```r
# Estimation of annual aridity index (PE/P)
ts_obs_y <- SeriesAggreg(x = ts_obs[, c("Date", "Ptot", "Evap")],
                         Format = "%Y",
                         ConvertFun = c("sum", "sum"),
                         YearFirstMonth = 10)
ts_obs_y$Arid <- ts_obs_y$Evap / ts_obs_y$Ptot

# Identification of wetter and dryer hydrological years
barplot(height = ts_obs_y$Arid,
        names.arg = format(ts_obs_y$Date, format = "%Y"),
        xlab = "time [yr]", ylab = "aridity index [-]",
        col = "royalblue")

# Wet and dry periods
per_wet <- c("2016-10-01", "2017-09-30")
per_dry <- c("2000-10-01", "2001-09-30")

# Calibration over the wet and the dry periods
cal_wet <- CalGR(PrepGR = prep,
                 CalCrit = "KGE",
                 CalPer  = per_wet,
                 verbose = TRUE)
cal_dry <- CalGR(PrepGR = prep,
                 CalCrit = "KGE",
                 CalPer  = per_dry,
                 verbose = TRUE)

# Get parameter values at the end of the calibration step
param_dry <- GetParam(cal_dry)
param_wet <- GetParam(cal_wet)

# Get criteria values at the end of the calibration step
crit_cal_dry <- GetCrit(cal_dry)
crit_cal_wet <- GetCrit(cal_wet)

# Evaluation over the wet and the dry periods
eva_wet <- SimGR(PrepGR  = prep,
                 Param   = cal_dry,
                 SimPer  = per_wet,
                 EffCrit = "KGE",
                 verbose = TRUE)
eva_dry <- SimGR(PrepGR  = prep,
                 Param   = cal_wet,
                 SimPer  = per_dry,
                 EffCrit = "KGE",
                 verbose = TRUE)


# Get criteria values
crit_eva_dry <- GetCrit(eva_dry)
crit_eva_wet <- GetCrit(eva_wet)

# Cleveland dot plot of the criteria
dotchart(c(crit_eva_dry, crit_cal_dry, crit_eva_wet, crit_cal_wet),
         labels =  c("eva (dry)", "cal (dry)", "eva (wet)", "cal (wet)"),
         col = rep(c("darkorange", "deepskyblue3"), each = 2), pch = 19,
         xlab = "KGE [-]")
```