# Possible architecture for cache synchronization and metadata exchange between GISCs

## Alternative solution to Multicast data transfer, full mesh of bilateral links, and a cloud solution

The goal of this paper is to encourage a discussion for a short term solution while the investigations into the other possible solutions are going on.

As already mentioned, the use of the ftp protocol is meanwhile wide spread and used during the GISCs. If it is too much of an effort or impossible to set up all 14 bilateral links, another option might be to set up the number of links that are possible and come to an agreement to receive all data for the 24 h cache over these links.

Additionally, it could be helpful to use Internet ftp/http(s) servers where the 24 h cache is stored for the data exchange ( ftp server Offenbach see doc 05).

## Recommended Text

As a short term solution it is suggested to set up the bilateral links between the GISCs that are possible and exchange the 24 h cache over these links. It is also suggested to further investigate the usage of Internet ftp/http(s) servers for this purpose.