

ObsPy: Event and Station handling

ObsPy Workshop

ObsPy Developers

SED/ETHZ

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Inventory Data

- Can currently read/write/convert between SEED and XML-SEED.
- RESP file support.
- StationXML support is planned.

```
000001V 010009402.3121970,001,00:00:00.0000~2038,001,00:00:00.0000~  
2009,037,04:32:41.0000~BayernNetz~~0110032002RJOB 000003RJOB 000008  
...
```



```
<?xml version='1.0' encoding='utf-8'?>  
<xseed version="1.0">  
  <volume_index_control_header>  
    <volume_identifier blockette="010">  
      <version_of_format>2.4</version_of_format>  
      <logical_record_length>12</logical_record_length>  
      <beginning_time>1970-01-01T00:00:00</beginning_time>  
      <end_time>2038-01-01T00:00:00</end_time>  
    ...
```

Events - Work in progress

- Aims to get a unique interface independent of the data source.
- Currently has limited QuakeML support.
- In development. If you have any good ideas let us know.

```
>>> from obspy.core.events import readEvents
>>> url = "http://www.seismicportal.eu/services/..."
>>> catalog = readEvents(url)
>>> print catalog
99 Event(s) in Catalog:
2012-04-11T10:43:09.400000Z | ... | 8.2 Mw | ...
2012-04-11T08:38:33.000000Z | ... | 8.4 M | ...
...
```