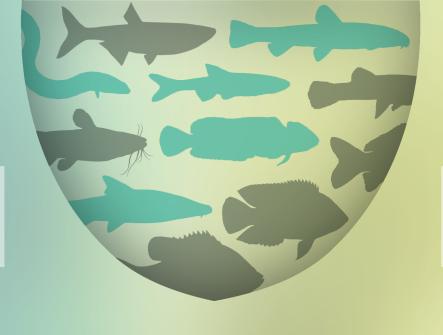


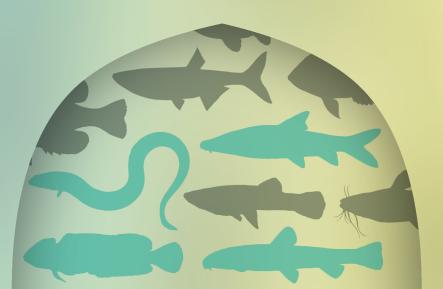
CONTEMPORARY FOOD WEBS AND FISH INVASIONS

FISH INVASION
modifies the structure of
FOOD WEBS in the Lower
Guadiana Basin

- LOWER TROPHIC
 POSITIONS in communities
 with less non-native fishes.
- DIVERSE PREY in communities with less non-native fishes, but still share most prey with them.
- NON-NATIVE FISHES eat the SAME PREY and occupy the SAME TROPHIC POSITIONS in every community.
- FOOD WEBS involve a
 HIGHER DIVERSITY OF
 PREY but LESS TROPHIC
 POSITIONS in communities
 with less non-native fishes.







HISTORICAL CHANGES IN FOOD WEBS

FOOD WEBS in the Lower Guadiana Basin have changed over the last 40 YEARS

- eaten and the TROPHIC
 POSITIONS of native
 and non-native fishes
 have CHANGED.
- varive FISHES in lower trophic positions have REDUCED the diversity of prey eaten.
- kept their trophic positions but have INCREASED THE DIVERSITY OF PREY eaten.
- may have been a response of native fishes to invasions, and probably indicates PREY DIVISION with non-native fishes.