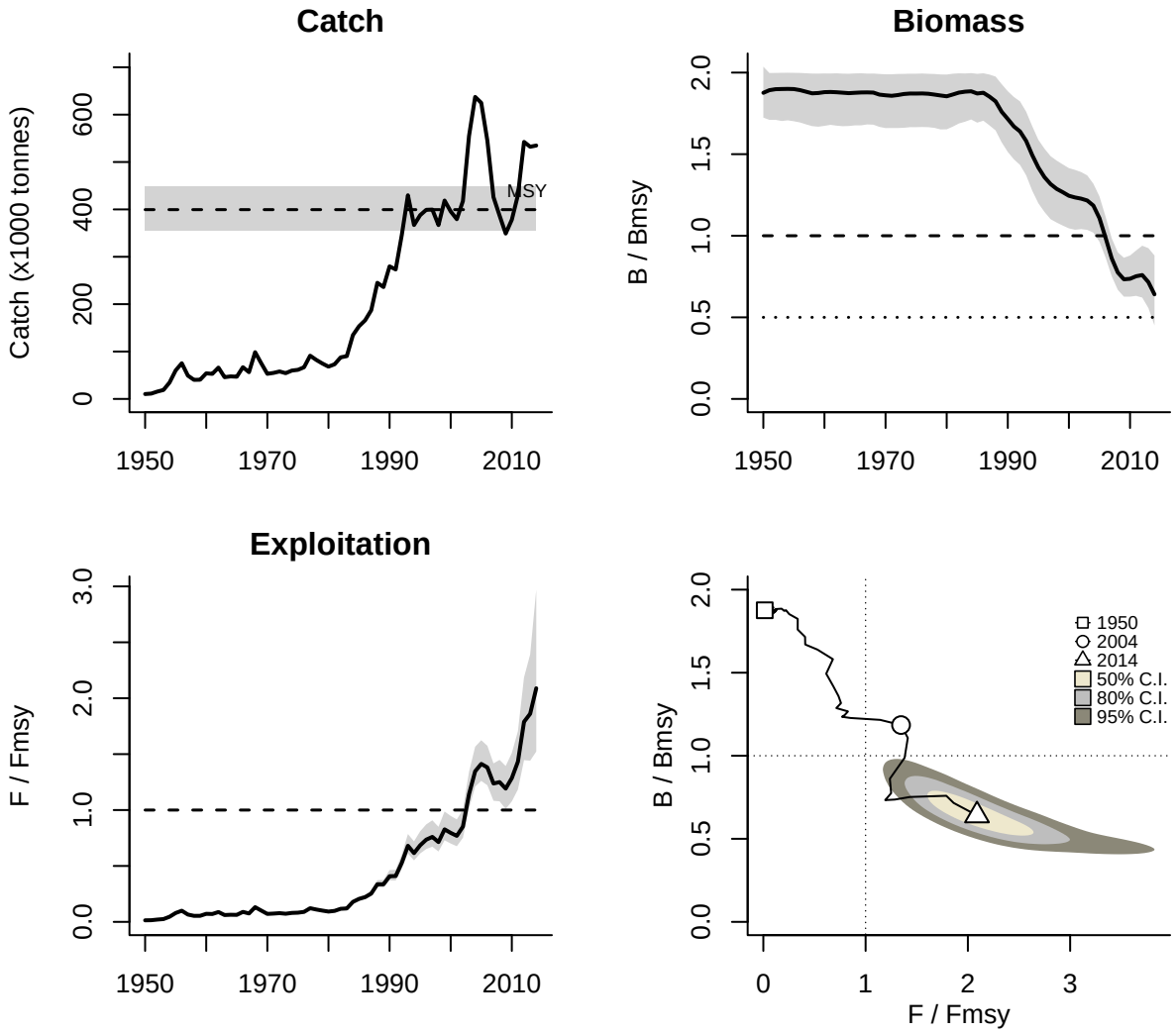

Figure 1:

Yellowfin tuna in Amsterdam-St Paul

Species: *Thunnus albacares*, Stock code: Thun_alb_IndianOcean.
Region: IOTC; SIOFA; CCSBT, Amsterdam-St Paul.
For figure captions: http://www.seaaroundus.org/cmsy-method

Results for Management (based on BSM analysis)

Fmsy = 0.237, 95% CL = 0.167 - 0.335 (r and Fmsy are linearly reduced if B < 1/2 Bmsy)
MSY = 400, 95% CL = 356 - 448; Bmsy = 1689, 95% CL = 1284 - 2220
Biomass in last year = 1082, 95% CL = 761 - 1485
B/Bmsy in last year = 0.641, 95% CL = 0.451 - 0.879
F/Fmsy = 2.09, 95% CL = 1.52 - 2.97
Comment: !! Straddling stock for Antarctic ocean (FAO area 48, 58, and 88)

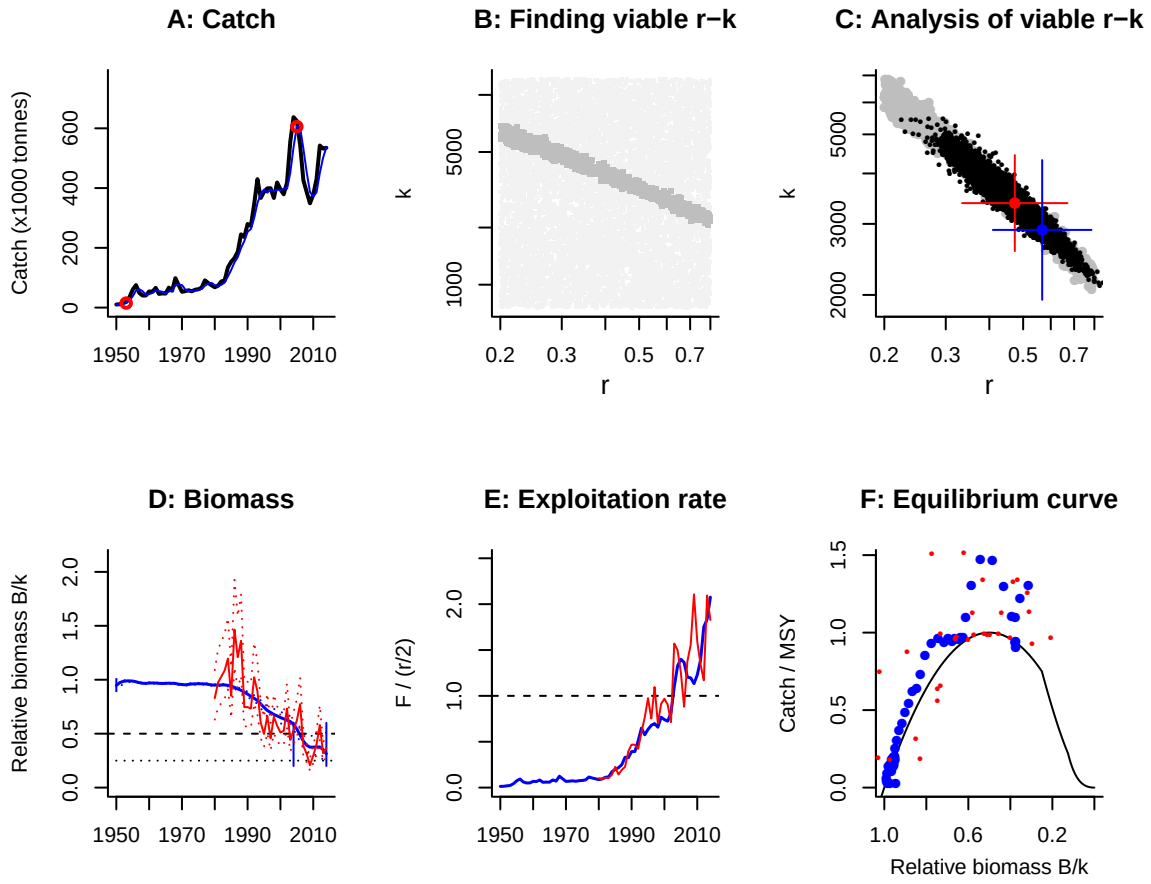

Figure 2:

MSY = 411, 95% CL = 363 - 465

Relative biomass last year = 0.313 k, 95% CL = 0.204 - 0.508

Exploitation F/(r/2) in last year = 2.08

Results from Bayesian Schaefer model using catch & CPUE

r = 0.473, 95% CL = 0.334 - 0.67; k = 3377, 95% CL = 2569 - 4441

MSY = 400, 95% CL = 356 - 448

Relative biomass in last year = 0.32 k, 95% CL = 0.225 - 0.44

Exploitation F/(r/2) in last year = 2.09

Source for relative biomass: http://www.iotc.org/sites/default/files/documents/science/species_summaries/english/Yellowfin%20tuna%20Supporting%20Information.pdf

Sea Around Us reconstructed catch data used from years 1950 - 2014 (tonnes/year)

Relative abundance data type = CPUE

Prior initial relative biomass = 0.9 - 1 default

Prior intermediate relative biomass = 0.2 - 0.6 in year 2004 default

Prior final relative biomass = 0.2 - 0.6, default

Prior range for r = 0.2 - 0.8 default, prior range for k = 757 - 12116

q = 4.28e-07, 95% CL = 3.31e-07 - 5.54e-07

Prior range of q = 2.39e-07 - 9.54e-07

Fishing mortality in last year = 0.494, 95% CL =0.36 - 0.703

Results of CMSY analysis with altogether 3105 viable trajectories for 664 r-k pairs

r = 0.567, 95% CL = 0.409 - 0.785; k = 2898, 95% CL = 1945 - 4318