## Uperoleia mimula (N = 3913 data points) day mean\_min\_temp mean\_max\_temp 2.00% 0000 1.400% 1.150% 1.300% 1.50% 1.100% 1.200% sensitivity specificity model mse auc 1.00% 1.100% 1.050% RF 0.981 0.719 0.072 0.667 0.994 1.000% Calibrated RF 0.016 0.667 0.994 0.981 0.719 0.50% 100 200 300 25 50 75 20 25 35 40 0 30 mean\_rainfall rain\_3\_days rain\_10\_days 1.60% bulling 1.500% 1.400% 1.300% 1.200% 1.100% 1.50% 1.40% 1.25% 1.20% Predictor importance 1.00% 0.75% 1.00% grid\_Ing · 0.50% 100 200 300 400 200 400 500 1000 grid\_lat phase mean\_vapour 1.200% 1.60% day 1.150% 1.40% rain\_10\_days · 1.100% 1.20% 1.050% mean\_min\_temp · 1.00% 1.000% 0.25 0.50 0.75 1.00 10 20 30 mean\_vapour -Calibration model 1.00 number\_of\_samples -Calibrated prediction rain\_3\_days mean\_max\_temp mean\_rainfall phase 0.00 0.25 0.50 0.75 10 0.00 1.00 20 RF prediction Predictor Importance (Gini Index)