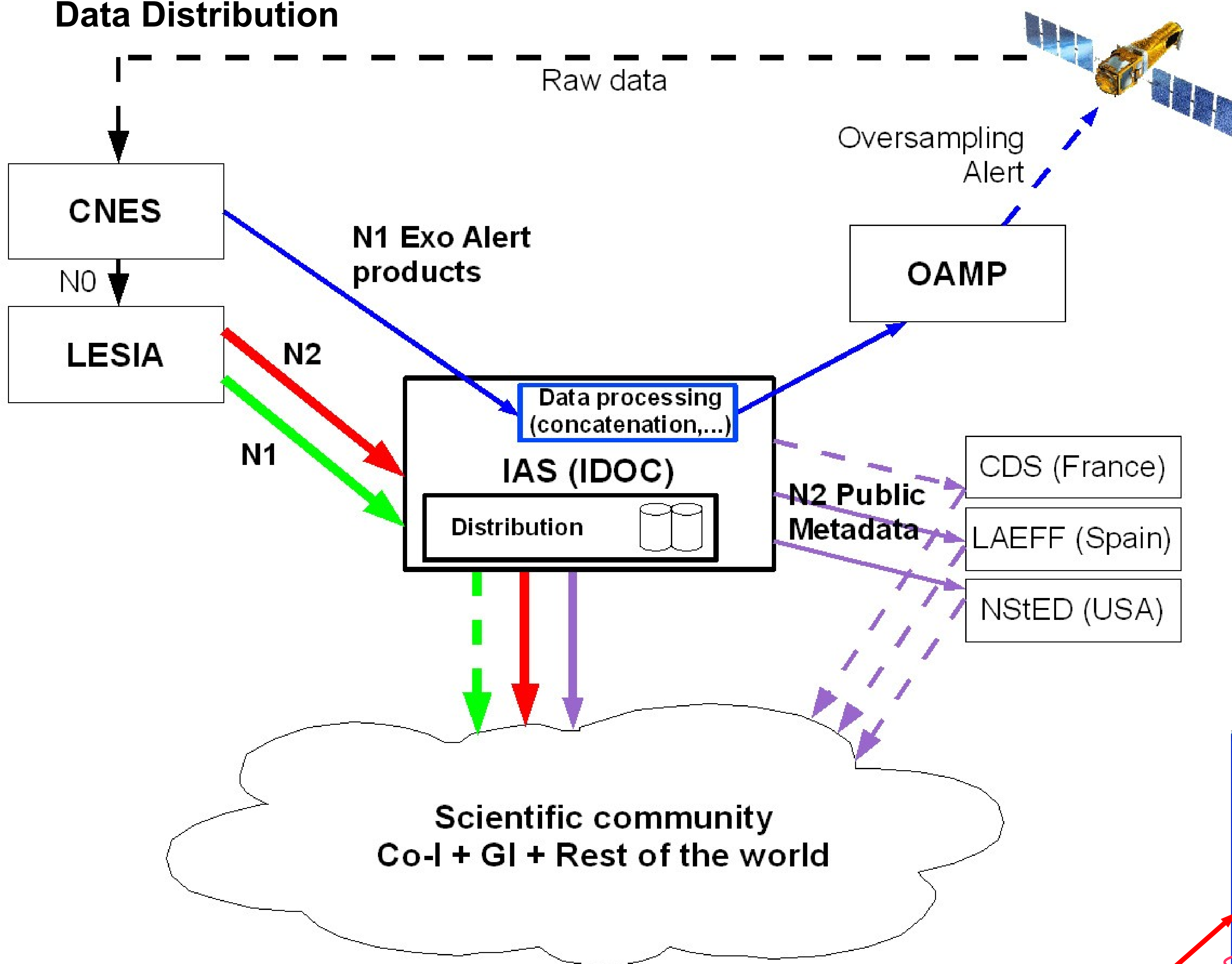


Once the data are treated to be ready for scientific use, they are distributed to the CoRoT community, before becoming public. We briefly describe here the scheme of data distribution, the data distribution policy, some technical aspects, some statistics about the data distribution, and expected evolution of the web interface for data requests.

<http://idoc-corot.ias.u-psud.fr/>

Data Distribution



- **N1 Exo Alert products** are received every week from CNES. After a local treatment (concatenation of daily files), data are forwarded to OAMP which manages the alert mode (in order to oversample interesting stars).

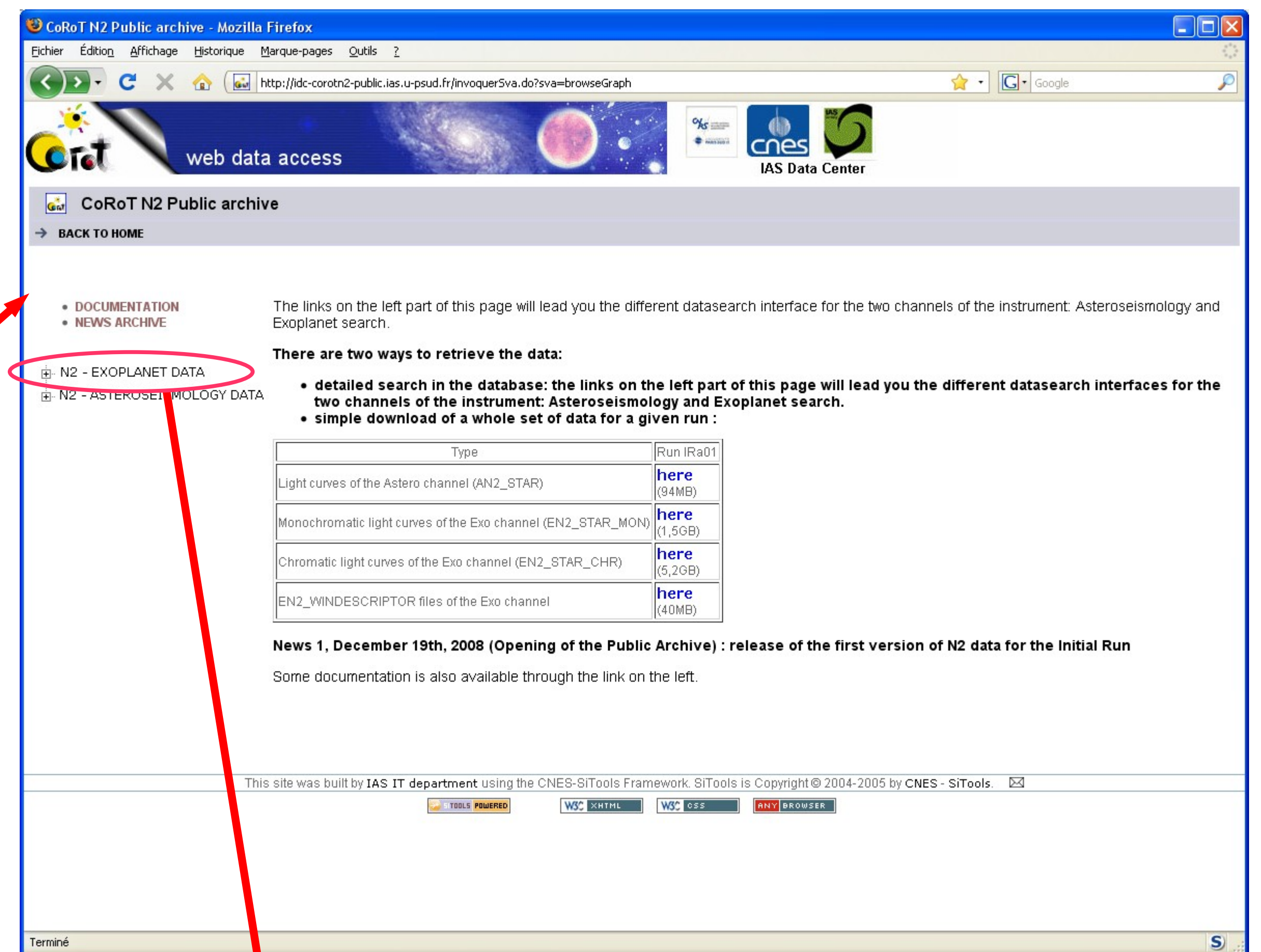
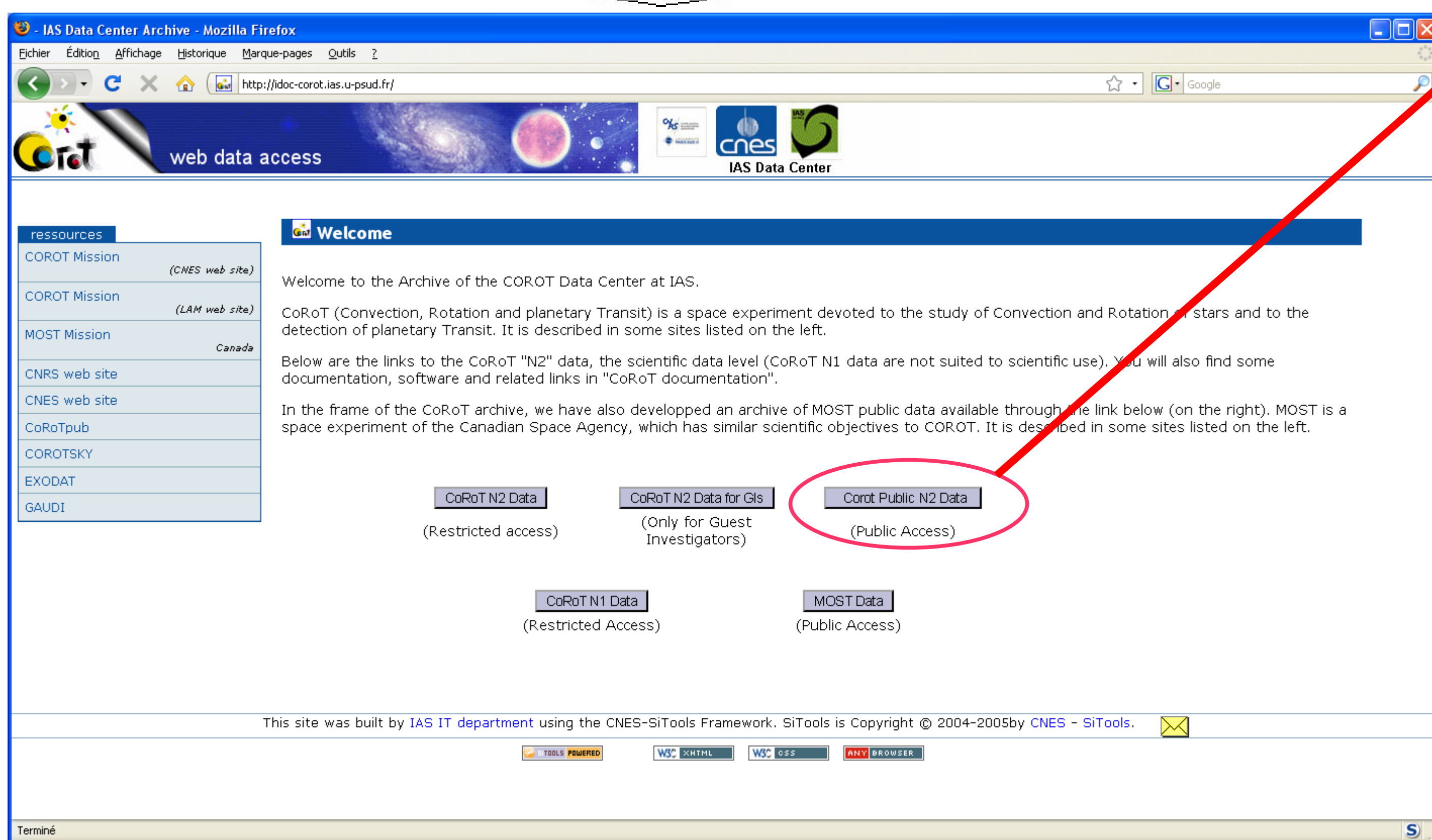
- **N1 products** are received from LESIA. Those data are restricted to a limited community.

- **N2 products** are received from LESIA. Those data are available to 70 CoIs and few GI.

- N1 and N2 products are available through the interface or in a set of complete runs.

- **N2 Public Data** are available since 19 December 2008.

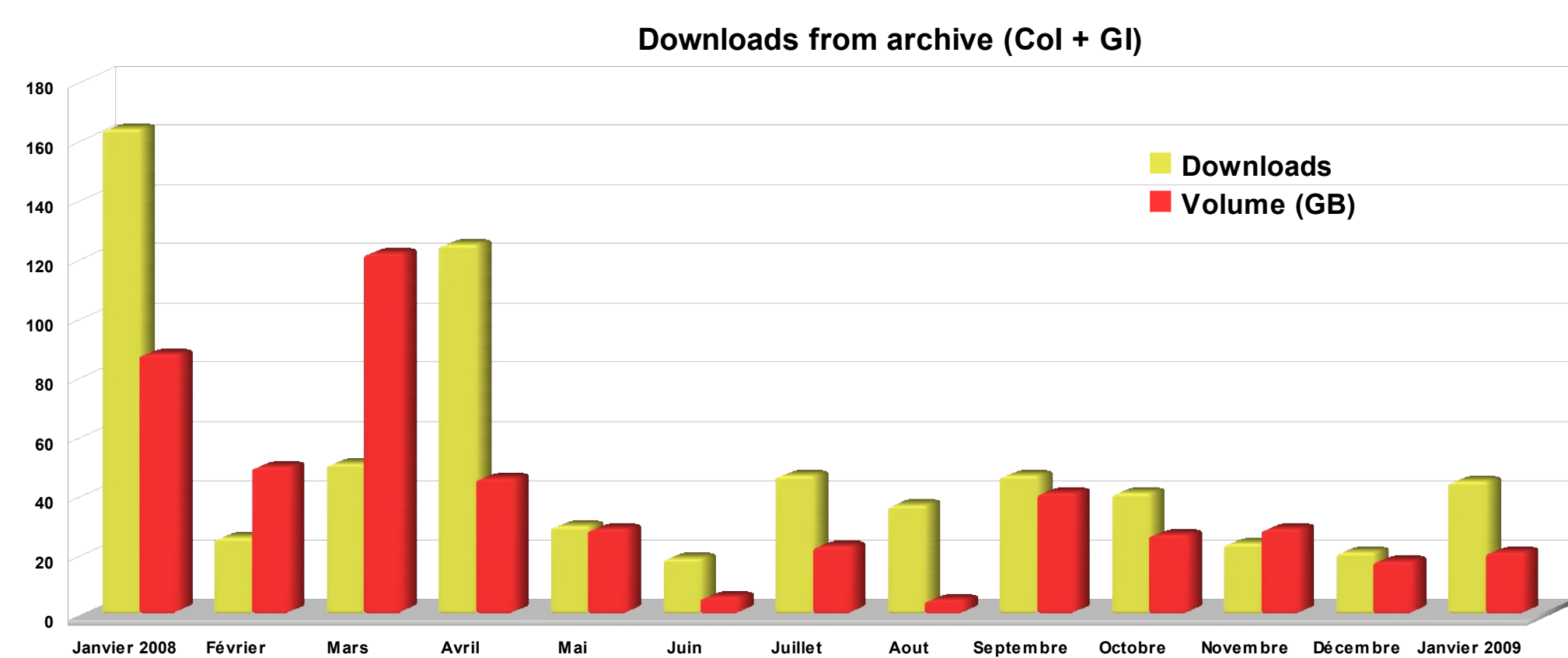
- Our N2 public metadata file are sent to LAEFF and NASA (NstED) for their own public interface (and soon available for CDS).



Some statistics

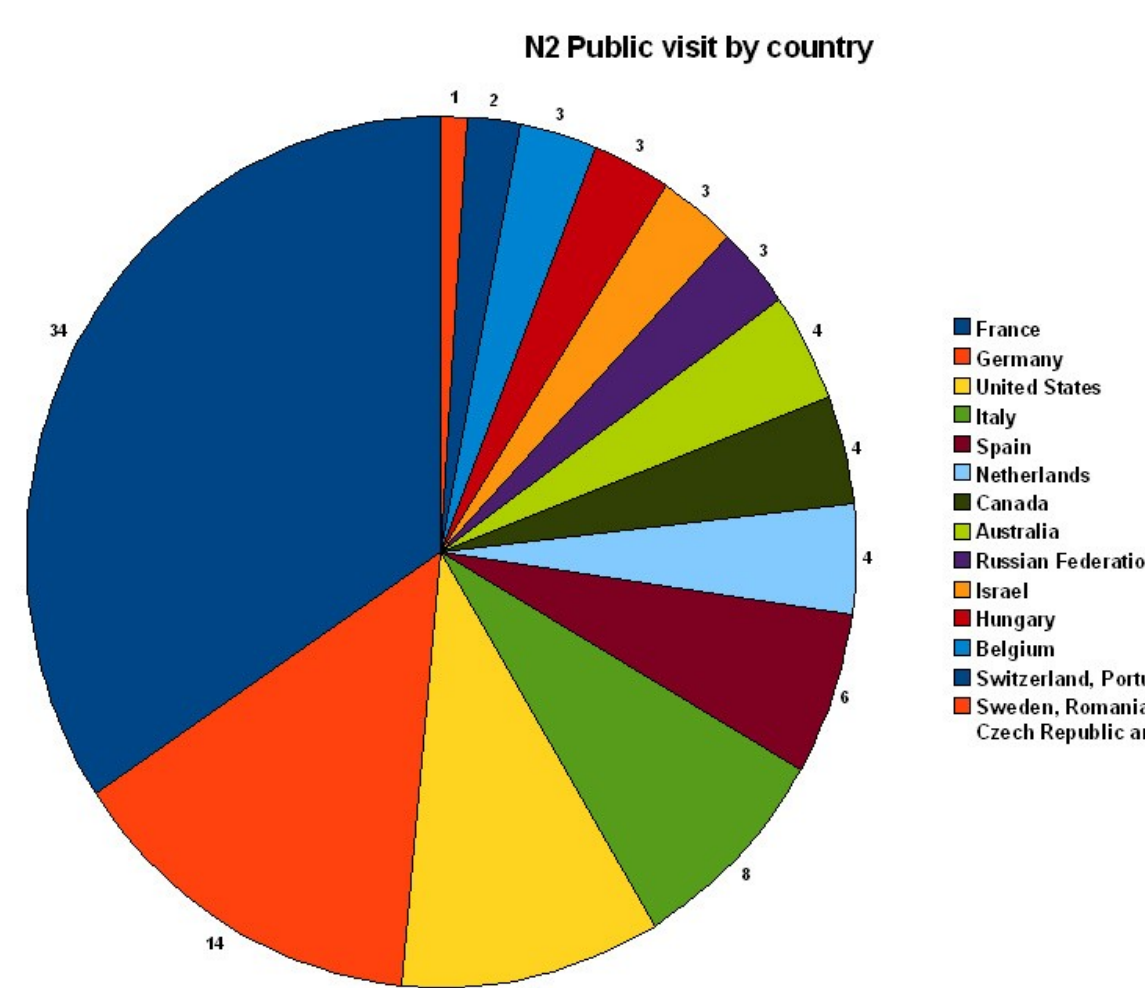
CoI and GI archive

Since the end of December 2007, a total volume of 5.4 TB (compressed N2 products) has been downloaded from the CoRoT archive (484 GB through the search interface, and 4.9 TB as complete runs).



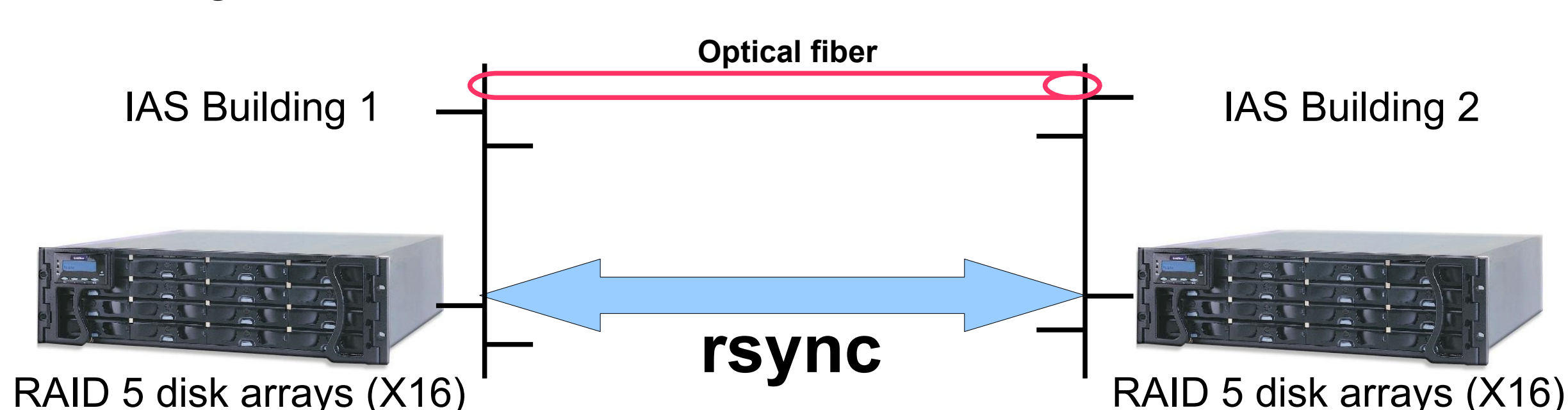
Public archive

In only one month (since the end of December 2008), the N2 public archive was visited 210 times by 108 different users, following the geographic distribution shown here.



Data integrity and availability

All versions of products (N1 Alert + N1 + N2) are stored on two redundant RAID disk systems installed in two different buildings.



Technical consideration

The archiving system is based on open-source software : Linux 2.6, PostgreSQL, Perl,...

The interface is implemented using SITools, a tool developed by CNES.



(<http://vds.cnes.fr/sitools/tech.htm>)

Evolutions

- Access to the various versions of the same run ;
- Implementation of an RSS feed to be notified as soon as new data are available ;
- Selection based on star pulsation characteristics (extract from N3 products).