

# **GEWEX**

# **Global Land Atmosphere System Study**

# **(GLASS)**

# **SSG Recommendations**

**Aaron Boone (CNRM, Météo-France)**

**Michael Ek (NCEP/EMC)**

**GLASS panel members and other GEWEX collaborators**

# GEWEX Scientific Steering Group (SSG) Recommendations

**28<sup>th</sup> Session of the GEWEX Scientific Steering Group (SSG)  
25-28 January 2016, ETH, Zurich, Switzerland**

1. Explore a World Radiation Monitoring Center (WRMC) Baseline Surface Radiation Network (BSRN) type of setup for fluent or flux measurements using or building upon European Fluent or International FLUXNET data sets.
2. Reorganize GLASS so that members have set term dates. Ensure that early career scientists continue to be represented on the Panel.
3. Setup a GEWEX monsoon crosscutting activity with GHP (Action: Paul Dirmeyer to lead representatives from both panels)
4. The Protocol for the Analysis of Land Surface Models (PALS) is a useful platform in benchmarking that should be continued. However, funding the necessary IT support required for this activity is lacking. This could be resolved with funding from Andrew Pitman. Should PALS be a community effort? Should it be promoted within other activities? Within the Earth System Model Validation (ESMVAL) community?

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5. Have a GLASS representative attend the GEWEX SoilWat Initiative Workshop in Leipzig, Germany in June 2016. [See report.](#)
6. GLASS to look at specific events/phenomena (e.g., droughts/monsoons) prediction This needs to be based upon existing diagnostics as well as personal interest to make sure action is taken. [HyMeX Workshop on Drought and Water Resources Zaragoza, Spain, 5-7 April 2016 \(A. Boone\)](#)
7. LUCID activities will be subsumed by the new Human Dimension activity under GLASS/ GHP and defined at the [GHP/GLASS meeting in October 2016](#)
8. [Develop collaborative activities related to GDAP fluorescence data, monsoons, and the GEWEX SoilWat Project \(Action: Joerg Schulz, Matt McCabe\)](#)

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9. Contact Jim Mather, DOE, regarding having mobile ARM sites deployed for PannEx. (Action: GLASS/GHP/GDAP co-chairs)
10. Consider developing a crosscutting activity (possibly an extension of LoCo) that addresses various scales (are these scalable parameters?) [See Talks](#)
11. Develop a review paper or retrospective study on how to advance modeling for partitioning LE and H observations, including what is needed and how much complexity is warranted (Action: Aaron Boone, Andrew Pitman, Nathalie de Noblet, Sonia de Senevirane, Michael Ek)
12. Organize the human dimension part of a land surface models workshop (in conjunction with iLEAPS) to be held in 2017. (Action: Richard Harding, Jan Polcher, IGPO : Eleanor Blythe has been approached and she is interested) Follow-on of ==> [Including Water Management in Large Scale Models workshop co-sponsored by GLASS and GHP Gif-sur-Yvette, France, 28-30 September 2016](#)
13. Upon its completion, publish the LoCo Coupling Indices Toolkit online.