malariaAtlas: an R interface to open-access global malariometric data to support spatial epidemiological analysis

**Things to include somewhere:**

* reference to the new web-based tools

**Background:**

* Importance of the data – current uses in global decision-making and
* Overview/update of the data estate
* Purpose of the package
* Overview of example analyses and their utility

**Package Overview:**

Exploring available data:

* listAll – pr points; rasters; shapefiles

Downloading & visualising Data:

* getPR & autoplot
* getRaster & autoplot
* getShp

- N.B. by country; geographic bounding box; shapefile

Manipulating Data:

* extract raster values for a set of coordinates
* calculate zonal statistics from a raster for a given administrative unit/shapefile/bounding box

**Example Analyses:**

1. Estimated spatial distribution of PR in a country

2. Zoon-based analysis

**Discussion & Conclusions:**

Future developments:

- download