



NCCR PlanetS General Assembly | April 2022

Future work **Extensive simulations with the LMD-Generic.** Diff. external forcings, bifurcation diagrams. **Extended temperature range - Extended** habitable zone - Observations!

[1] Brunetti, M., Kasparian, J., & Vérard, C. (2019). Co-existing climate attractors in a coupled aquaplanet. *Climate Dynamics*, 53(9), 6293-6308.

[2] Dressing, C. D. et al. (2010). Habitable climates: the influence of eccentricity. The Astrophysical Journal, 721(2), 1295. [3] Hourdin, F. et al. (2006). The LMDZ4 general circulation model: climate performance and sensitivity to parametrized physics with emphasis on tropical convection. *Climate Dynamics*, 27(7), 787-813.

Siddharth Bhatnagar, Emeline Bolmont, Maura Brunetti, Jérôme Kasparian