

# TOSTA'S TOP TEN

Thoughts from the Russian River  
Extreme Events Workshop

# TOP 10 CHALLENGES

10. Fuzzy forecasts
9. Flashy runoff
8. More and “bigger” peaks (wet and dry)
7. Wholesale ecosystem changes
6. Stalled atmospheric rivers

# TOP 10 CHALLENGES

5. Entrenched bureaucracies/security rules
4. \$\$\$\$\$
3. Competing uses and perspectives
2. VUCA
1. Silos

# TOP 10 OPPORTUNITIES

10. This workshop
9. Improved modeling and forecasting approaches
8. Partnerships and collaborations
7. Improved communications
6. Recognition - the past is not the prologue for the future, the unusual is the usual

# TOP 10 OPPORTUNITIES

5. Groundwater banking
4. Whole/regional systems thinking
3. Green infrastructure
2. Improved data collection - new technologies (LIDAR, radar, collaborative monitoring, CoCoRaHs)
1. Improved information access - Internet, portals, metadata, tags, searches