

Project Update: June 2013

The basic aim of the first part of the project - to collect new faunistic data on endangered dragonfly fauna of Sri Lanka and to improve knowledge on globally endangered dragonfly species, their distribution, biology and habitats – has been successfully completed with fieldwork in July and in October and November 2012.

As the second part of the project the odonatological database founded in 2005 was closed for new entries in March 2013 and work on analyses for the publication of *Distribution Atlas of the Dragonflies of Sri Lanka* started. The database consists of over 11.600 faunistic records. All existing odonatological data known to the authors, extracted from museum collections, literature or submitted as unpublished field observations of numerous colleagues as well as those collected in the frame of Rufford Small Grant Project were included. Over 1.300 localities with odonatological data were geolocated and with the help of MS Excel, MS Access and ArcGIS different analyses and distribution maps were produced. In the continuation some analyses derived from the collected data are presented (Figs. 1-6).

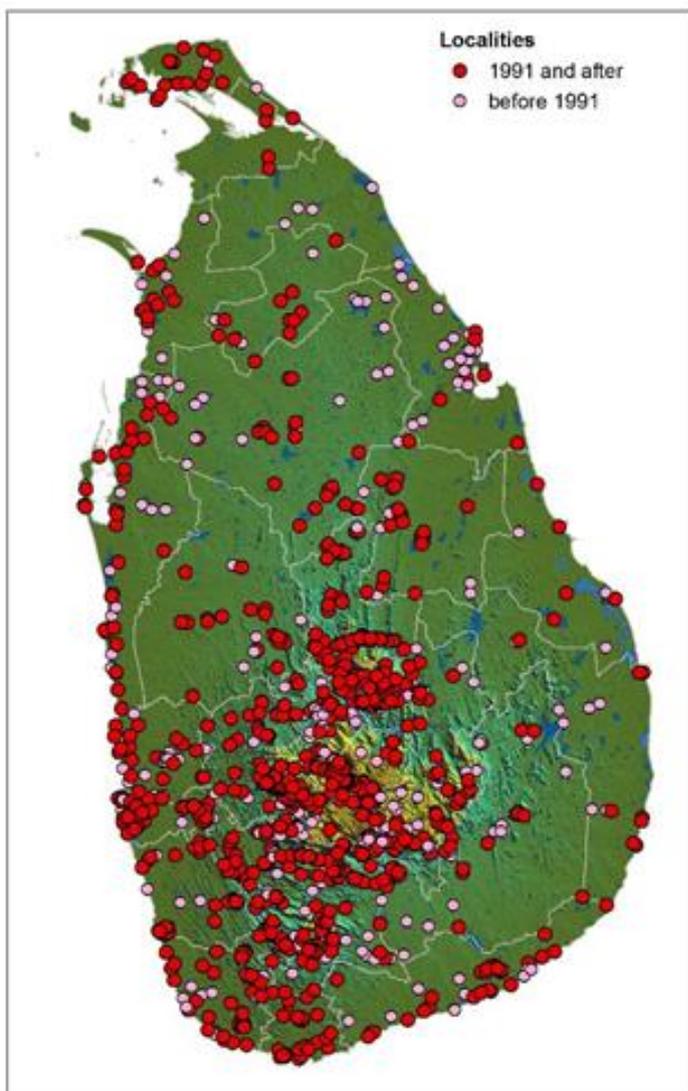


FIGURE 1. Sri Lanka overview map with more than 1300 dragonfly localities and age structure of data – localities with records after 1991 are marked with red dots [ex *Distribution Atlas of the Dragonflies of Sri Lanka*].

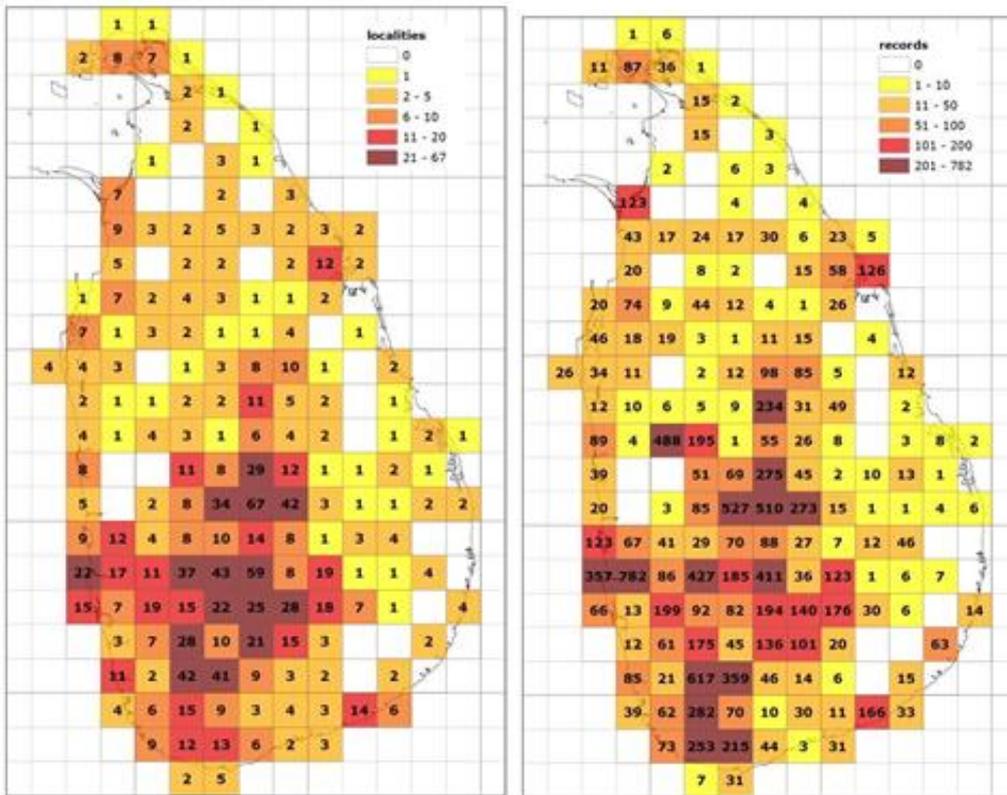


FIGURE 2. Number of odonatological localities per 20x20 km UTM squares [ex Distribution Atlas of the Dragonflies of Sri Lanka]. FIGURE 3. Number of odonatological records per 20x20 km UTM squares [ex Distribution Atlas of the Dragonflies of Sri Lanka].

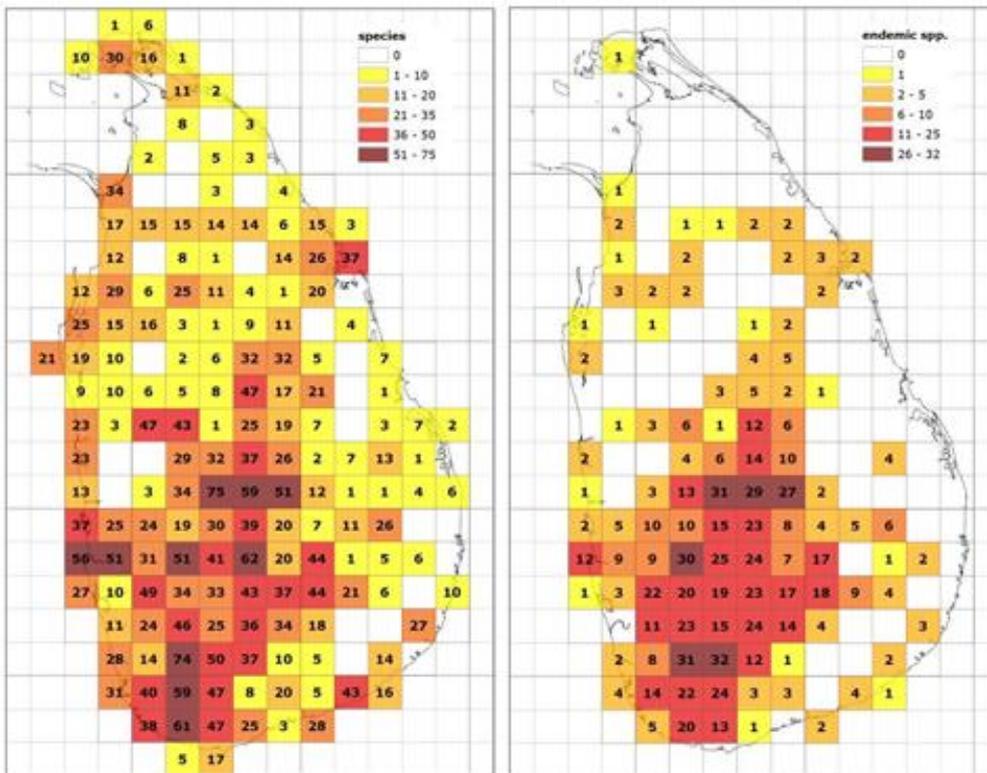


FIGURE 4. Number of dragonfly species per 20x20 km UTM squares [ex Distribution Atlas of the Dragonflies of Sri Lanka]. FIGURE 5. Number of endemic dragonfly species per 20x20 km UTM squares [ex Distribution Atlas of the Dragonflies of Sri Lanka].

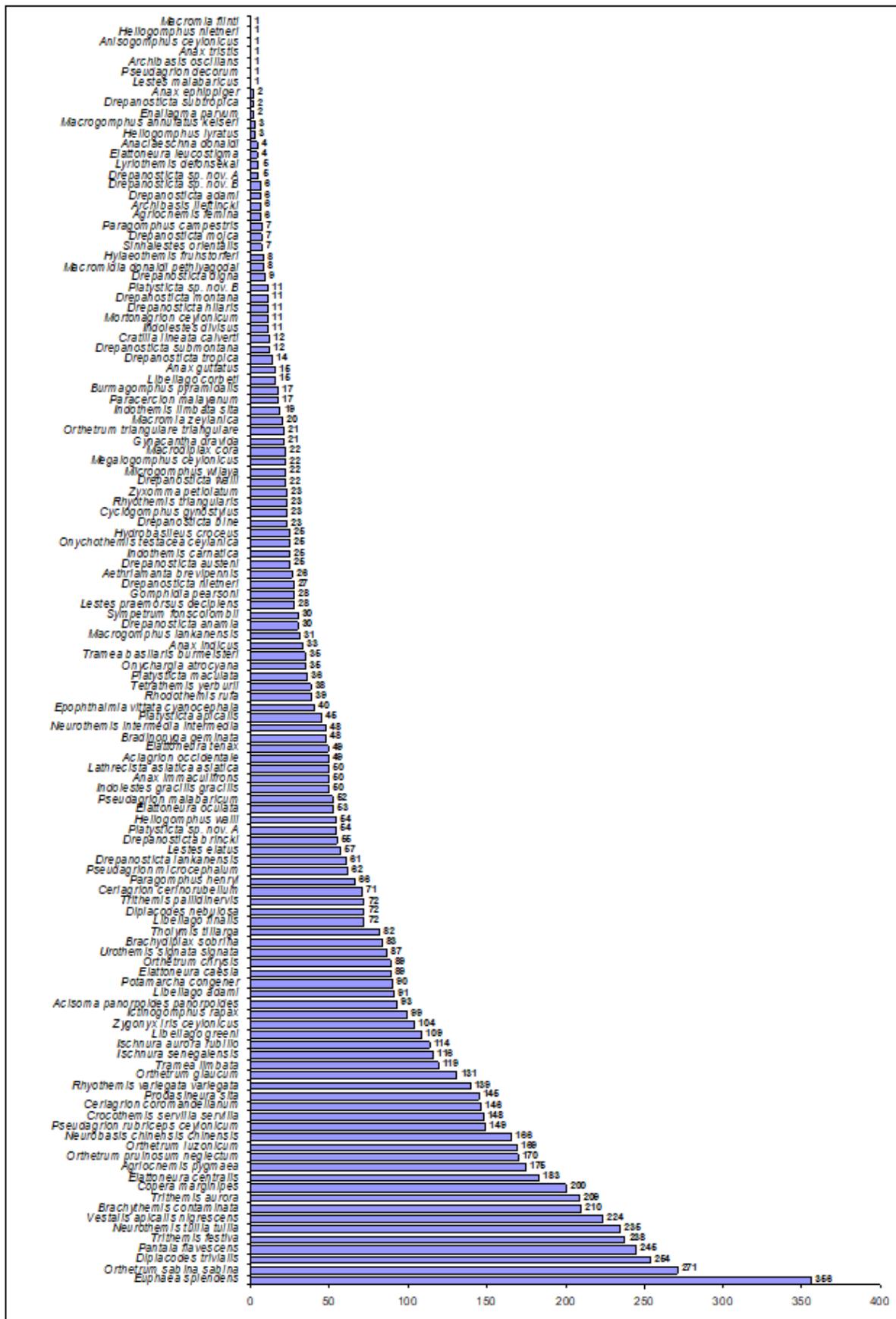


FIGURE 6: Example of data analysis summary: Number of recorded localities for all dragonfly species from Sri Lanka [ex Distribution Atlas of the Dragonflies of Sri Lanka].

