Data Access & Integration (DAI)

Activities

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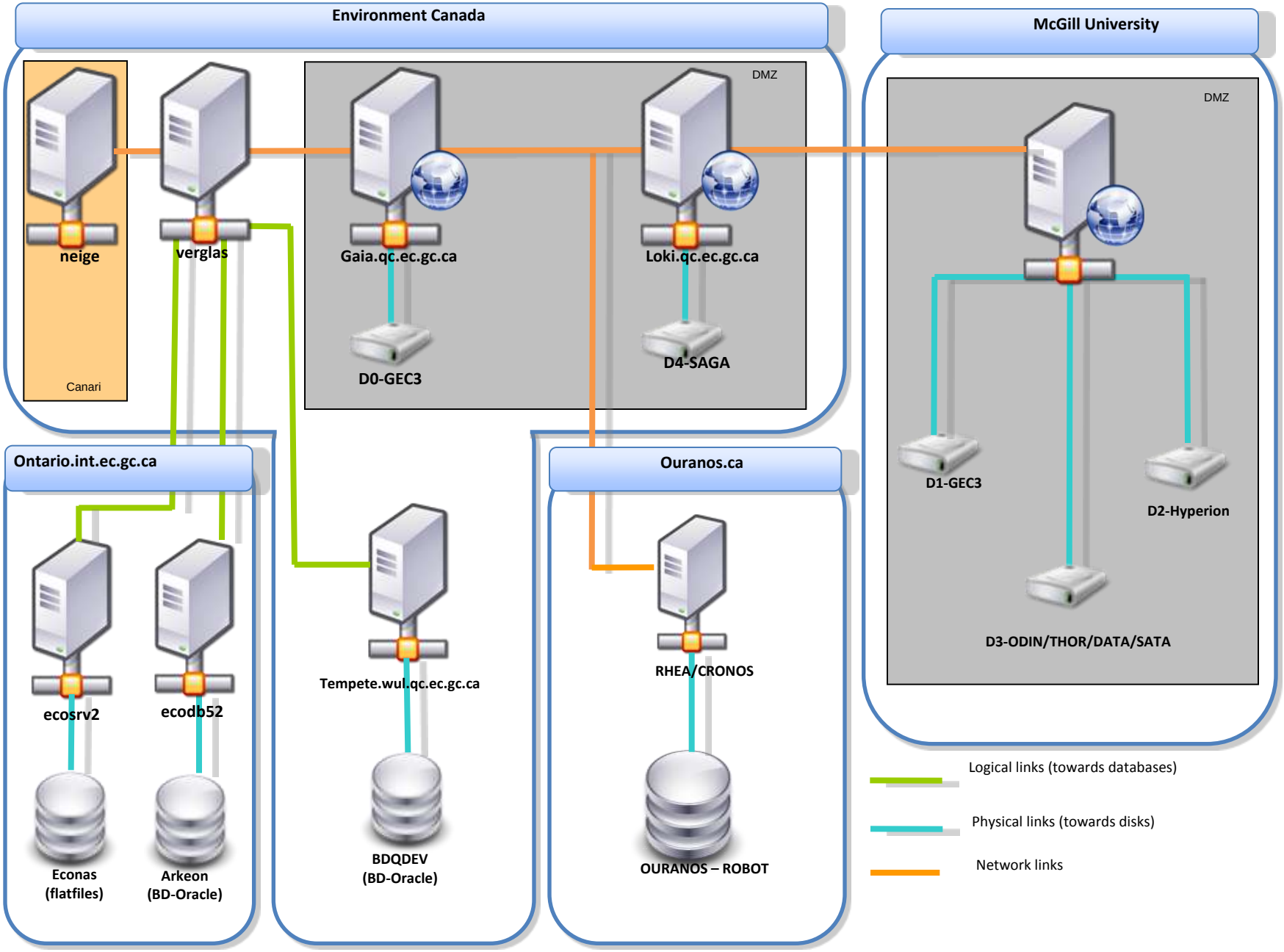
In brief

- **LOKI: New Web server with 2 processors. (DAI website)**
- **GAIA: Old Web server with 2 processors. (DAI website clone)**
- **ODIN: server with 4 AMD dual processors at 2.6Mhz each**
- **Disc storage of 40 T + 20 tapes library of 400G**
- **4 professionnals**

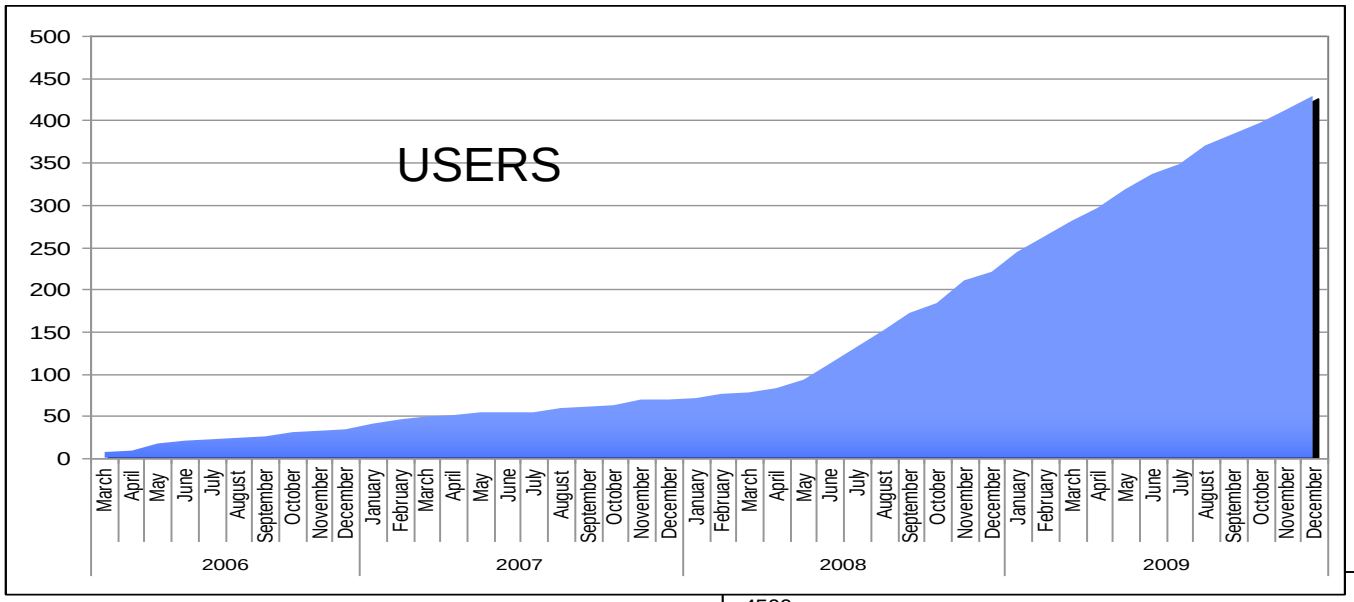

Environment Canada
McGill University
DMZ
DMZ
neige
Canari
verglas
Gaia.qc.ec.gc.ca
Loki.qc.ec.gc.ca
D0-GEC3
D4-SAGA
D1-GEC3
D2-Hyperion
D3-ODIN/THOR/DATA/SATA
Ontario.int.ec.gc.ca
Ouranos.ca
ecosrv2
ecodb52
Econas
(flatfiles)
Arkeon
(BD-Oracle)
Tempete.wul.qc.ec.gc.ca
BDQDEV
(BD-Oracle)
RHEA/CRONOS
OURANOS – ROBOT
Logical links (towards databases)
Physical links (towards disks)
Network links

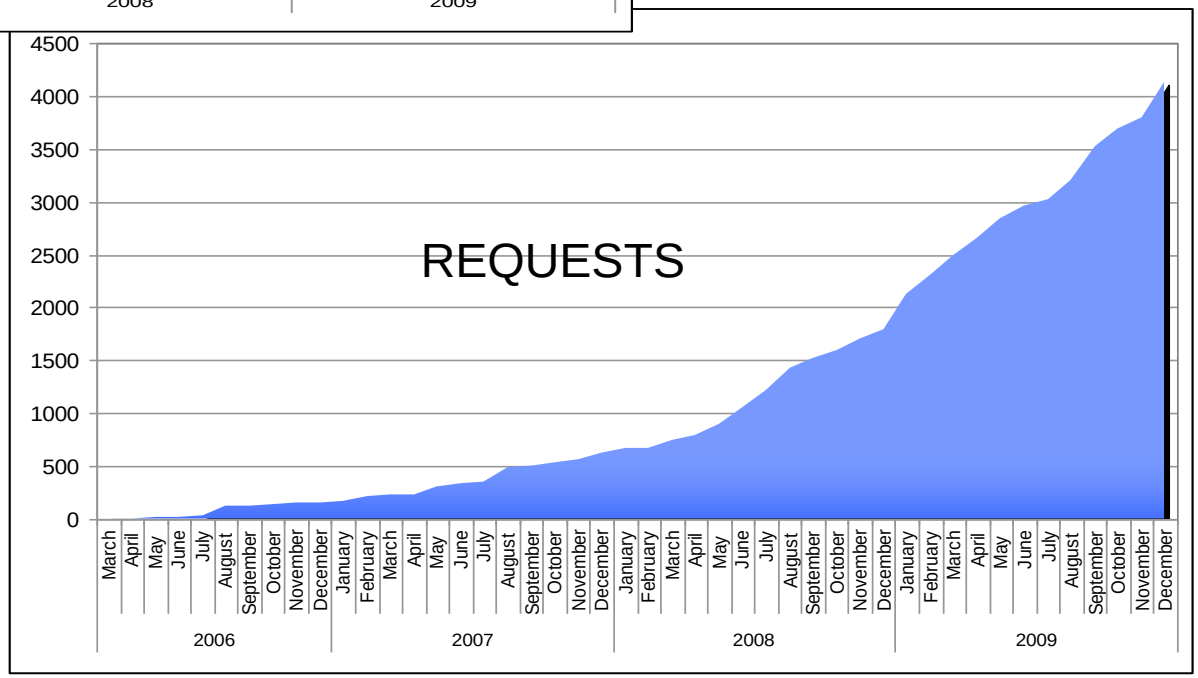
In brief

- DAI system hosted in EC and at McGill

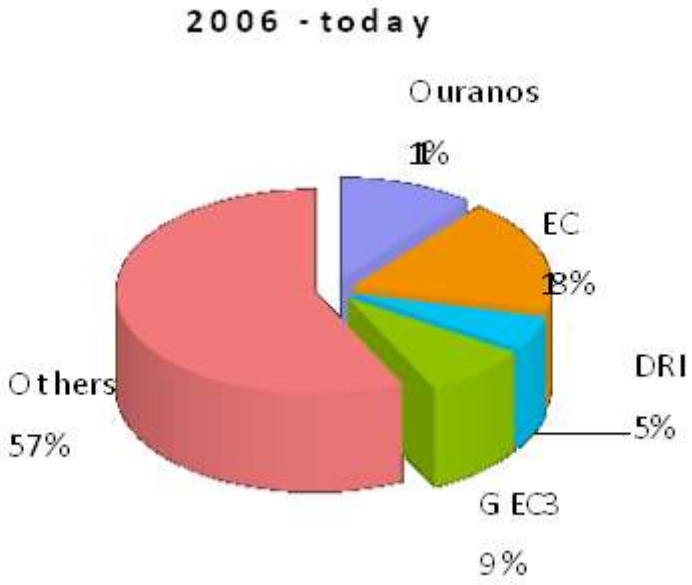
- Catalogue and available data
  - CRCM data
  - Observation (EC data)
  - Reanalysis data (NARR)
  - RCM data (CRCM, ARPEGE)
  - GCM data (CGCM2, HADCM3, ECHAM4)
  - Satellites and remote sensing data (NDVI)

Evolution of number of users and requests

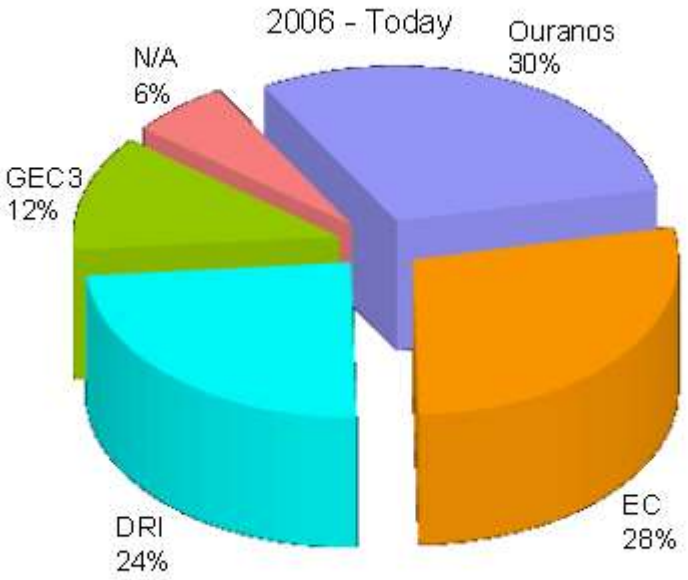




Comparison of users and requests



Distribution of users



Distribution of requests

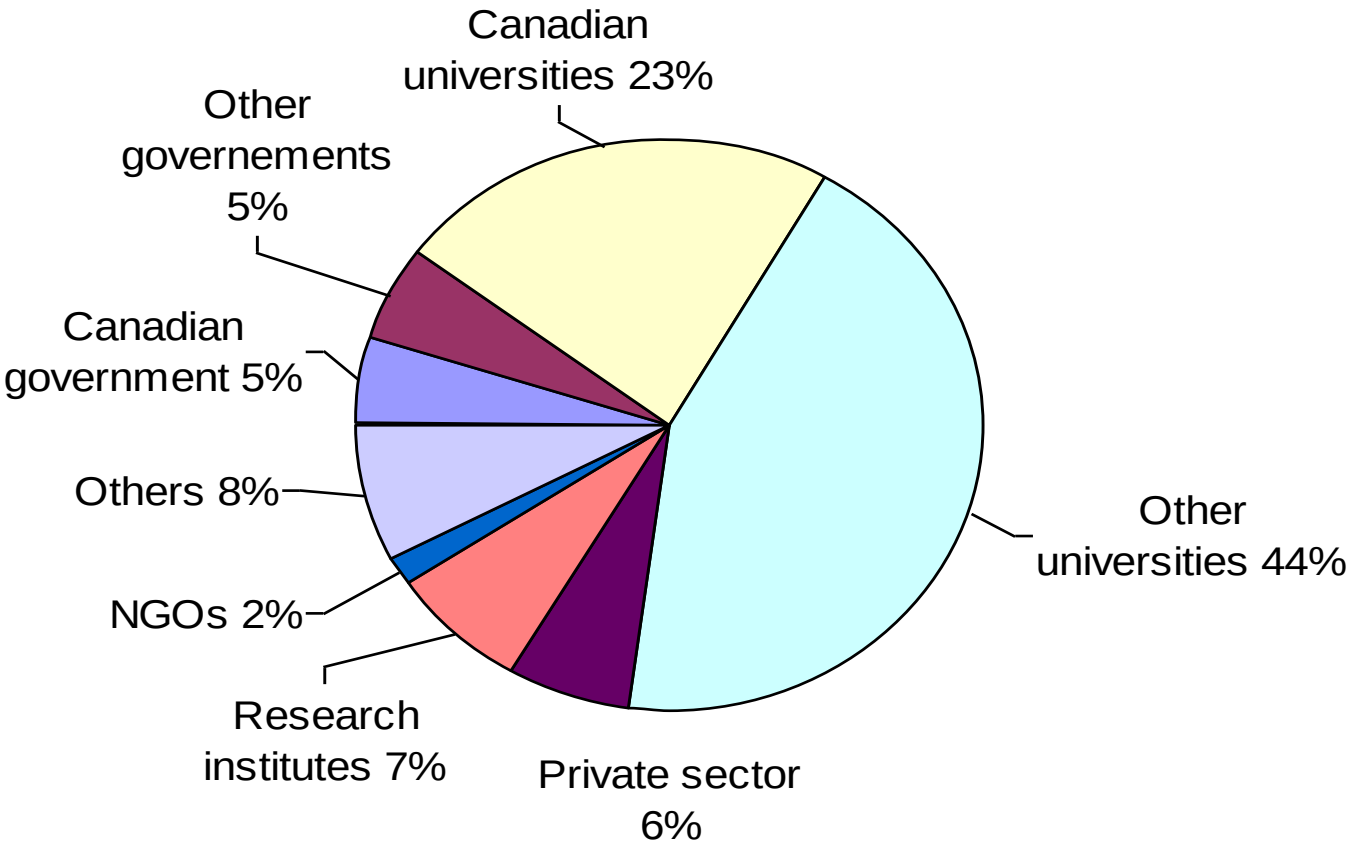
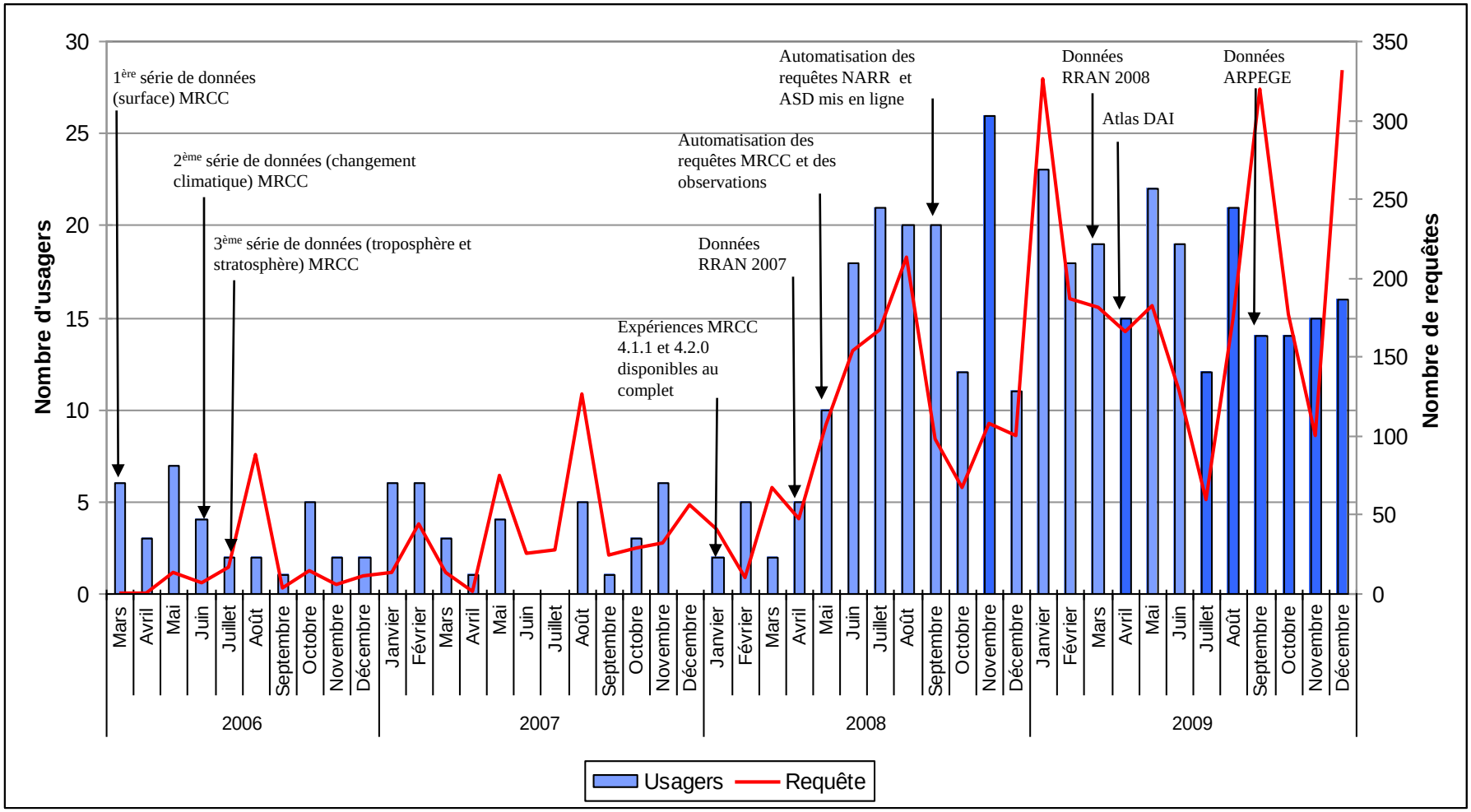


Figure 3. Origin and proportion of users pertaining to the N/A category in the DAI registration form.

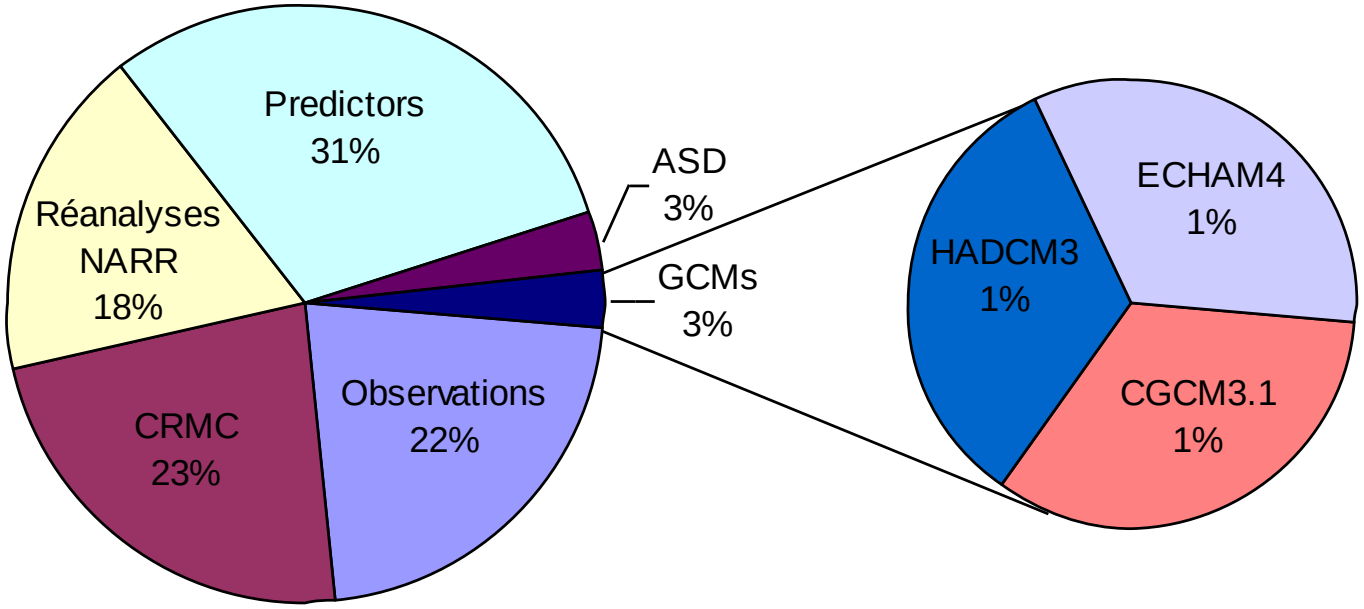
DAI evolution (requests and users) 2006-2009



Requests

A total of 5980 requests (model variables) + 2301 downloads of predictors + 101 downloads of ASD since 2006

Type of requests in 2009



Note: This includes data for both 2008 and 2009 for prédictors and ASD

WHY DAI?

http://loki.qc.ec.gc.ca/DAI/login-e.php

- To make the scientific work easier
- To centralise the information
- To avoid duplication of data
- To avoid duplication of work
- To give more time to the research

FUTURE OF DAI?

- Mapping tool

http://loki.ouranos.ca/DAI/narr_step1_WM-26aout-e.html

- Opendap & Google Earth

- Increase the number of models and datasets