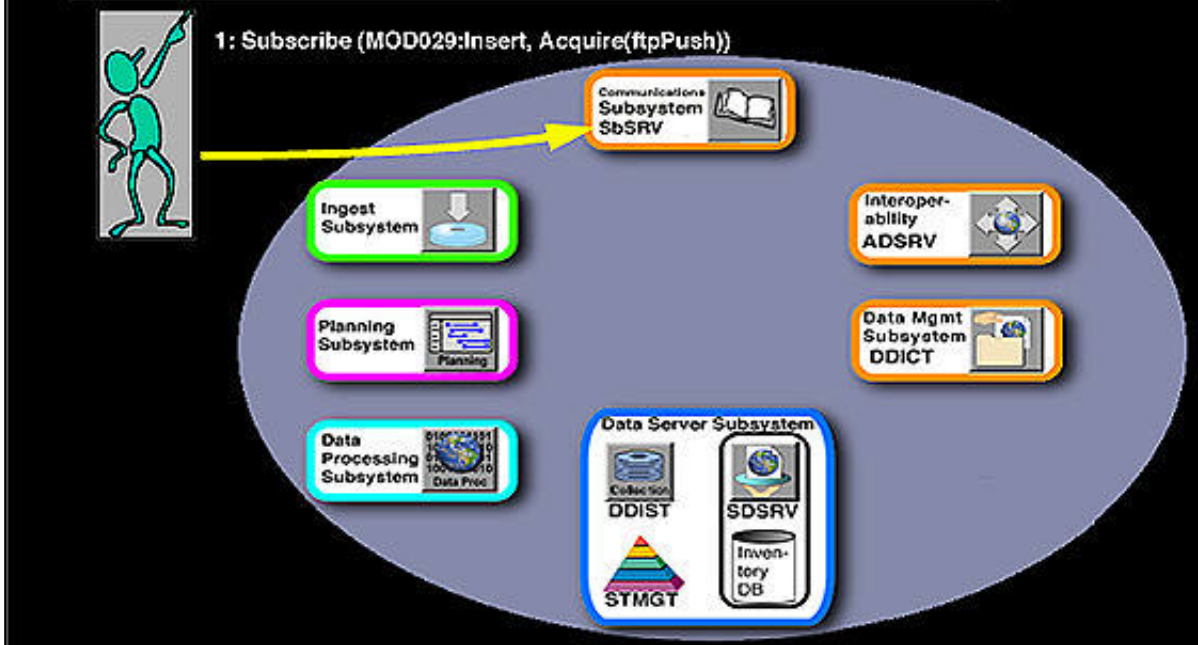
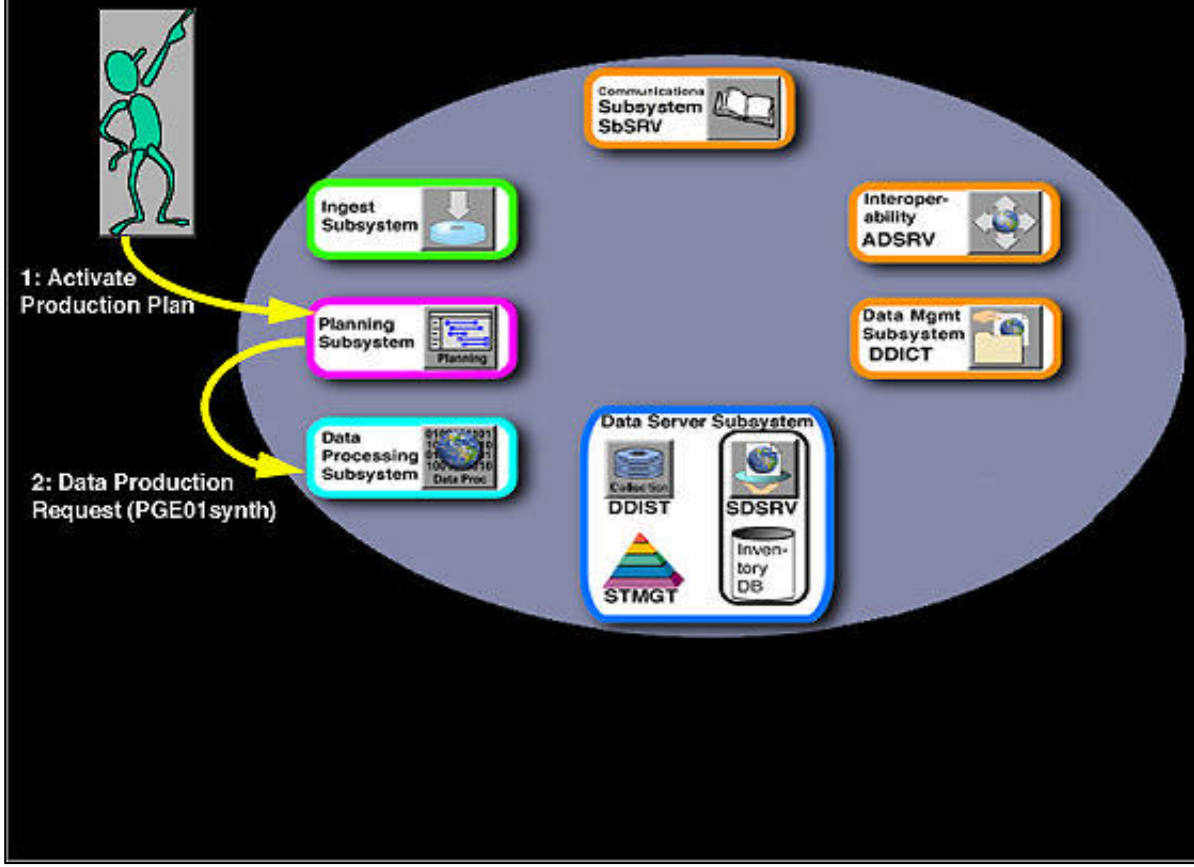
MODIS 2

DAAC Operator submits Standing Order subscription for MOD029:Insert event. Action is to send product, via ftp automated push to science user.



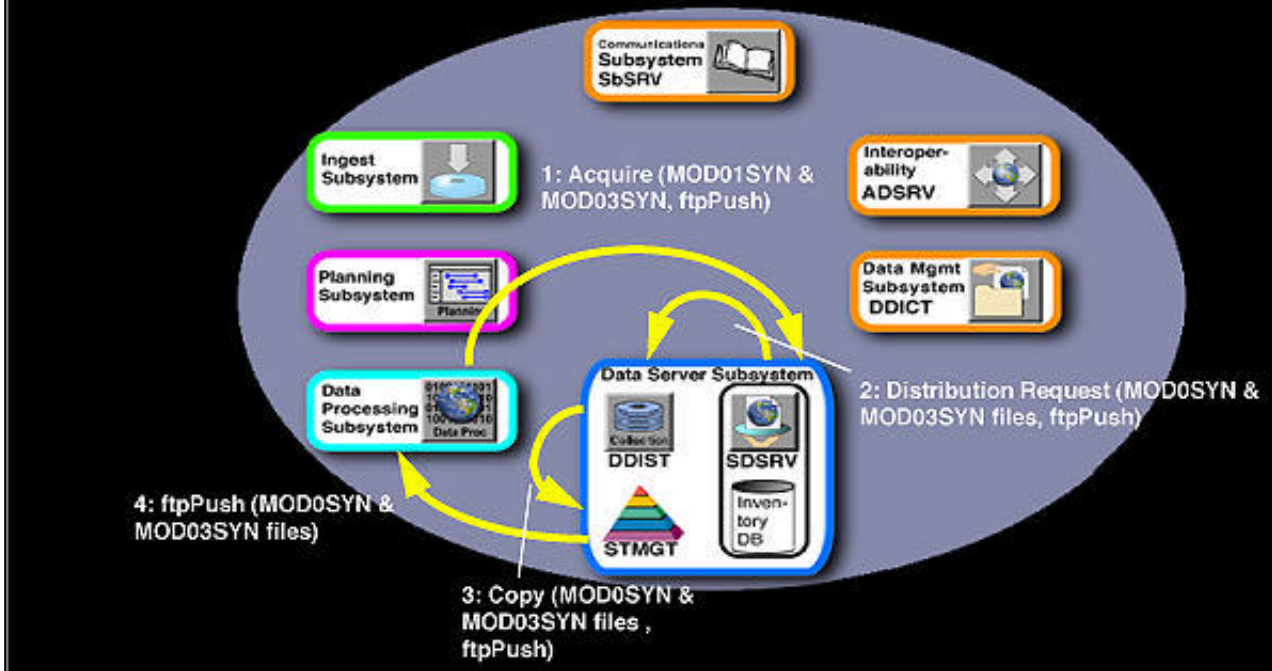
MODIS 3

Operator activates a plan, which includes a DPR for PGE01synth with previously inserted granules.



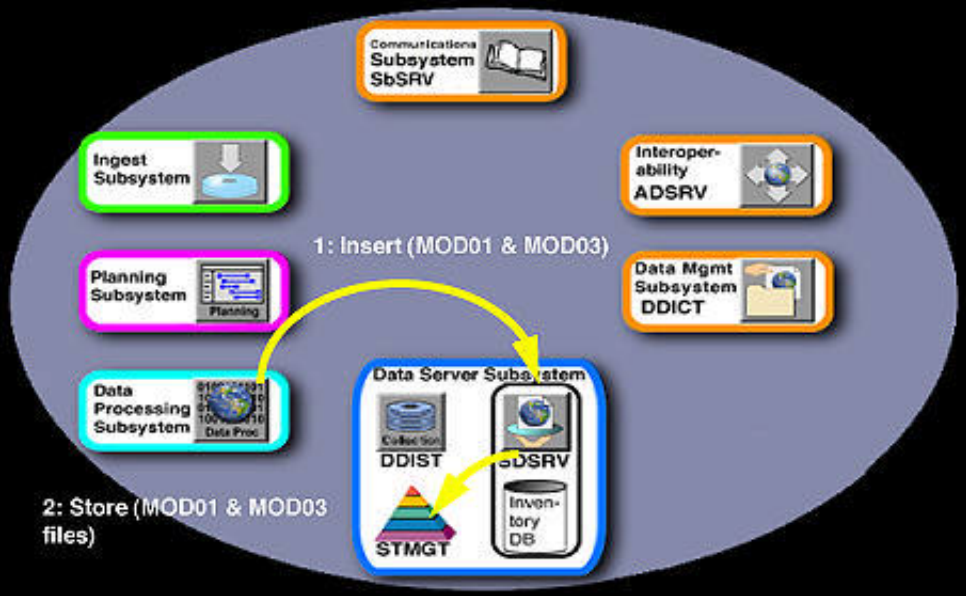
MODIS 4

Send the Input Data to the Product Generation Executive.



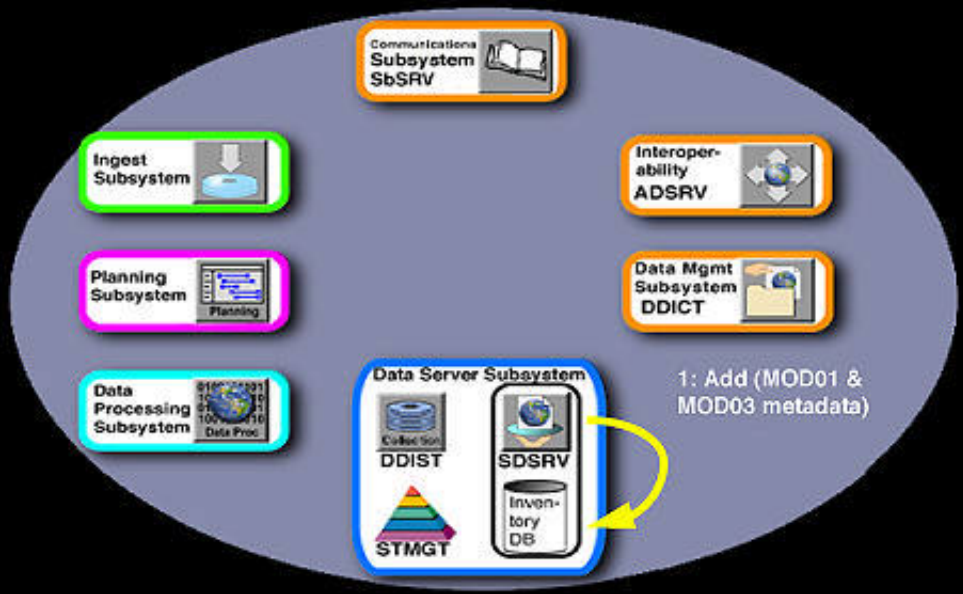
MODIS 5

Archive newly created MOD01 and MOD03 (Gelocation Data) granules.

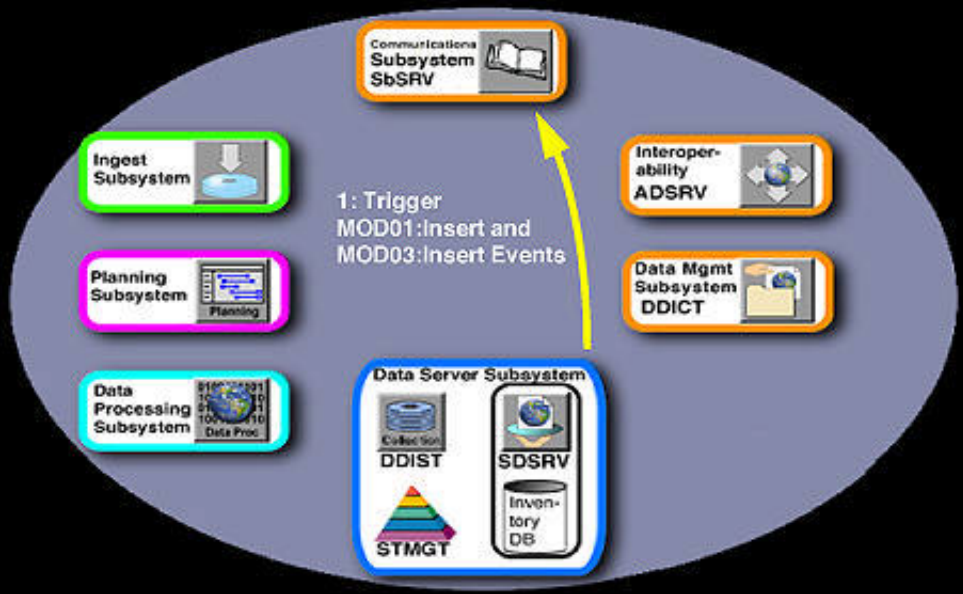


MODIS 6

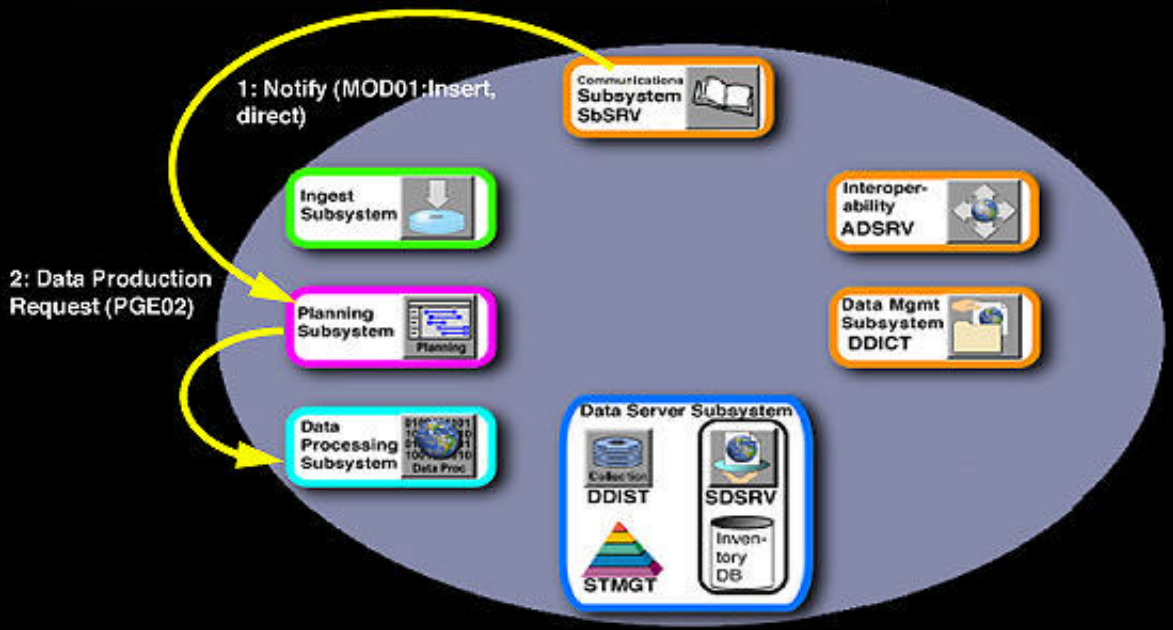
Add metadata for newly created MOD01 and MOD03 (Gelocation Data) granules to the Sybase/SQS database.



Notify all MOD01:Insert and MOD03:Insert event subscribers. This will include notification of the Planning subsystem, for chained processing.

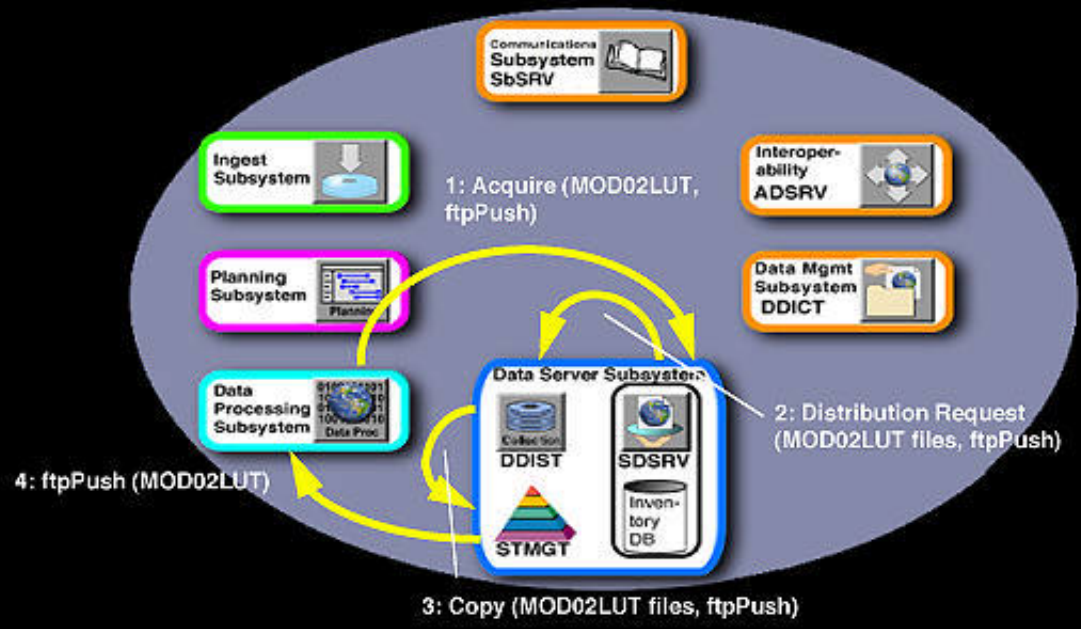


Upon receiving notification Planning releases the DPR for running MODIS PGE02. Allocate resources for active plans and begin concurrent execution of two PGE02's.

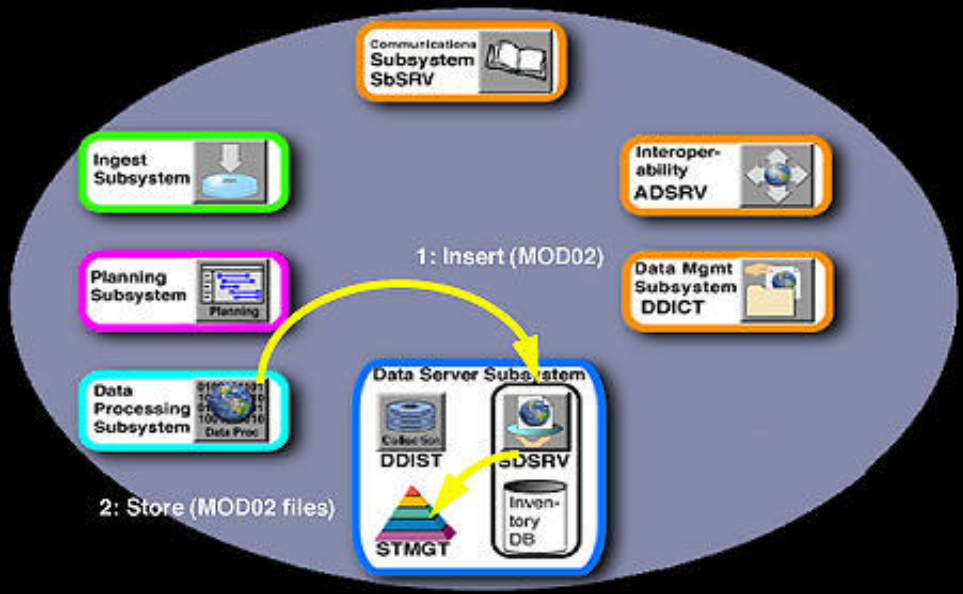


MODIS 9

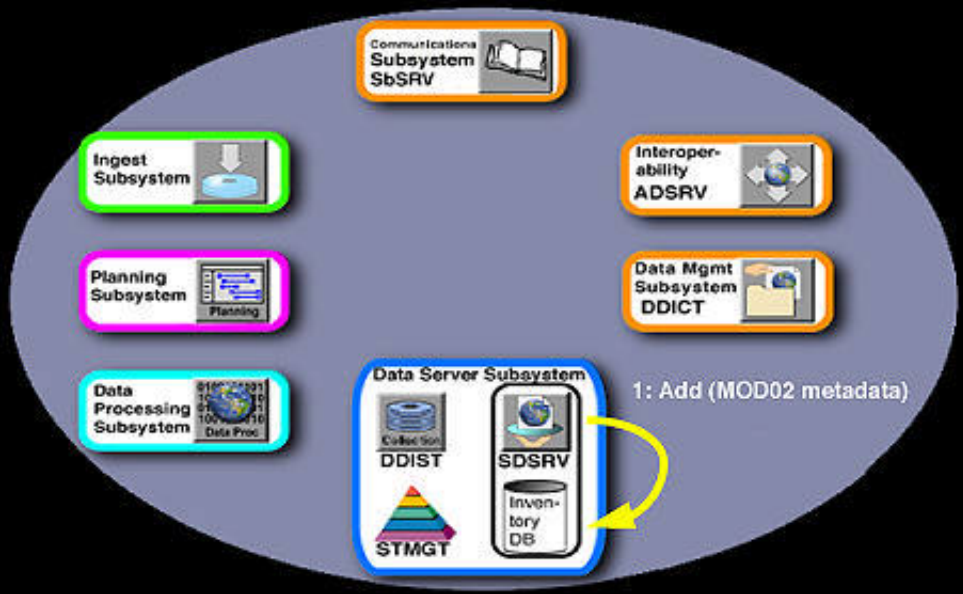
Send the MOD02LUT (Lookup Tables) to Processing subsystem for the PGE02. Other required inputs to PGE02 are still on processing disks for optimum resource utilization.



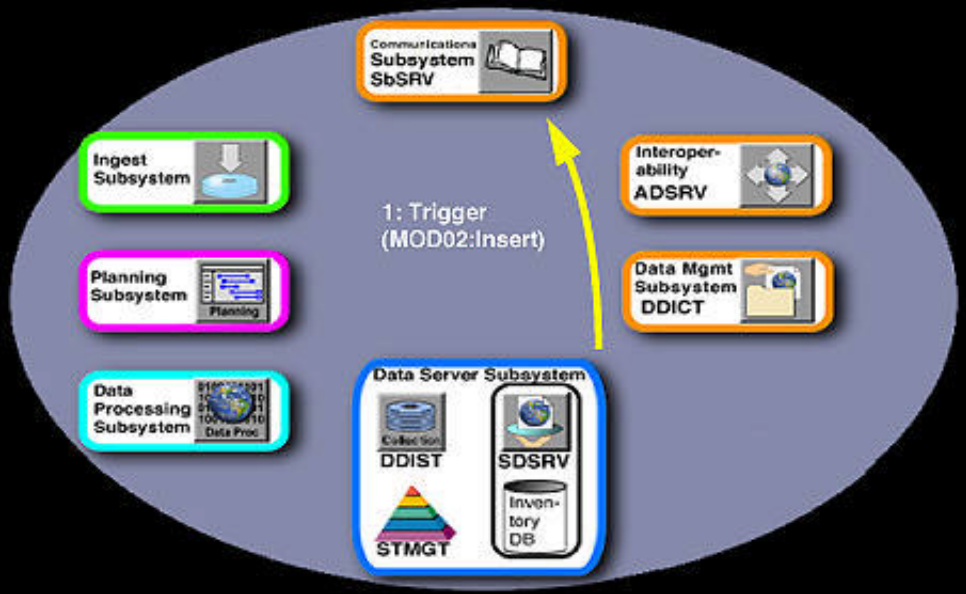
After PGE completes, archive newly created MOD02 (L1B Radiances) granules.



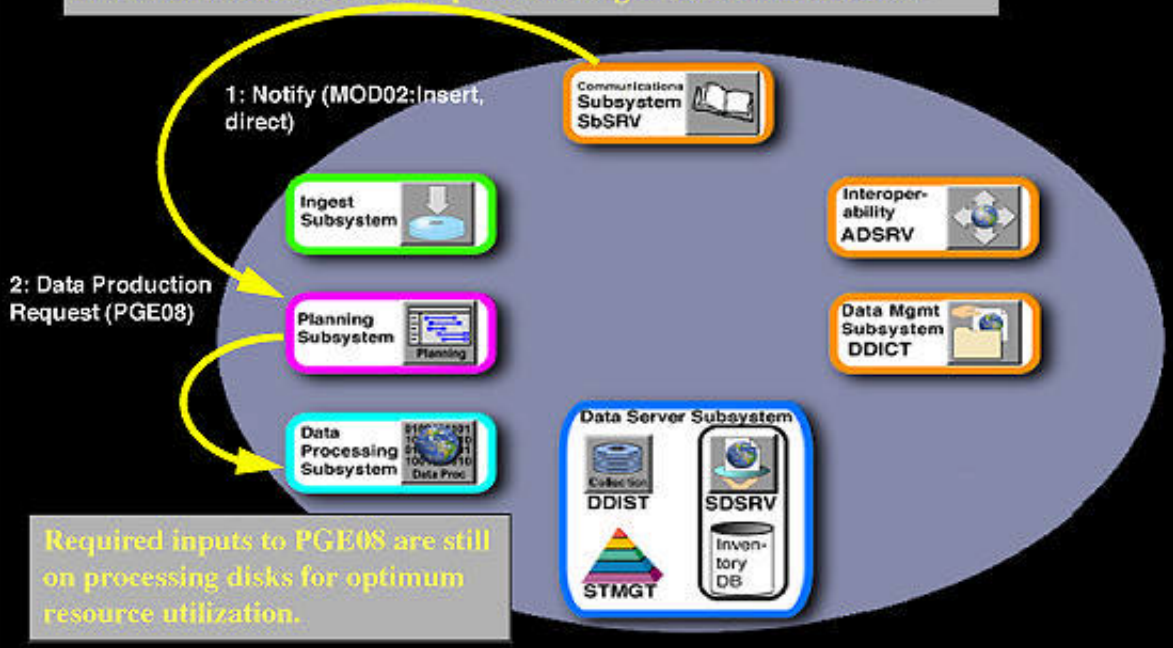
Add metadata for newly created MOD02 (L1B Radiances) granules to the Sybase/SQS database.



Notify all MOD02:Insert event subscribers. This will include notification of the Planning subsystem, for chained processing.

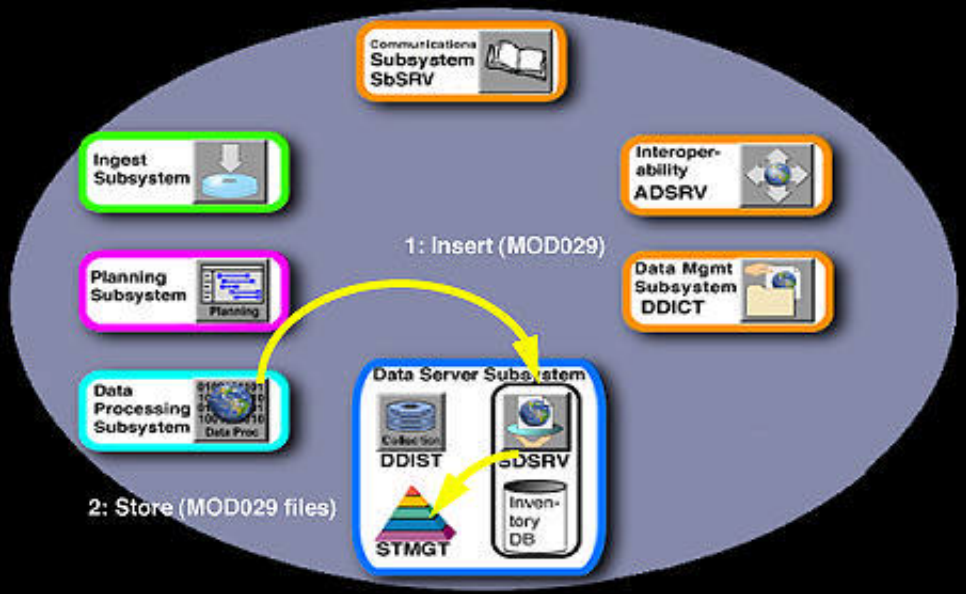


Upon receiving notification, Planning releases DPR for running MODIS PGE08, for generation of MOD029 (L2 Sea Ice Cover) data. Allocate resources for active plans and begin execution of PGE08.

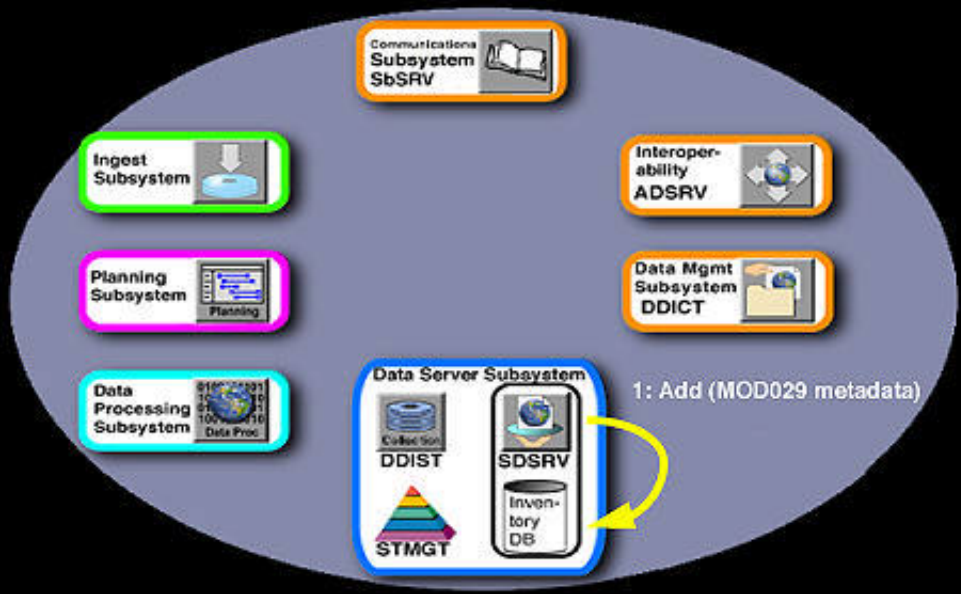


Required inputs to PGE08 are still on processing disks for optimum resource utilization.

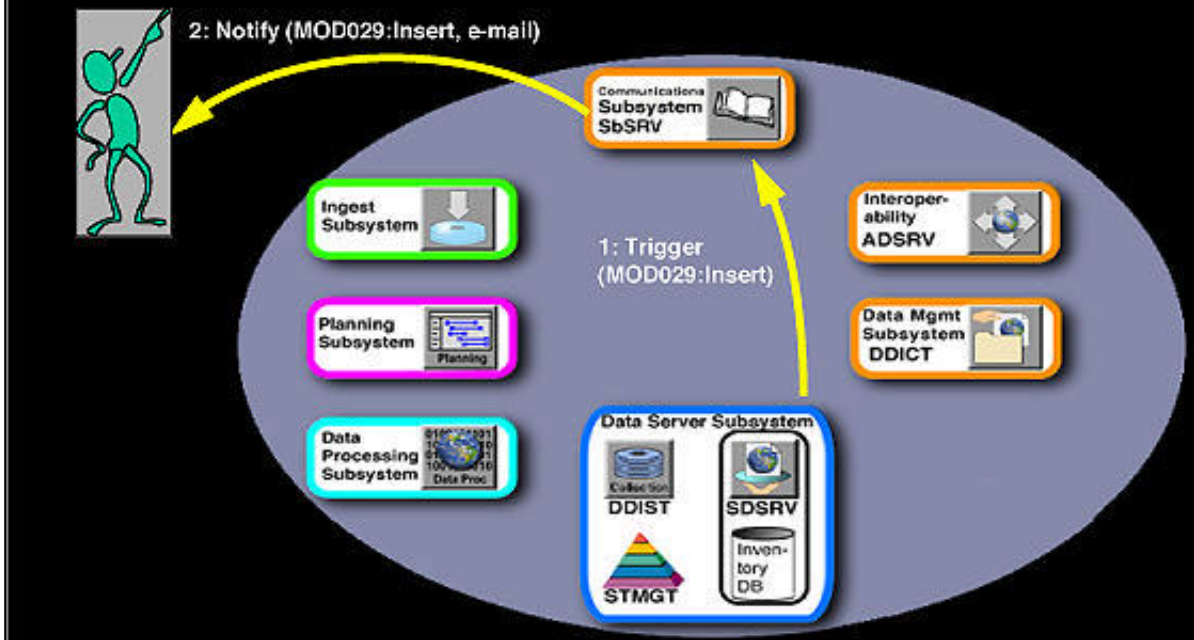
After PGE08 completes, archive newly created MOD029 (L2 Sea Ice Cover) granules.



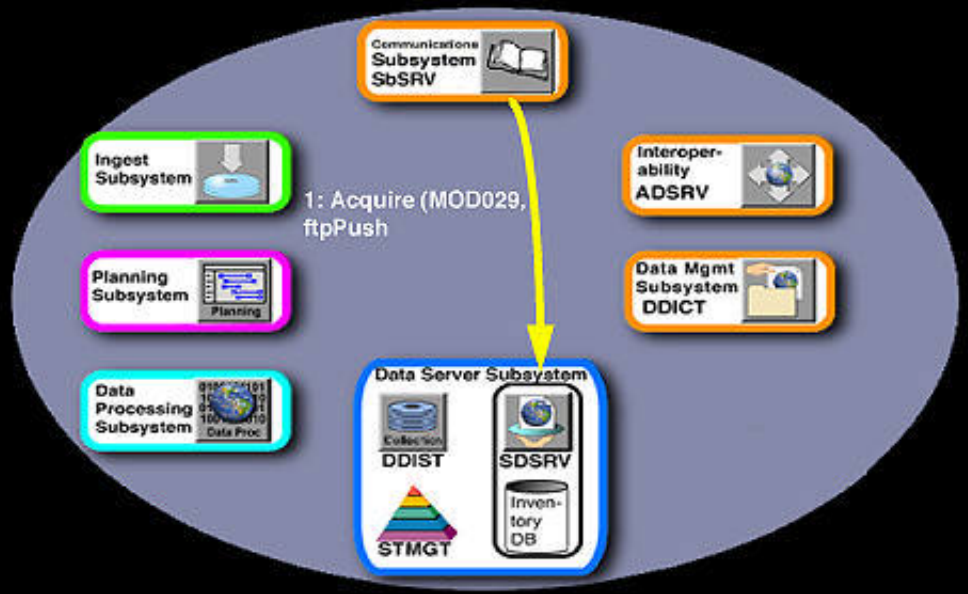
Add metadata for newly created MOD029 (L2 Sea Ice Cover) granules to the Sybase/SQS database.



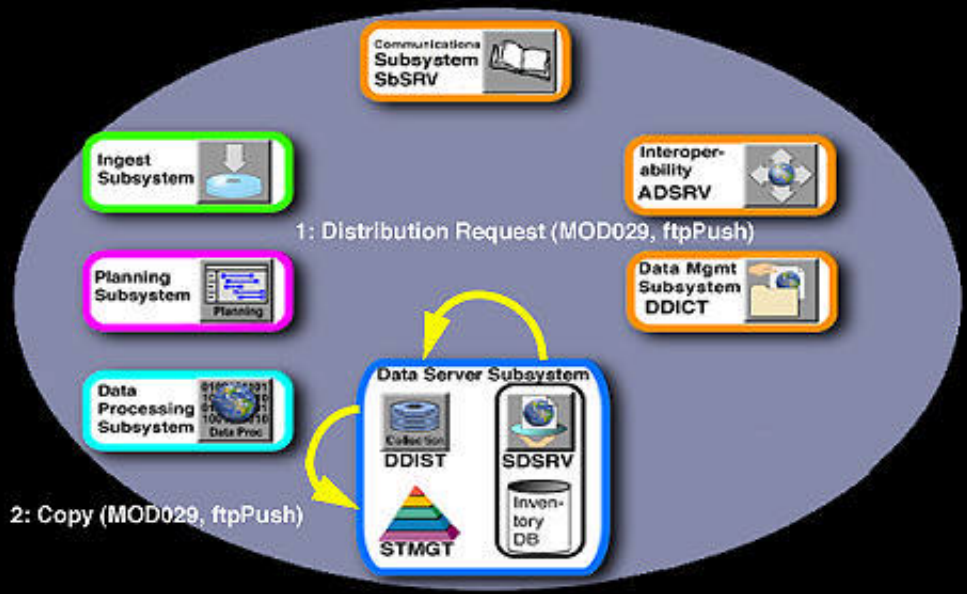
Notify all MOD029:Insert event subscribers. Also, the Science User's Standing Order Processing will begin.



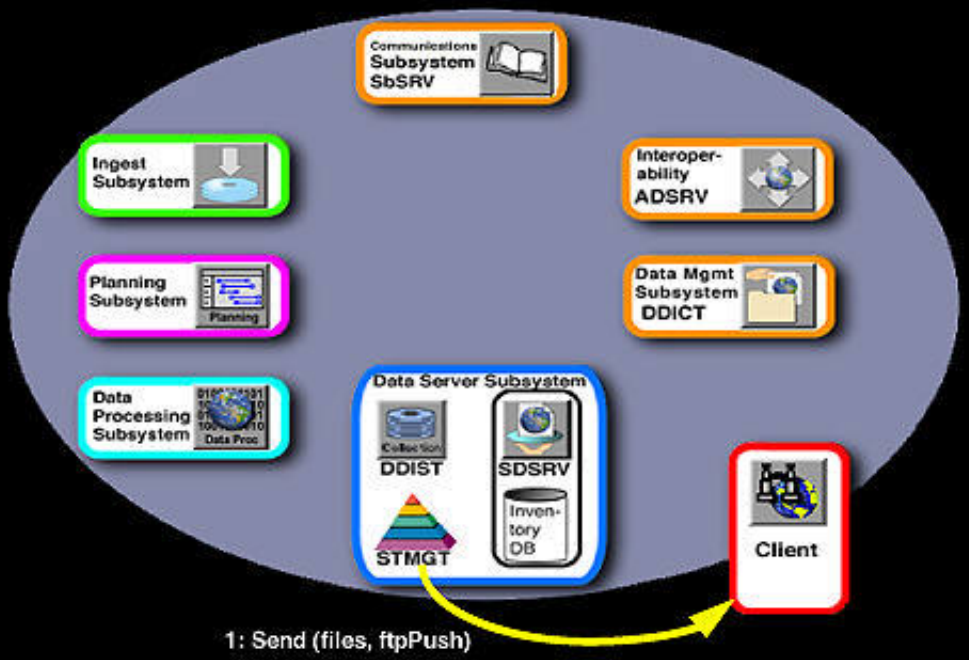
Subscription Server submits order for MOD029 (L2 Sea Ice Cover) data, via ftpPush, on behalf of Science User.



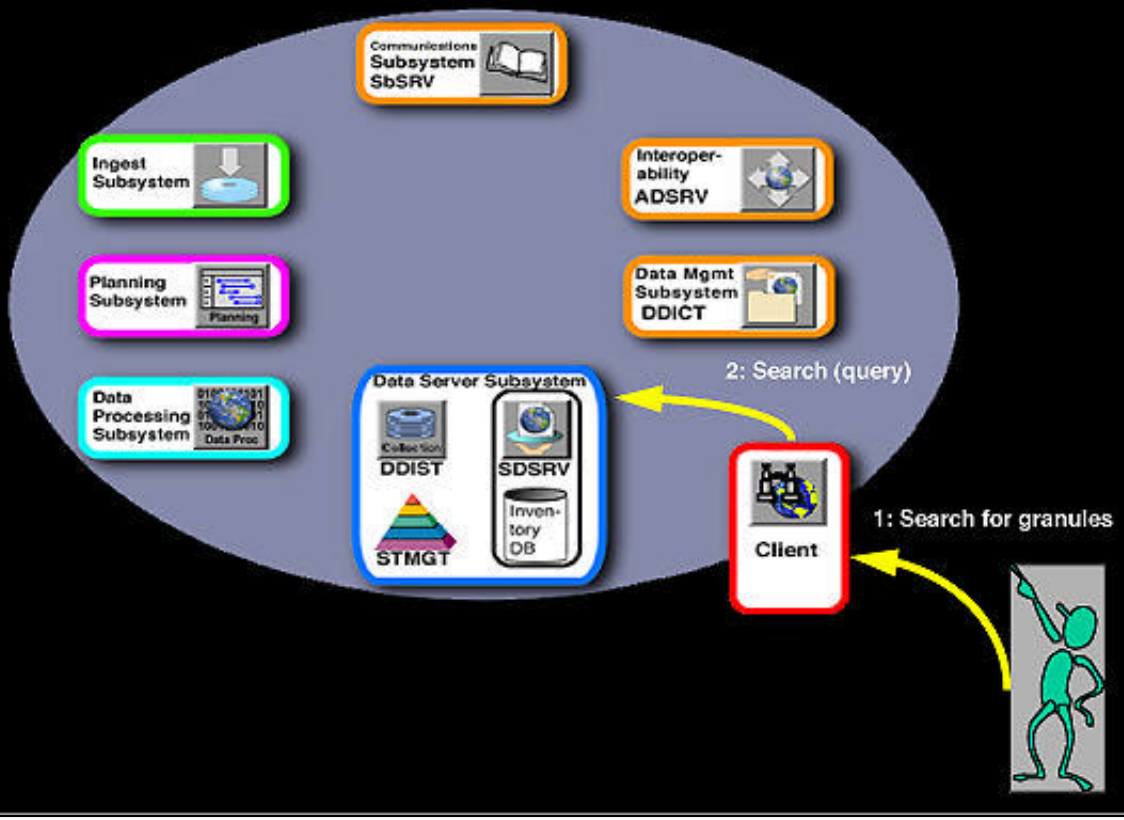
Retrieve newly created MOD029 (L2 Sea Ice Cover) granule from Archive.



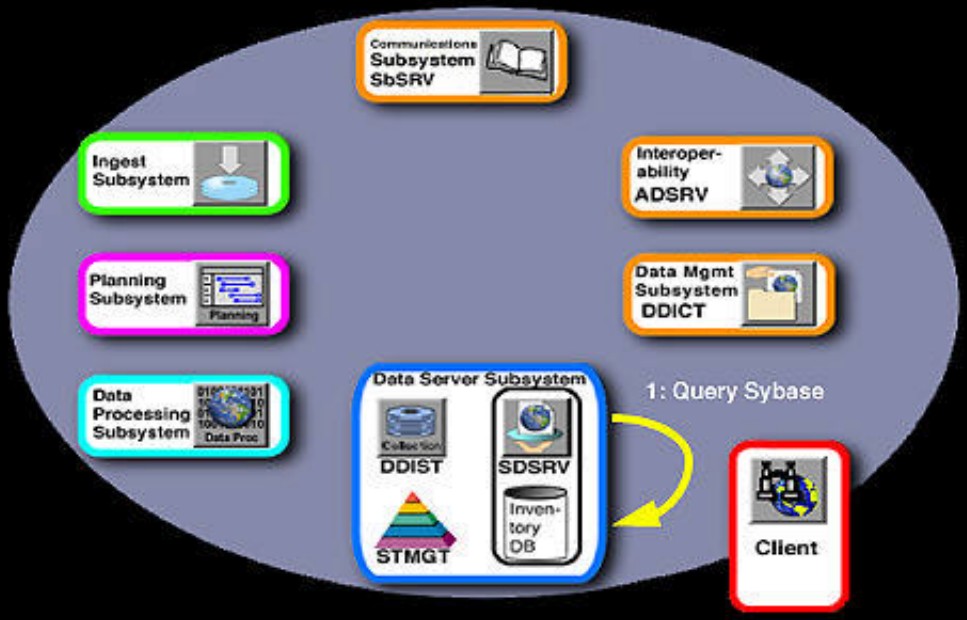
Copy MOD029 (L2 Sea Ice Cover) granule to Science User ftp site.



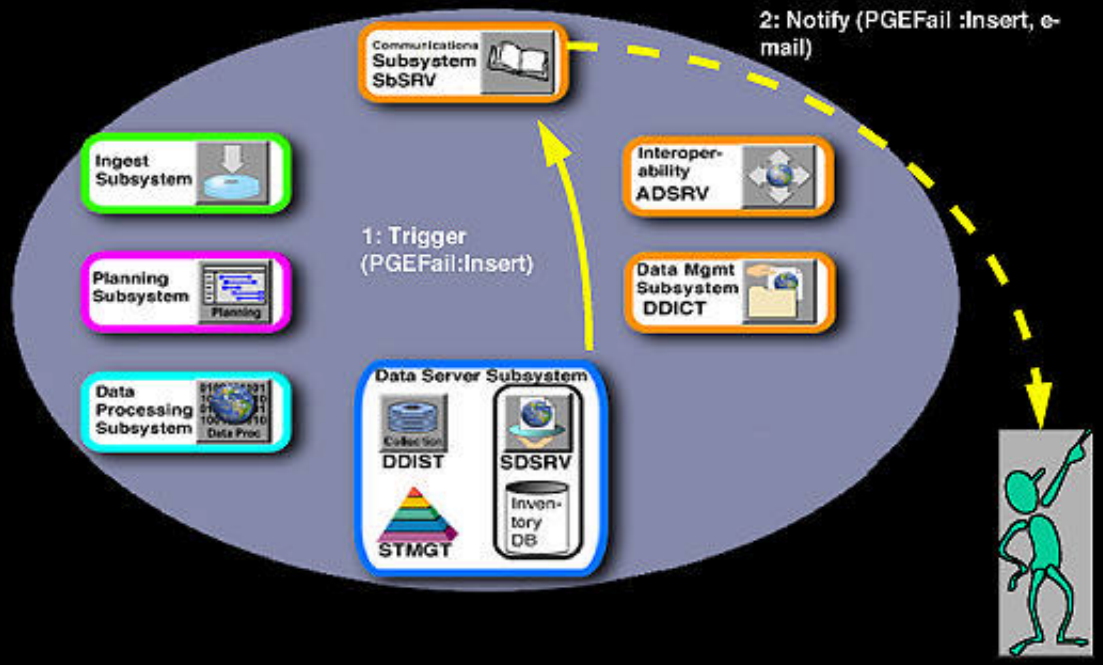
DAAC Operator verifies all newly produced MODIS granules are available. Operator uses B0SOT to perform an Inventory Search for each product's Data Type.



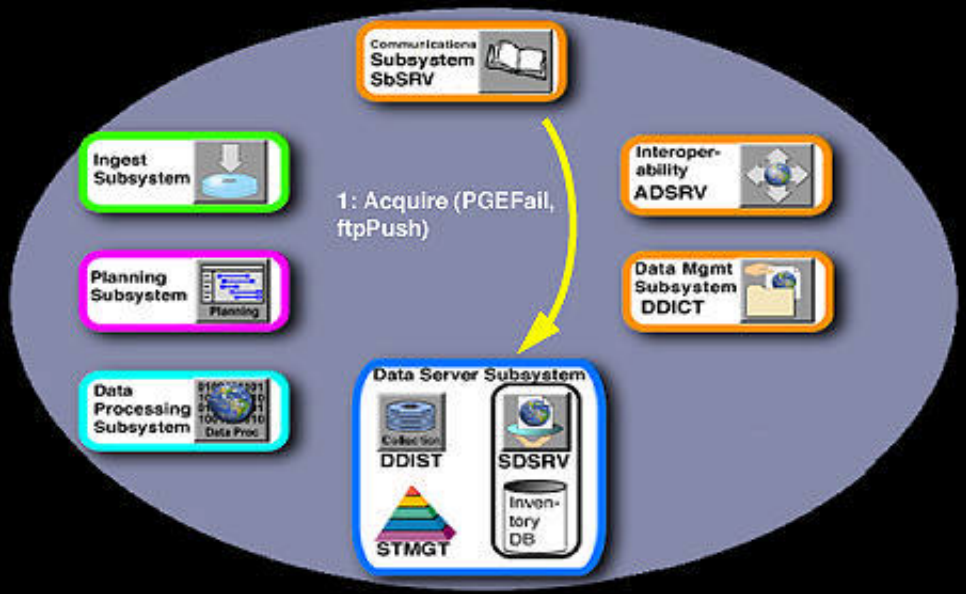
SDSRV queries Sybase/SQS database for granules meeting search criteria



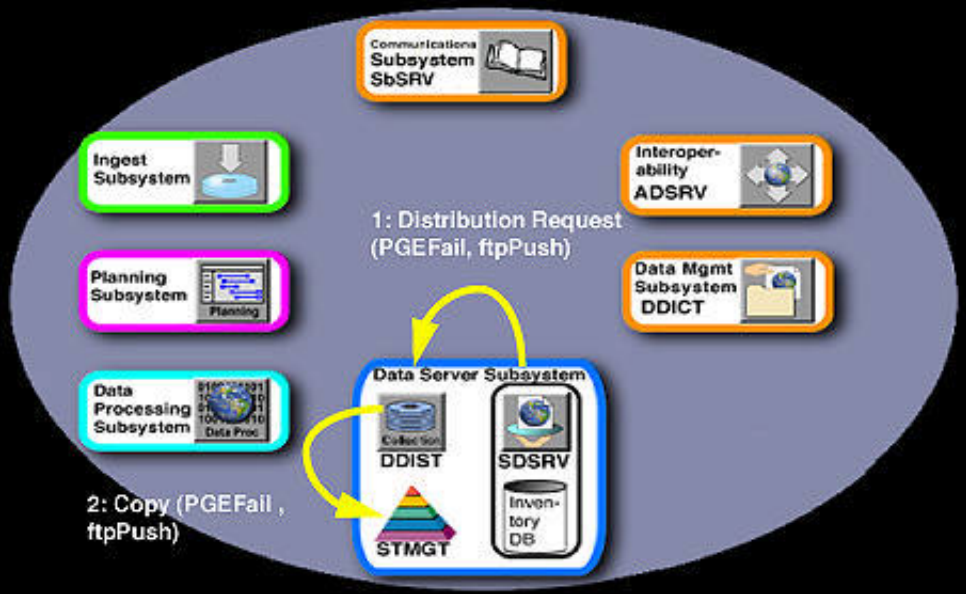
With insertion of the PGEFail granule, processing of a MODIS Scientist Standing Order for failed PGEs will begin.



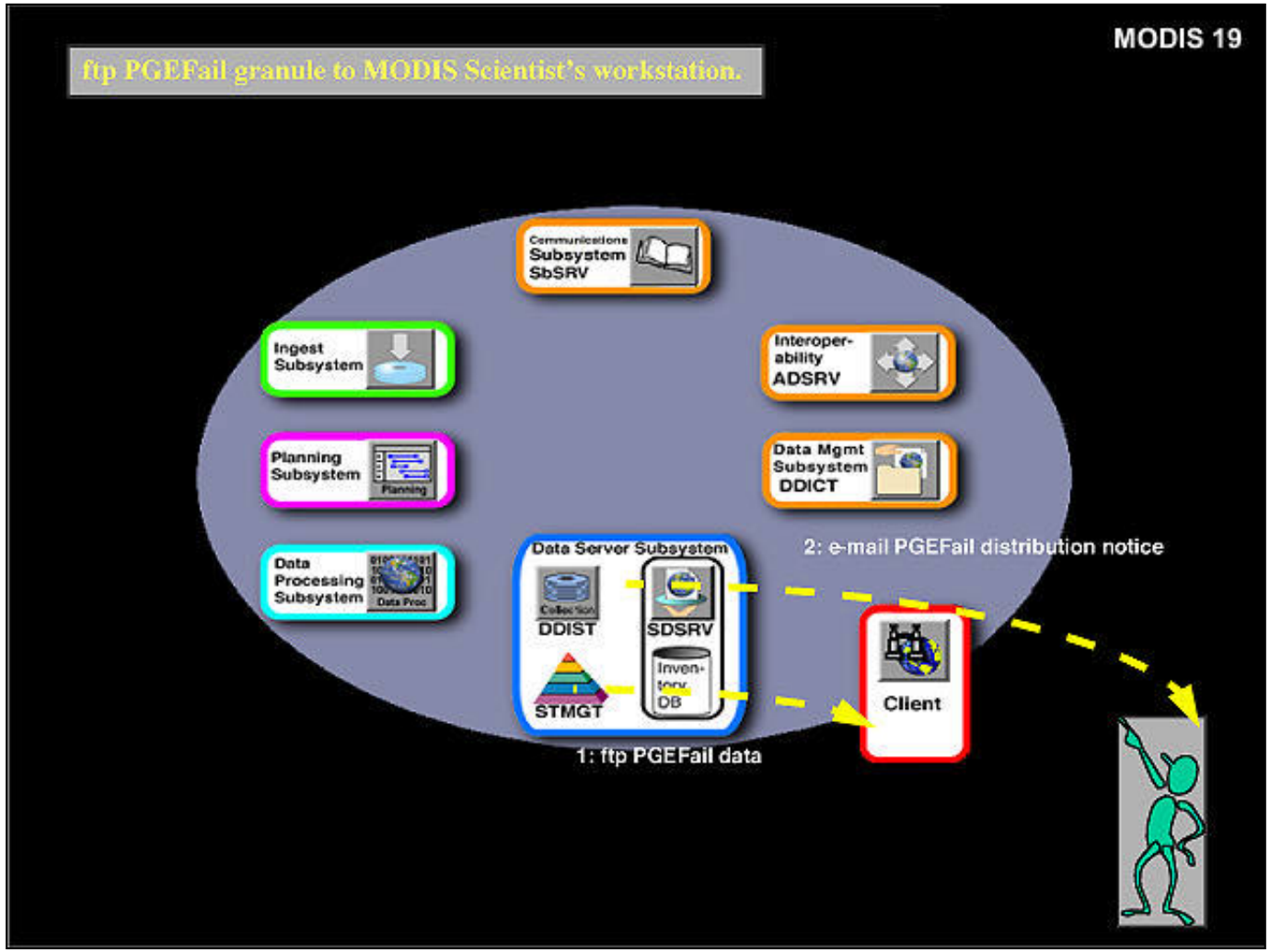
Subscription Server submits order for PGEFail data, via ftpPush, to the MODIS Scientist.



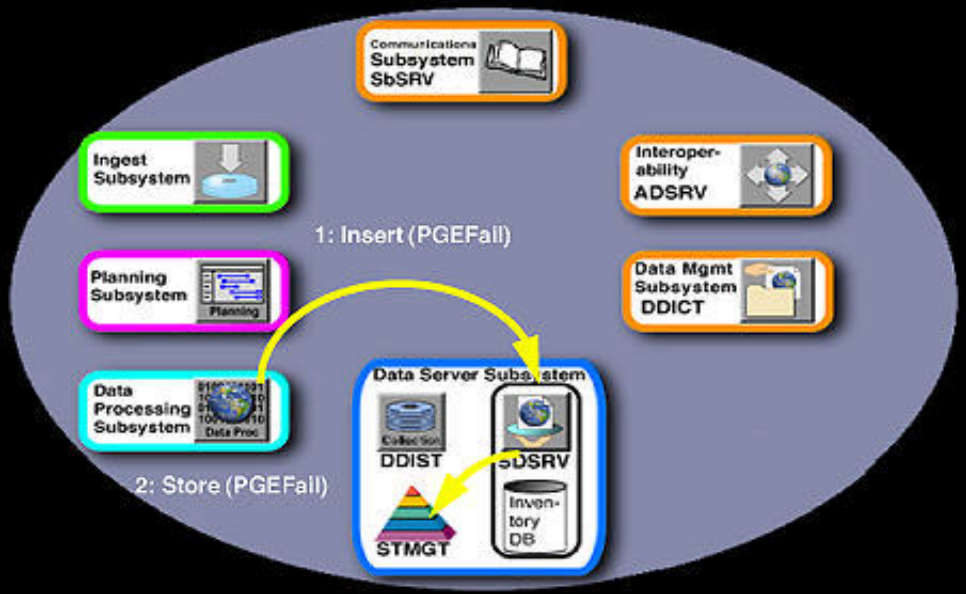
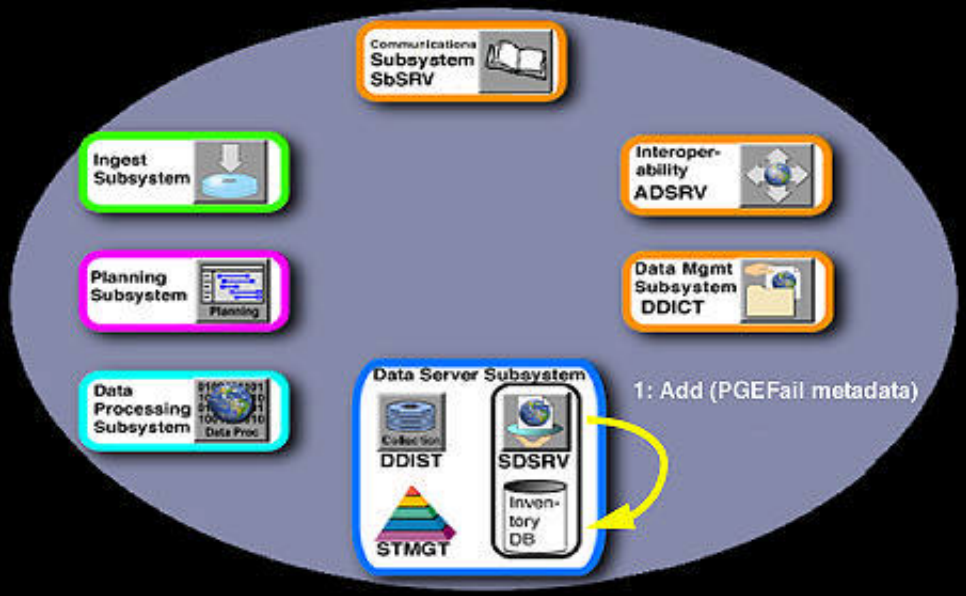
Retrieve newly inserted PGEFail granule from Archive.



ftp PGEFail granule to MODIS Scientist's workstation.



Upon detecting a FGE Failure, Processing subsystem creates a PGEfail granule, and inserts it into the Data Server.



Add metadata for PGEFail granule to the Sybase/SQS database.