Authentication

The **ECOMS-UDG** is based on a password-protected THREDDS using OPeNDAP and other remote data access protocols. Therefore, before accessing the data, authentication is required. To this aim, user's must be registered and activate the required roles, as described in the [?Registration section](#).

Once registered as users, the registration within the R session can be easily accomplished assuming that we already have a valid username, role and password, with a simple call to the function `loginECOMS_UDG`, providing HTPP authentication:

```
username <- "myUsername" # This is a character string with the username
password <- "myPassword" # This is a character string with the password
loginECOMS_UDG(myUsername, myPassword)
```

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
loginECOMS_UDG(myUsername,
               myPassword,
               proxy.host = proxyHost,
               proxy.port = proxyPort)
```

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