

Technology Transfer and Applications Transition Workshop Agenda

***** DRAFT *****

Date: August 7 - 9, 2019

Location: Irvine CA

Organizers: NASA Western Water Applications Office and Western States Water Council

Overarching goals of this Technology Transfer workshop are to:

1. Build agency partnerships and a network of experts to facilitate application transition from NASA for water resources management decision support;
2. Discover and document best practices for successful application transition; and
3. Identify current barriers to technology transfer and establish pathways to overcome those barriers.

Wednesday, August 7th

Time	Activity
12:30pm - 1:00pm	Registration
1:00pm – 1:30pm	Opening Remarks & Workshop goals (WSWC)
1:30pm – 2:30pm	<p>Session 1: What are the mechanisms and tools available for technology transfer to partners?</p> <p><u>Perspectives from NASA</u></p> <p>Presentation from NASA Western Water Applications Office (WWAO)</p> <ol style="list-style-type: none"> 1. What is WWAO and how does it support NASA’s role in the technology development process? 2. Examples of NASA technologies / applications and opportunities for technology transfer. <p>Review of current process: What are the existing NASA mechanisms and tools available for technology transfer?</p> <ol style="list-style-type: none"> 1. Agreements (Space Act Agreement) & partnerships 2. Licensing
2:30pm - 3:00pm	BREAK
3:00pm - 5:30pm	<p>Session 2: How do our federal partners approach partnerships & evaluation of new technology infusion? What are the mechanisms and tools available for technology transfer?</p> <p><u>Perspectives from Federal and agencies:</u> NOAA, USGS, EPA, USBR</p>

Thursday, August 8th

Time	Activity
9:00am - 10:20am	Session 3 A: How do transitions happen? What are the barriers? What are the best practices and lessons learned? Perspectives from successfully transitioned projects (ARL 9) <ul style="list-style-type: none">• Evaporative Stress Index<ul style="list-style-type: none">○ Chris Hain, NASA MSFC• QuickDRI, US Drought Monitor<ul style="list-style-type: none">○ Brian Wardlow, UNL• Integration of NASA GMAO with NOAA<ul style="list-style-type: none">○ Duane Waliser, JPL• Cyanobacteria Assessment Network (CyAN) Project<ul style="list-style-type: none">○ Blake Schaeffer's colleagues, EPA
10:20am - 10:40am	BREAK
10:40am - 12:30pm	Session 3 B: How do transitions happen? What are the barriers? What are the best practices and lessons learned? Perspectives from projects with nearly complete transitions (ARL 7/8) <ul style="list-style-type: none">• Airborne Snow Observatory<ul style="list-style-type: none">○ Judy Lai-Norling• Satellite mapping of snow water equivalent for CA DWR and CA Irrigation Districts:<ul style="list-style-type: none">○ Noah Molotch, University of Colorado• CA fallowed lands mapping<ul style="list-style-type: none">○ Forrest Melton, NASA Ames• ET for Western States<ul style="list-style-type: none">○ Justin Huntington• Operational ET for New Mexico<ul style="list-style-type: none">○ Josh Fisher
12:30pm – 2:15pm	LUNCH
2:15pm - 3:15pm	Session 4: How do transitions happen? What are the barriers? What are the best practices and lessons learned? Perspectives from State partners
3:15pm - 3:30pm	BREAK

3:30pm - 4:45pm	Session 4: Synthesis of lessons learned & next steps <ol style="list-style-type: none"> 1. How can we create a pathway forward that overcomes the barriers identified? 2. What are the concrete actions steps needed to start towards the pathway forward? 3. How might we build a sustained support network / community focused around this topic? (~1 hr) Small group discussions (~15 min) Report-outs from group discussions
4:45pm - 5:30pm	Session 5: Discussion

Friday, August 8th

Time	Activity
9:00am - 10:30am	Session 6 A <ul style="list-style-type: none"> • Forecast Rodeo Symposium • Water Data Exchange • Working with Philanthropy (Water Funders Initiative) • Streamlining interagency agreements to strengthen partnerships
10:30am - 10:45am	BREAK
10:45am - 11:30am	Session 6 B <ul style="list-style-type: none"> • How to communicate with Congress • The Farm Bill: case study for multi-agency collaboration & appropriations • Group Discussion
11:30am - 12pm	Closing comments