

Authentication

The SPECS-EUPORIAS Data Portal is based on a password-protected THREDDS data server providing metadata and data access to a set of geo-referenced atmospheric variables using OPeNDAP and other remote data access protocols. Therefore, before accessing the data, authentication is required at the SPECS-EUPORIAS Data Portal.

Within a R session, this step can be easily accomplished assuming that we already have a valid username and password. To this aim, in the following lines we illustrate how to proceed using the R-to-Java interface provided by the package rJava (For more information on the authentication procedure click on [?the help page](#)).

```
> username <- "myUsername" # This is a character string with the username
> password <- "myPassword" # This is a character string with the password
> aux <- .jnew("ucar/nc2/util/net/HTTPBasicProvider", username, password)
> J("ucar.nc2.util.net.HTTPSession")$setGlobalCredentialsProvider(aux)
```

IMPORTANT: proxy server connections

In case the connection is performed via a proxy, it is necessary to set up the proxy prior to the authentication step, in order to connect to the server.

```
> proxyHost <- "proxy.host.com" # Your institution Proxy configuration: host
> proxyPort <- as.integer(1234) # and port
> J("ucar.nc2.util.net.HTTPSession")$setGlobalProxy(proxyHost, proxyPort)
```

Note that the object `proxyHost` is a character string, whereas the `proxyPort` must be an integer.