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## mapview - Interactive viewing of spatial data in R

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In this talk we would like to introduce mapview, an R package designed to aid researchers during their work-flow of spatial data analysis. The package was initially developed within the framework of the DFG funded research group "KiLi - Kilimanjaro ecosystems under global change: Linking biodiversity, biotic interactions and biogeochemical ecosystem processes" but has quickly developed into a general purpose spatial data viewer. mapview provides some powerful tools for interactive visualization of standard spatial data in R. It has support for all Spatial\*(DataFrame) objects as well as all Raster\* objects. It is designed so that one function call - mapview(x) - is all you need to view the data interactively. Adding layers to existing views is very easy and we have taken great care in providing suitable defaults for features such as background maps or coloring but things can be customized flexibly (and permanently) to suit different needs. Even though mapview is for most parts based on the leaflet package, it is far more than just a convenience wrapper around leaflet functionality. mapview provides additional features for handling big data sets (up to several million points) as well as some specialized functionality to view and compare rasters of any size with arbitrary coordinate reference systems. Given that mapview is merely a bridge between R and the underlying leaflet.js javascript library, mapview can be used to produce web-maps by simply providing the path to a designated folder.

This talk will be a live demonstration of some of the key features of mapview.