

March 27 – March 29, 2023

March 27, 2023

Time	Event	Speaker Location
1:00 – 1:30 PM	Introductions & Logistics	LSA 217 <i>Oswaldo Sala</i>
1:30 – 1:45 PM	Goals for the workshop <ul style="list-style-type: none"> - Perspectives on the current state of Dryland modeling - Where & how the Jornada should lead the way 	LSA 217 <i>Niall Hanan</i>
1:45 – 3:15 PM	Open Mic: team member modeling perspectives <ul style="list-style-type: none"> - Discuss priority processes & candidate modules for the JRN-DM - ~10-15 minute presentations 	<i>Members to sign up in advance</i>
3:15 – 3:30 PM	Initial perspectives on software design options	LSA 217 <i>Tom Hilinski</i>
3:30 – 3:45 PM	BREAK	LSA 219 & LSA 217
3:45 – 5:15 PM	Discussion and priority-setting <ul style="list-style-type: none"> - Key processes and approaches 	LSA 217
5:15 – 5:30 PM	Review of the Workshop Goals & create plan for day 2	LSA 217
5:30 PM	Adjourn for the day	
6:30 PM	Dinner in Tempe	Caffe Boa

March 28, 2023

Time	Event	Speaker Location
8:30 – 10:00 AM	Model Design: first-cut JRN-DM flow diagram <ul style="list-style-type: none"> - defining key processes for a -low dimensional, globally relevant, drylands model - key interactions and feedbacks driving state-changes - internally-modelled versus externally defined variables - essential state variables (e.g., woody/herbaceous PFT, soil moisture, crust/microbial variables, key herbivore and carnivore PFT, fire... - external inputs (soil texture, depth, infiltration rate, topography, weather variables, plant traits) - bioedaphic parameters (defined from soils, PFT/traits) - outputs (change in PFT state variables, water flows, carbon stocks, etc) - fundamental spatial and temporal characteristics necessary - management of spatial interactions (PDE, cellular, agent-based) 	LSA 217
10:00 – 10:30 AM	BREAK	LSA 219 & LSA 217
10:30 – 11:30 AM	Con't Model Design 1	LSA 217
11:30 AM – 12:00 PM	Defining breakout groups & assignments for afternoon	LSA 217
12:00 – 1:00 PM	LUNCH	LSA 219 & LSA 217
1:00 – 3:00 PM	Model Design 2: Breakouts to focus on 2-3 key areas defined in morning	LSA 217 & LSA 219
3:00 – 3:30 PM	BREAK	LSA 219 & LSA 217
3:30 – 4:30 PM	Report back & open discussion	LSA 217
4:30 – 5:00 PM	Review of workshop goals & plan for the next day, schedule adjustments made as needed	LSA 217
5:00 PM	Adjourn	
6:00 PM	Dinner at Osvaldo's	<i>Details provided at workshop</i>

March 29, 2023

Time	Event	Speaker Location
8:30 – 10:00 AM	Model design 3: Breakouts to focus on 2-3 key areas	LSA 217 & LSA 219
10:00 – 10:30 AM	BREAK	LSA 219 & LSA 217
10:30 – 11:00 AM	Report back and open discussion	LSA 217
11:00 – 12:00 PM	From concepts to action <ul style="list-style-type: none">- Goals prior to end of June JRN Short-Course and PI meeting- Goals for summer and early Fall 2023- Goals prior to 2024 JRN proposal	LSA 217
12:00 – 1:00 PM	LUNCH	LSA 219 & LSA 217
1:00 – 2:00 PM	Scheduling & responsibilities <ul style="list-style-type: none">- Who is doing what?- Deadlines?	LSA 217
2:00 PM	ADJOURN	