Moser to everyone:
I agree. I think there are secondary benefits to BU as well that could be extremely beneficial

July 13, 2021 3:06 PM from Brook Herman to everyone:
Brian Mcfall: EMRRP has funded research into this area and have some technical reports either published or in the process of. But lots of questions left to answer, fine tune!

July 13, 2021 3:07 PM from Danielle Tarpley to everyone:
General opportunities for expanding BU

July 13, 2021 3:07 PM from Todd Bridges to everyone:
The big lever: demos, demos, demos!

July 13, 2021 3:07 PM from Brandon Boyd to everyone:
researcher exchange with the districts

July 13, 2021 3:08 PM from Brandon Boyd to everyone:
to jacob's point of early engagement

July 13, 2021 3:08 PM from chuck Theiling to everyone:
lever: Establish ERDC regional experts who can participate with regional
coordination committees like upper Miss and Great Lakes.

July 13, 2021 3:09 PM from Todd Bridges to everyone:
High impact and effective documentation and communication products describing
successful BU of a wide range of types.

July 13, 2021 3:10 PM from Jacob Berkowitz to everyone:
Biggest opportunity = transitioning from demos and 'boutique" projects to BU as THE
default practice. To do this and justify the cost we need to assess the FULL suite
of positive project outcomes

July 13, 2021 3:10 PM from Todd Bridges to everyone:
Engaging other organizations in the demos so they can also own credit for the
success, e.g., NOAA-NMFS, USFWS, state agencies, etc.

July 13, 2021 3:10 PM from Benjamin Emery to everyone:
Newly formed Upper Mississippi Beneficial Use Working Group which include all states
(WI, MI, IA, IL, MO) DOT, DNR, US Fish and Wildlife, EPA, etc.

July 13, 2021 3:11 PM from Todd Bridges to everyone:
A National Conference on BU

July 13, 2021 3:11 PM from Jennifer Seiter-Moser to everyone:
I agree, collaboration across entities is critical - maybe even industrial or
private partnerships, but then that gets more time consuming too

July 13, 2021 3:12 PM from Todd Bridges to everyone:
A library of 2-3 minute videos documenting BU projects and how they got done.

July 13, 2021 3:13 PM from Brooke Stevens to everyone:
@Todd - that is a great idea

July 13, 2021 3:14 PM from Burton Suedel to everyone:
Ready.

July 13, 2021 3:14 PM from Danielle Tarpley to everyone:
What is the status of BU at ERDC

July 13, 2021 3:15 PM from Danielle Tarpley to everyone:
How to create synergy across ERDC on BU

July 13, 2021 3:16 PM from David Perkey to everyone:
Great discussion so far everyone. Let's keep it going.

July 13, 2021 3:16 PM from Todd Bridges to everyone:
Developing and maintaining list of current ERDC BU projects: title, 3 sentence description and POC.

July 13, 2021 3:17 PM from Todd Bridges to everyone:
The "ERDC" BU website should be evolved into the USACE BU website. No other entity in USACE will step up to doing this.

July 13, 2021 3:19 PM from David Perkey to everyone:
I would go TEAMS over Sharepoint

July 13, 2021 3:20 PM from Justin Wilkens to everyone:
Consider a push to consolidate the information to fewer websites. Lots of BU information is fragmented

July 13, 2021 3:20 PM from David Perkey to everyone:
Curiosity...can someone post the BU website link?

July 13, 2021 3:20 PM from Brooke Stevens to everyone:
dm.el.erdc.dren.mil

July 13, 2021 3:21 PM from Todd Bridges to everyone:
As program managers, we should think about whether many small projects or fewer large projects would bring more overall impact and value.

July 13, 2021 3:21 PM from Brooke Stevens to everyone:
budm.el.erdc.dren.mil

July 13, 2021 3:21 PM from Todd Bridges to everyone:
I think we need BU secret decoder rings for the working group. :)

July 13, 2021 3:22 PM from David Moore to everyone:
If someone can get Teams to work on my machine after the three previous generations - I think my machine has developed an allergy.

July 13, 2021 3:23 PM from Todd Bridges to everyone:
I think there would be lots of value in putting the emphasis on sponsoring externally oriented events, like a webinar series, short virtual workshops, etc. that cast toward a national audience.

July 13, 2021 3:23 PM from Danielle Tarpley to everyone:
What is important to share with district partners

July 13, 2021 3:24 PM from Todd Bridges to everyone:
We need to be more aware about how some people in the field view ERDC.

July 13, 2021 3:24 PM from Todd Bridges to everyone:

*be more aware... :)

July 13, 2021 3:25 PM from Brooke Stevens to everyone:
@Todd - agree completely. There are some districts that don't view ERDC as we do

July 13, 2021 3:25 PM from Jacob Berkowitz to everyone:
Communicate ERDC capabilities to leverage the program funded activities AND get engaged with reimbursables

July 13, 2021 3:25 PM from Jacob Berkowitz to everyone:
What we need from Districts - Early ERDC engagement in the planning and design phases.

July 13, 2021 3:25 PM from Amanda Tritinger (privately):
Hey Courtney, I gave Burton the go ahead to stay on until 1555, at that time can you turn videos back on?

July 13, 2021 3:26 PM from David Moore to everyone:
, other agencies, etc.

July 13, 2021 3:26 PM from David Moore to everyone:
We also have other potential partners, industry, other agencies etc.

July 13, 2021 3:27 PM from Brandon Boyd to everyone:
the districts and divisions should have regional experts. They won't pay us to be on retainer.

July 13, 2021 3:29 PM from Jacob Berkowitz to everyone:
@Amanda: I meant this for the column on the right "What we need from Districts - Early ERDC engagement in the planning and design phases."

July 13, 2021 3:29 PM from Amanda Tritinger to everyone:
@Jacob, thanks, we'll adapt!

July 13, 2021 3:29 PM from chuck Theiling to everyone:
Bob Gunkle published the Upper Mississippi navigation study series for reference to my comment

July 13, 2021 3:32 PM from Todd Bridges to everyone:
Think about the opportunity costs.

July 13, 2021 3:32 PM to Amanda Tritinger (privately):
Will do!

July 13, 2021 3:33 PM from Brandon Boyd to everyone:
exactly!

July 13, 2021 3:33 PM from Brandon Boyd to everyone:
we are too risk adverse in taking on small commitments and not being ready for the big issues

July 13, 2021 3:34 PM from Amanda Tritinger (privately):
Thank you!

July 13, 2021 3:35 PM from Todd Bridges to everyone:
We need to think hard about what makes ERDC a worthy and valued partner for a District or any other organization.

July 13, 2021 3:36 PM from Brandon Boyd to everyone:
And that means starting to say "No"

July 13, 2021 3:36 PM from Todd Bridges to everyone:
How do we leverage some outside contractors, A&E firms, to have them help us deliver impact. For example, the programs jointly funding a few large contracts.

July 13, 2021 3:37 PM from Benjamin Emery to everyone:
I think we need both internal and a larger group with districts

July 13, 2021 3:38 PM from Brandon Boyd to everyone:
i did a detail for NWP and they paid for everything and wanted 6 months

July 13, 2021 3:38 PM from Brandon Boyd to everyone:
MCR budget is more than all our direct programs. The district can be a powerful ally

July 13, 2021 3:38 PM from Jacob Berkowitz to everyone:
@Chuck had a ERDCU person who is now engaging with BU from MVP

July 13, 2021 3:39 PM from chuck Theiling to everyone:
awesome idea. regional offices/remote employees!!

July 13, 2021 3:39 PM from Katie Brutsché to everyone:
I'm learning SO much while also bring ERDC tools to the detail I'm on right now in SAS

July 13, 2021 3:40 PM from chuck Theiling to everyone:
Aaron gre ERDC U into many projects. created a solid partnership

July 13, 2021 3:40 PM from Jacob Berkowitz to everyone:
Need to send folks who can "cross-sell" across the labs and disciplines

July 13, 2021 3:40 PM from Brandon Boyd to everyone:
FCS is implanting ERDC PIs in districts for planning WUs across the country. Could be for BU as well

July 13, 2021 3:41 PM from David Moore to everyone:
Agree - ERDC is weak on cross selling need to create alignment via performance objectives with metrics

July 13, 2021 3:41 PM from Brandon Boyd to everyone:
if you have a researcher who fits Jacob's descrip and wants to learn about BU in

NWP, please send me their name

July 13, 2021 3:42 PM from Todd Bridges to everyone:
What do they think they need to deliver more BU, whther related to soemthing ERDC does or not.

July 13, 2021 3:42 PM from Danielle Tarpley to everyone:
What do we want to get out of tomorrow

July 13, 2021 3:42 PM from Jacob Berkowitz to everyone:
@Brandon... Jacob!

July 13, 2021 3:42 PM from Brandon Boyd to everyone:
A big part of Todd's vision is the lab and the program doesn't matter once we leave 3909 Halls Ferry Rd. We are ERDC.

July 13, 2021 3:42 PM from Brandon Boyd to everyone:
Sorry Jacob can't hear you...

July 13, 2021 3:43 PM from Todd Bridges to everyone:
How should we be communicating with Districts?

July 13, 2021 3:44 PM from Todd Bridges to everyone:
HOw can we help them with their relationships with difficult stakeholders and nay-sayers?

July 13, 2021 3:44 PM from chuck Theiling to everyone:
understanding big project schedules is important. We can implement their adaptive management planning and evaluation with them.

July 13, 2021 3:44 PM from Jacob Berkowitz to everyone:
How do we transition from R&D to common practice?

July 13, 2021 3:44 PM from Brandon Boyd to everyone:
"when do you need help?", "what science can we provide to defend your position to stakeholders?"

July 13, 2021 3:44 PM from Todd Bridges to everyone:
WHat projects do they have where they think applications or demsontrations of emerging tools and technology would be timely and helpful?

July 13, 2021 3:45 PM from Todd Bridges to everyone:
My typing is degradiknm... :)

July 13, 2021 3:46 PM from Todd Bridges to everyone:
What communciation products from ERDC could help with their relationships and communication with stakeholders?

July 13, 2021 3:46 PM from Todd Bridges to everyone:
Does anyone in a District ever use ERDCpedia? :)

July 13, 2021 3:47 PM from Jacob Berkowitz to everyone:
@Todd - No. If it's not public facing it's not worth it

July 13, 2021 3:47 PM from Todd Bridges to everyone:
What should 21st century cross USACE collaboration look like?

July 13, 2021 3:47 PM from Katie Brutsché to everyone:
I'm not even sure if I use ERDCpedia...

July 13, 2021 3:49 PM from Brandon Boyd to everyone:
1000%, Todd

July 13, 2021 3:49 PM from Katie Brutsché to everyone:
Totally agree

July 13, 2021 3:50 PM from chuck Theiling to everyone:
is it as simple as ERDC brings the money? Hard to get District money out the door

July 13, 2021 3:50 PM from Amanda Tritinger (privately):
Let's turn on video now. haha

July 13, 2021 3:50 PM from Jacob Berkowitz to everyone:
For tomorrow: Let's make sure they understand the SON process and how to partner

July 13, 2021 3:50 PM from Brandon Boyd to everyone:
every program has a responsibility for tech transfer. money is not as scarce as we think. Ask a PM.

July 13, 2021 3:50 PM from Amanda Tritinger (privately):
They guys are wrapping up, and I think this is turning into good general convo... and need to see faces maybe.

July 13, 2021 3:51 PM from Brandon Boyd to everyone:
Jacob, we are trying to go bigger than SoN to project workplan requests. That's where we need to go.

July 13, 2021 3:51 PM from Brandon Boyd to everyone:
but SoNs are important and needed

July 13, 2021 3:53 PM from Amanda Tritinger (privately):
Thanks!!

July 13, 2021 3:56 PM from Danielle Tarpley to everyone:
Closing remarks

July 13, 2021 3:57 PM to Amanda Tritinger (privately):
sorry for the delay.

July 13, 2021 3:57 PM from chuck Theiling to everyone:

one last thought. my district partners were not aware of this meeting.

July 13, 2021 3:57 PM from Amanda Tritinger (privately):
I think timing was PERFECT.

July 13, 2021 3:58 PM from Todd Bridges to everyone:
I was channeling the President with the "smarty-pants" phrase. :)

July 13, 2021 3:58 PM from Justin Wilkens to everyone:
thank you

July 13, 2021 3:58 PM from Jacob Berkowitz to everyone:
Thanks everyone

July 13, 2021 3:58 PM from Benjamin Emery to everyone:
Enjoyed the conversation today,!

July 13, 2021 3:58 PM from David Moore to everyone:
Thank you all.

July 13, 2021 3:58 PM from David Perkey to everyone:
THanks everyone

July 13, 2021 3:58 PM from Jacob Berkowitz to everyone:
Well done note takers!