

## To Do List for transferring data to the Geofon Archive

### \* Request a network code at FDSN

Caution, there are a few little traps here:

Please make sure to choose **Do nothing right now** if you do not already have a DOI minted for your network. GFZ will mint a DOI for you and **afterwards** insert it into the FDSN network mask.

Please also make sure that you choose the right institution at **Operating institution**. You can also insert a new institution if you can't find yours in the drop down menu. **Please do not choose Geofon Program here!**

Choose Geofon as your webservices in order to enable FDSN to get your station metadata from our webservices automatically.

<http://www.fdsn.org/networks/request/temp/>

Please forward the response message to **geofon\_dc(at)gfz-potsdam.de!**

### \* Data Preparation

For data preparation we recommend the GIPptools from the Geophysical Instrument Pool Potsdam by Christof Lendl if necessary:

<http://www.gfz-potsdam.de/en/section/geophysical-deep-sounding/infrastructure/geophysical-instrument-pool-potsdam-gipp/software/gipptools/>

The receiver program on our server expects MiniSEED with the following configuration:

1. header containing the final network code (assigned by FDSN)
2. header containing appropriate station code, channel naming and location code
3. blocksize: 512 or 4096
4. ByteOrder: BigEndian
5. Compression: Steim1 or Steim2 (please be consistent station wise to avoid different compressions in one day file))

**\* Send Metadata**

Please provide

- FDSN network code
- StartYear - EndYear
- Title
- Operating Institution
- PI
- open / restricted

and either station.xml or inventory.xml or a table like the following example:

Code	Place/Country	DataLogger %Device%Gain	Sensor%Device	SamplRate	Channel	Latitude	Longitude	Altitude(m)	LocalDepth(m)	StartDay	EndDay
CARA	Caramba/Chile	CUBE %1234%400000	Trillium-Compact %4321	100	ZNE	0.0845	29.8952	1500.0	0.5	2006/123	2007/007:155
CARA	Caramba/Chile	CUBE %1234%400000	Trillium-Compact %9999	100	ZNE	0.0845	29.8952	1500.0	0.5	2007/007:1200	2008/300
CUCA	Cucaracha/Chile	CUBE %5555%400000	Trillium-Compact %7777	100	ZNE	-0.0356	30.2345	2500.0	0.5	2006/124	2008/302
SOSA	Sosaca/Chile	CUBE %4444%400000	Trillium-Compact %2143	100	ZN(0.0,-19)E(0.0,7	-0.0654	30.5432	500.0	0.0	2006/128	2008/298

### \* **Data transfer**

Now you have to download and install the ringserver client software:

<https://github.com/iris-edu/miniseed2dmc>

Please read the manual. It's possible to do **Dry Runs** (without server connection) for testing purpose, in order to find out if data would have been transferred.

The next step should be the transfer of a small amount of data to see if all criteria have been met.

Call **miniseed2dmc -v 139.17.3.177:port** with port number being assigned by our data centre.

Looking forward to hosting your data at our data centre,  
the GeoFoN data centre team