**Risk-based evaluations of competing agronomic climate adaptation strategies: The case of rice planting strategies in the Indo Gangetic Plains**

Maxwell Mkdondiwa,1 Anton Urfels2,3

1 CIMMYT International Maize and Wheat Improvement Center, New Delhi, India

2 International Rice Research Institute (IRRI), Los Baños, The Philippines

3 Water Resources Management Group, Wageningen University & Research, Wageningen, NL

# Highlights

* Risk is insufficiently accounted when evaluation agronomic climate adaptation options
* We improve existing risk-assessments to better evaluate agronomic climate adaptation options
* The value of the framework is especially strong in areas where different options compete\
* The framework allows to also spatially map the degree of riskiness of any options and identify least risky and highest performing ones