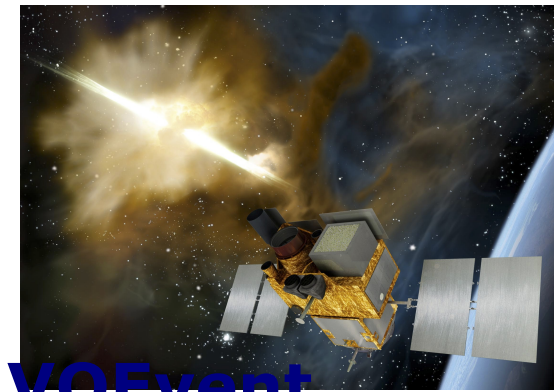


Feedback on VOEvent installation At PADC

**Regis Haigron, Cyril Chauvin, Pierre Le
Sidaner**

Why ?



Request from projects to have VOEvent distribution

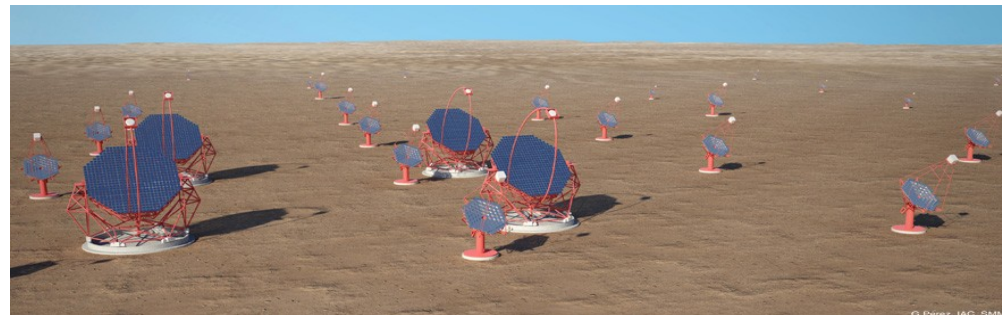


– **SVOM**



– **Europlanet – RI H2020 space weather**

– **CTA**



– **IMCCE eclipse and occultation for small bodies of the solar system**

**We have tested the three propositions
from IVOA pages**

- Comet (server + client)**
- Dakota (server + client)**
- PyGCN (client)**



Installation and config

Comet : python base framework

Install is easy, in my case dependency where not handle by pip.

– No config file

Config is inside starting command line

```
twistd comet --receive --broadcast --local-  
ivo=ivo://vopdc.obspm/voevent#toto --whitelist 127.0.0.1/32 --whitelist  
145.238.0.1/16
```

–

Dakota : .net base framework.

**Scary : Only binary available + web page
2012**

- **Install is easy using mono in linux** (on debian must install mono-complete not only mono package). **Take care to use Dakota 3, not 2.**
 - **4 configuration files to describe server, client broker.**



Installation and config

PyGCN : Python.

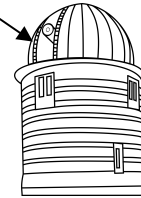
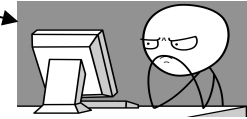
- Just to test the sent of event and compatibility**
- very simple no much functionality**

How it work

Observe an Event



Broker



XML serialisation
who, what, where, how

Author

Use an Agent to
send VOEvent

Subscribers



Author

COMET :

```
comet-sendvo --host=voparis-comet.obspm.fr -port=8098 --file=test.xml
```

DAKOTA :

```
mono sendvo.exe -b voparis-comet.obspm.fr -p 8098 test.xml
```

Comet send event to Dakota

**Dakota unable to send to Comet (we don't succeed
GpG error)**

PUBLISHER

- Both Dakota and Comet (Filter discuss later)



Client : Dakota / Comet /PyGCN

PyGCN : Simple and light python client

```
./pygcn-listen voparis-dakota.obspm.fr:8099
```

COMET :

```
twistd comet --remote=voparis-dakota.obspm.fr -v --local-  
ivo=ivo://test/aaa#1 --save-event  
--filter='//Who[AuthorIVORN="ivo://obspm.gepi/svom"]'
```

DAKOTA :

```
edit file : $DAKOTA_DATA/Config/RemoteBrokers.txt , insert  
voparis-dakota.obspm.fr:8099
```

Command line :

```
mono Dakota.exe
```



Filtering

Allow client to chose a selection of VOEvent from broker

COMET server functionality using Xpath syntax

Conclusion

- **DAKOTA seems more configurable via config files.**
- **COMET seems more interoperable and proposes a filtering mechanism.**