

How to install the 'MODISFire' R-Package:

The 'MODISFire' package may be downloaded [here](#). The software may be updated on an irregular basis without further notice. Please note that we cannot provide installation support.

Dependencies

[R ≥ 3.2.0](#)
[rgdal](#)

Linux (recommended)

Type following line in R:

```
install.packages("path-to-package/MODISFire_1.0.0.tar.gz",  
  repos=NULL)
```

Windows (not recommended*)

1) Extract the tarball

2) Type following line in R:

```
install.packages("path-to-package/MODISFire", repos=NULL,  
  type="source")
```

* might be non-functional – depending on the 'rgdal' installation. 'rgdal' must be built with HFD4 support, which is currently not standard under Windows. We recommend to consult the internet about building 'rgdal' – or to simply perform the analysis under Linux, where 'rgdal' comes with all necessary drivers.

Usage and Citation

The main functions are 'mfACTIVEFIRE' and 'mfBURNEDAREA', which generate the Active Fire and Burned Area products described in the scientific publication. For details, refer to the man pages and the package description. MODIS data (MOD14A1, MYD14A1, and MCD45A1 products) may be downloaded automatically from LP DAAC. Note that the URL, or the access situation may change at any time without notice, in which case the download functionality will be broken. Note that server maintenance is scheduled weekly, which will temporarily disable the download functionality. The citation of following publication is mandatory, and we suggest to acknowledge the MODIS products as specified on the [LP DAAC's web pages](#).

Stellmes, M., Frantz, D., Finckh, M., and Revermann, R. (2013). **Fire frequency, fire seasonality and fire intensity within the Okavango region derived from MODIS fire products**. In Oldeland, J., Erb, C., Finckh, M., and Juergens, N. (Eds.), *Special Volume: Environmental Assessments in the Okavango Region, Biodiversity & Ecology* 5, 351-362. DOI: [10.7809/b-e.00288](https://doi.org/10.7809/b-e.00288)