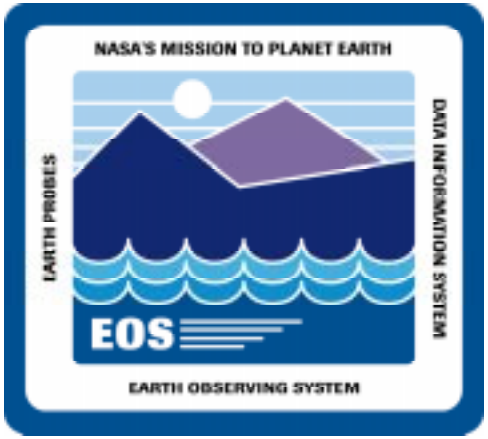
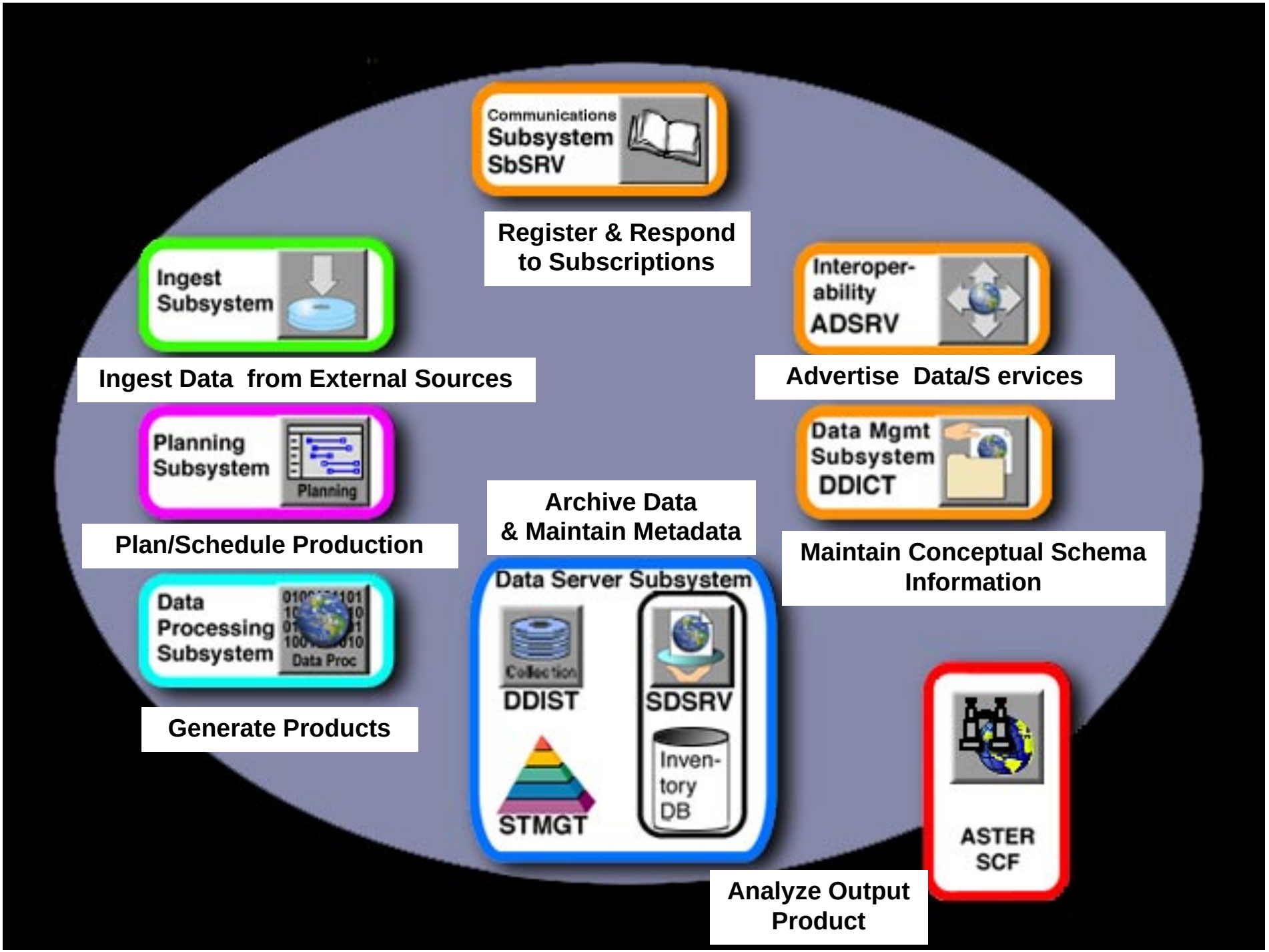


ECS Initialization & Production Scenarios

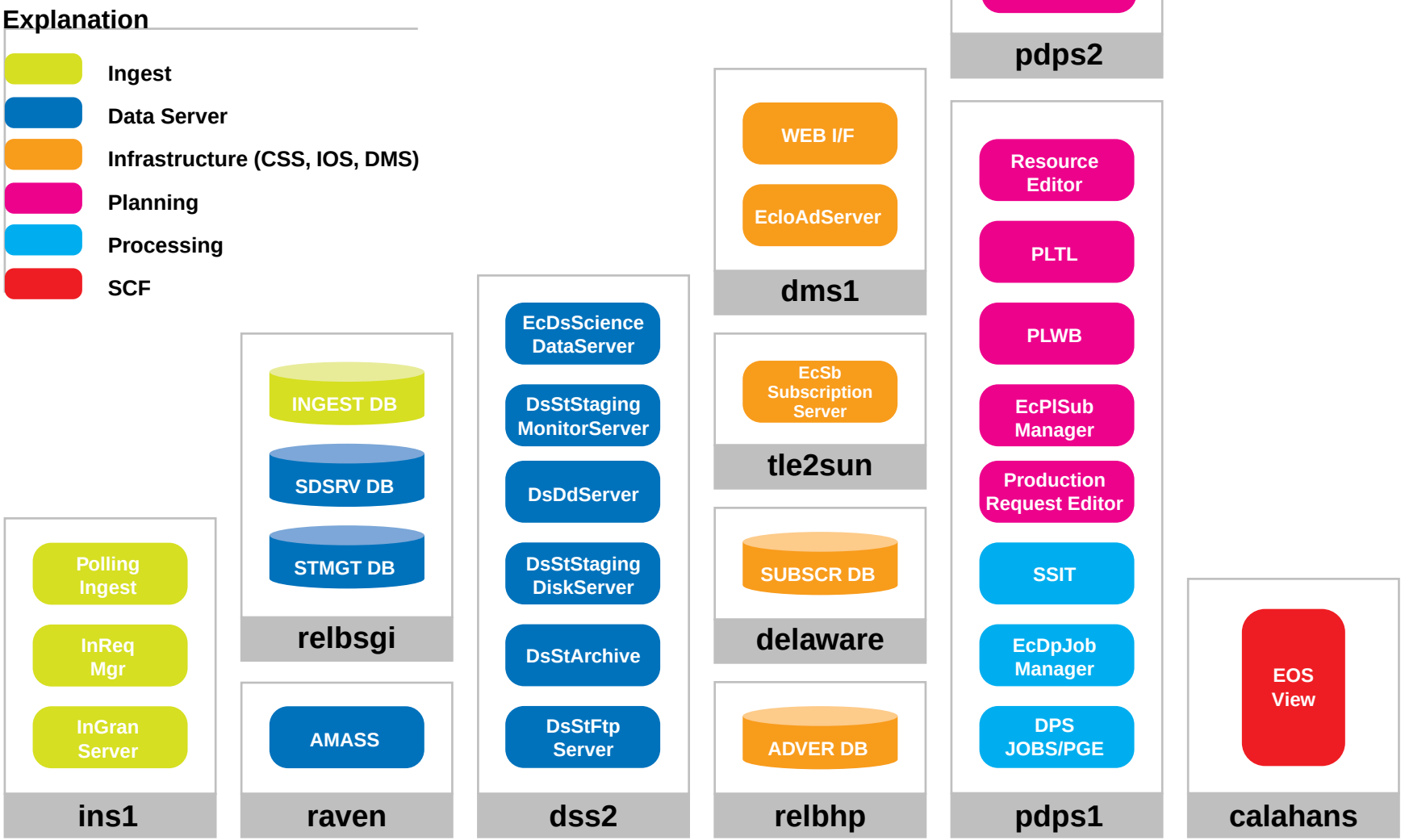
Mike Burnett

mburnett@eos.hitc.com

22 May 1997


Communications Subsystem SbSRV
Register & Respond to Subscriptions
Ingest Subsystem
Ingest Data from External Sources
Interoper-ability ADSRV
Advertise Data/S ervices
Planning Subsystem
Planning
Plan/Schedule Production
Data Mgmt Subsystem DDICT
Archive Data & Maintain Metadata
Maintain Conceptual Schema Information
Data Processing Subsystem
Data Proc
Generate Products
Data Server Subsystem
DDIST
SDSRV
STMGT
Inven-tory DB
ASTER SCF
Analyze Output Product

Processes Mapped to Hardware



ASTER INITIALIZATION

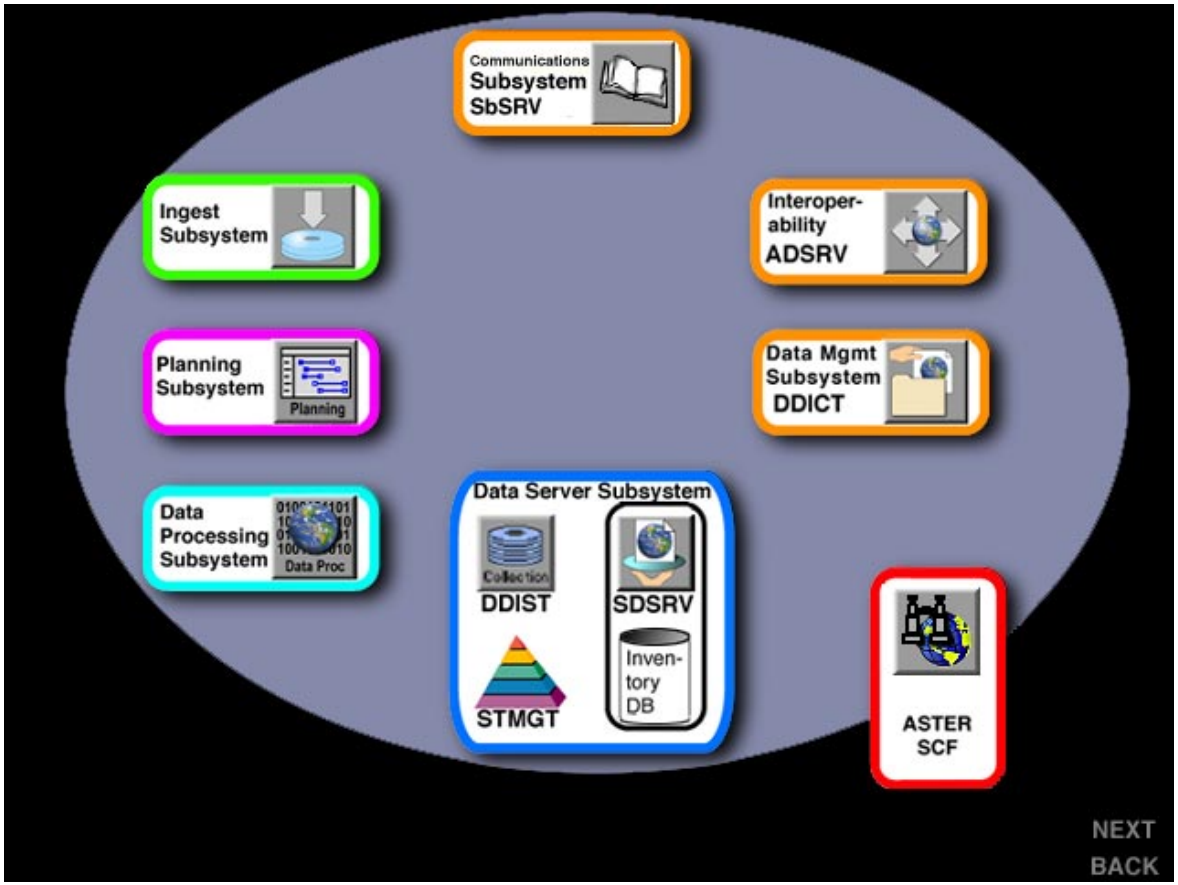
Initialization Steps

Add New Data Types

Add Science Software Ancillary Data

Register Science Software & Production Information

Register Subscription for Generated Product


Communications
Subsystem
SbSRV
Ingest
Subsystem
Interoper-
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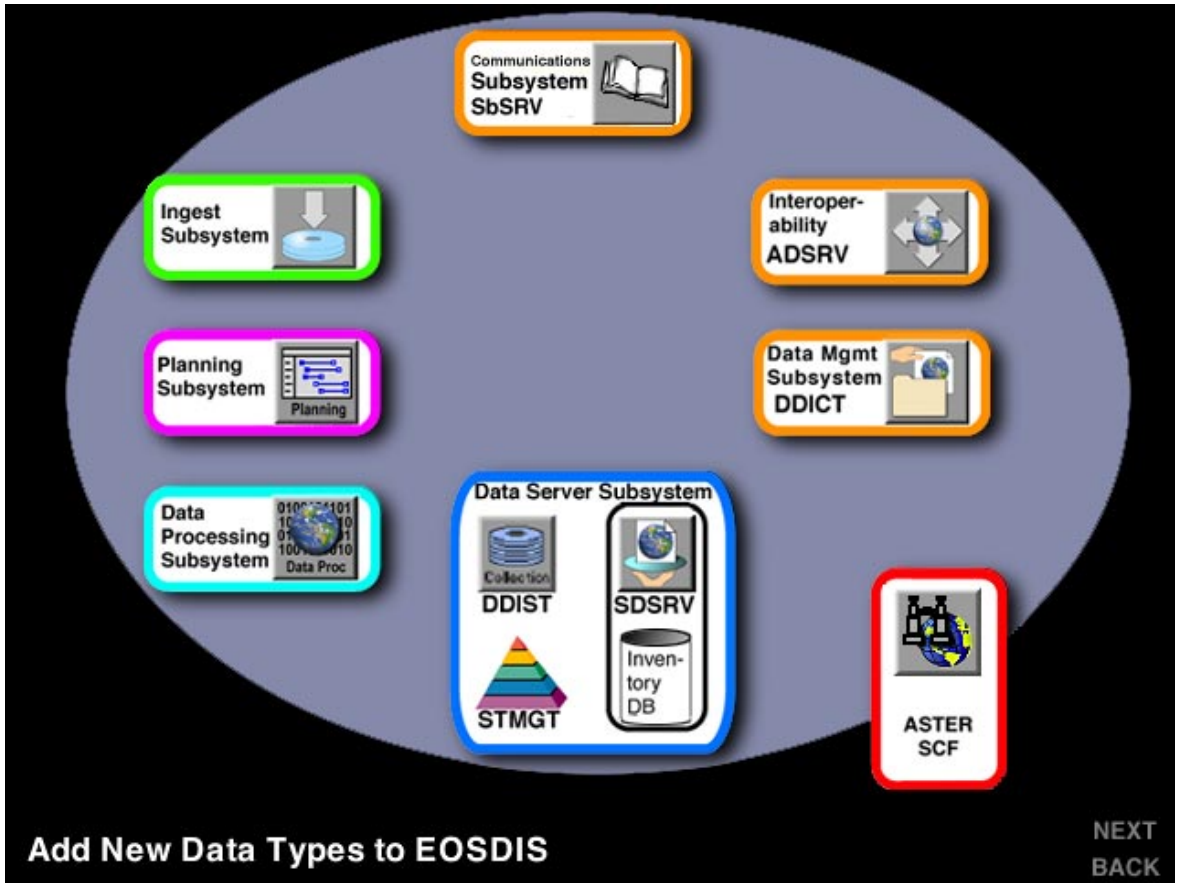
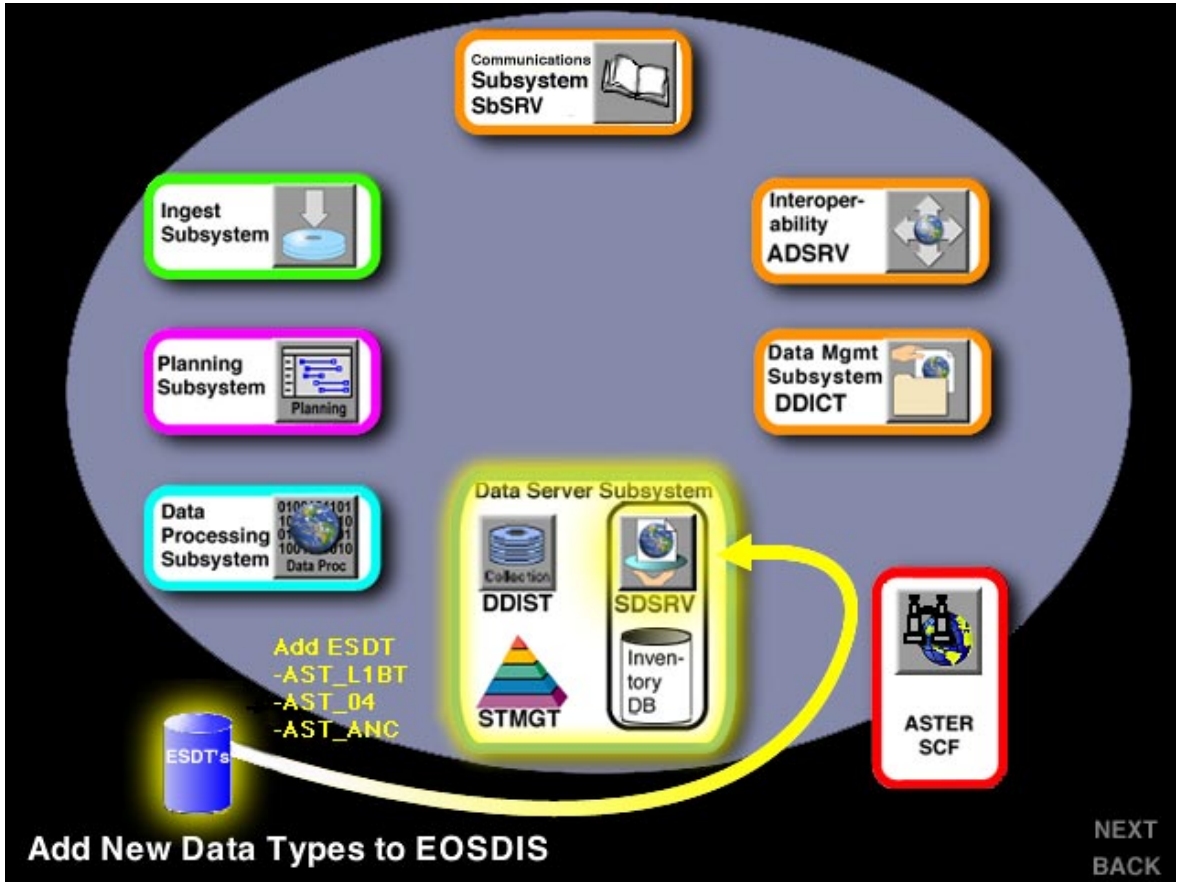
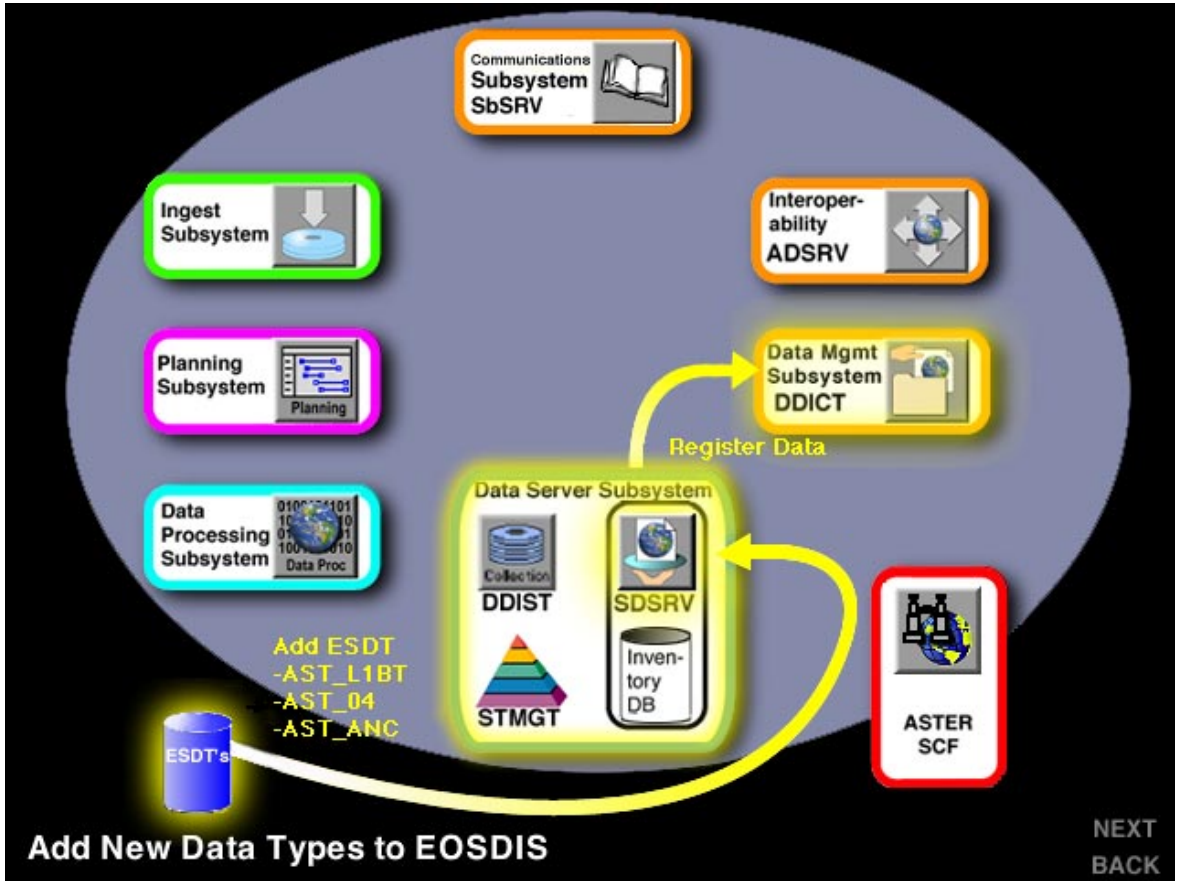
ADSRV
Planning
Subsystem
Planning
Data Mgmt
Subsystem
DDICT
Data
Processing
Subsystem
Data Proc
Data Server Subsystem
Collection
DDIST
SDSRV
Inven-
tory
DB
STMGT
ASTER
SCF
NEXT
BACK


Communications Subsystem SbSRV
Ingest Subsystem
Interoper-ability ADSRV
Planning Subsystem
Planning
Data Mgmt Subsystem DDICT
Data Processing Subsystem
Data Proc
Data Server Subsystem
Collection
DDIST
SDSRV
Inven-tory DB
STMGT
ASTER SCF
Add New Data Types to EOSDIS
NEXT
BACK


Communications Subsystem SbSRV
Ingest Subsystem
Interoper-ability ADSRV
Planning Subsystem
Planning
Data Mgmt Subsystem DDICT
Data Processing Subsystem
Data Proc
Data Server Subsystem
Collection
DDIST
SDSRV
STMGT
Inven-tory DB
ASTER SCF
Add ESDT
-AST_L1BT
-AST_04
-AST_ANC
ESDT's
Add New Data Types to EOSDIS
NEXT
BACK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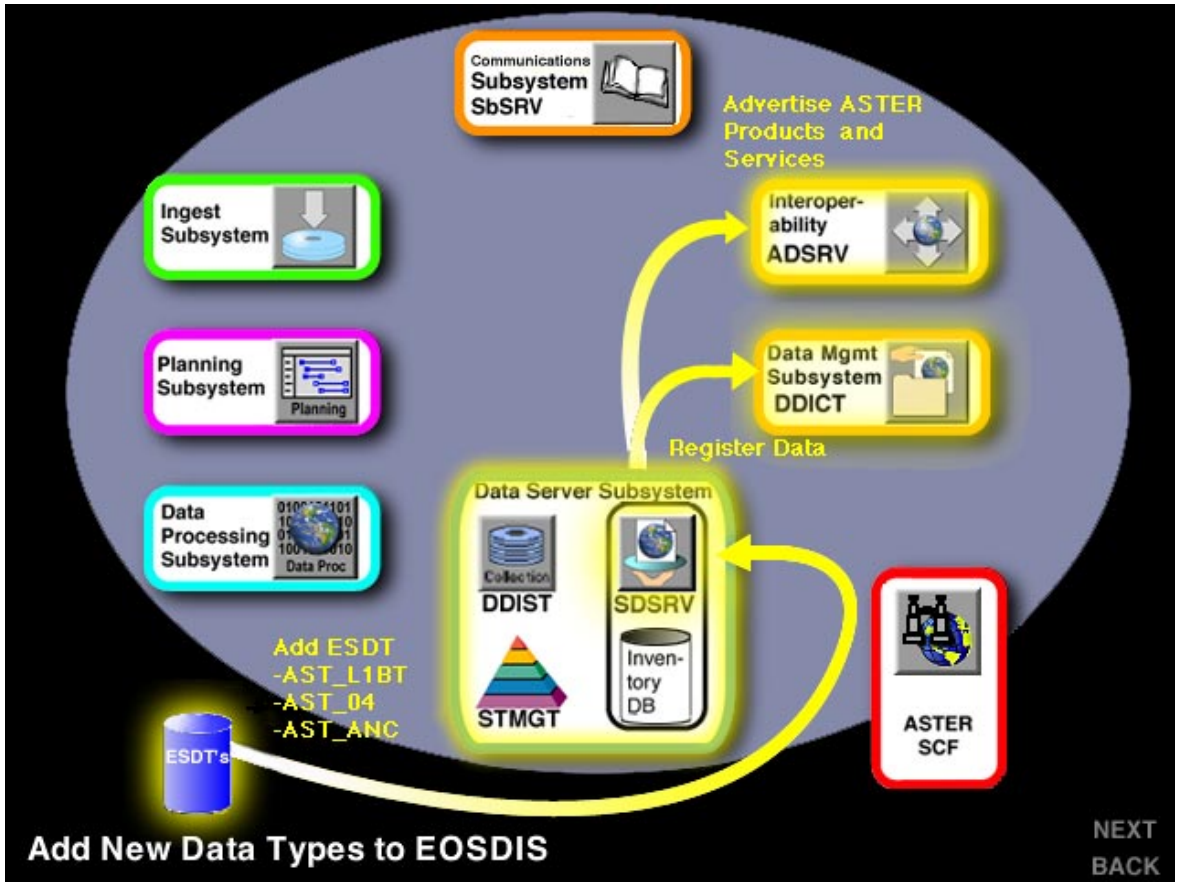
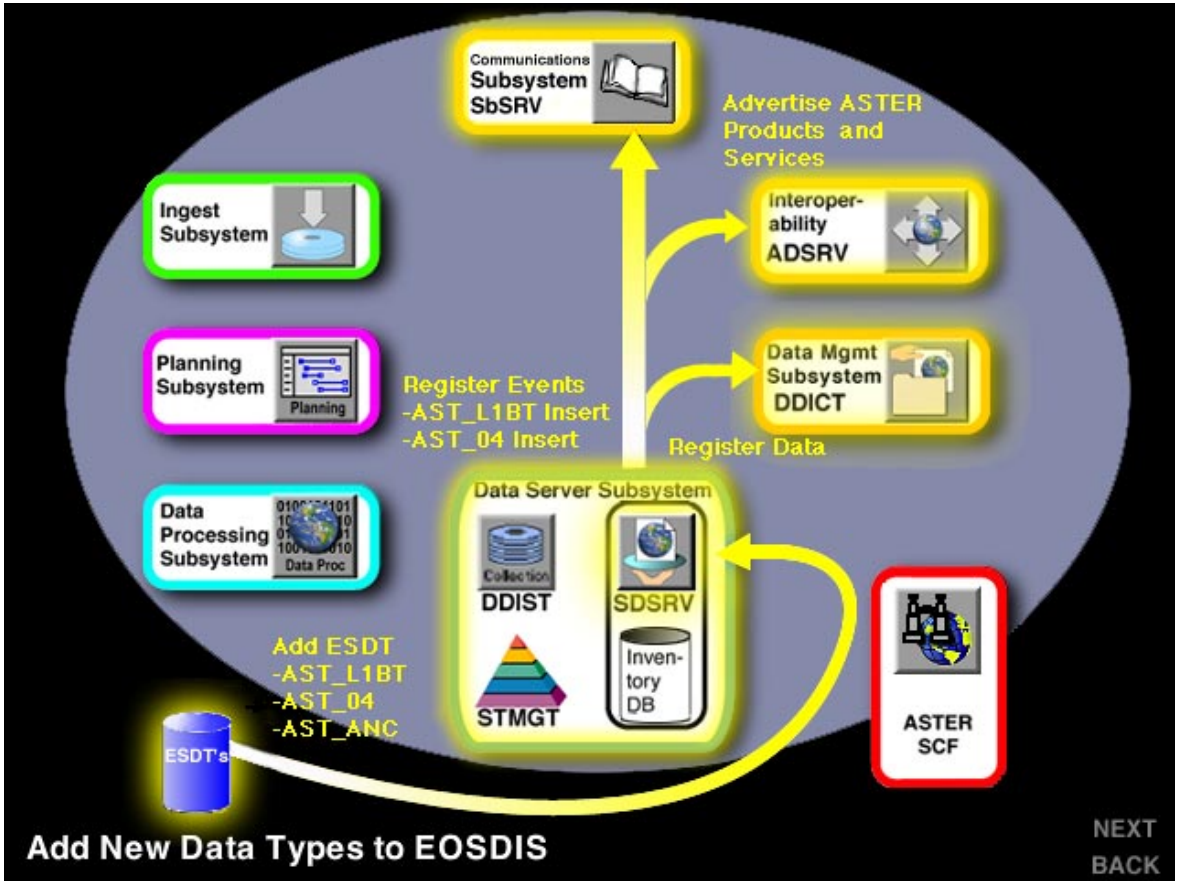
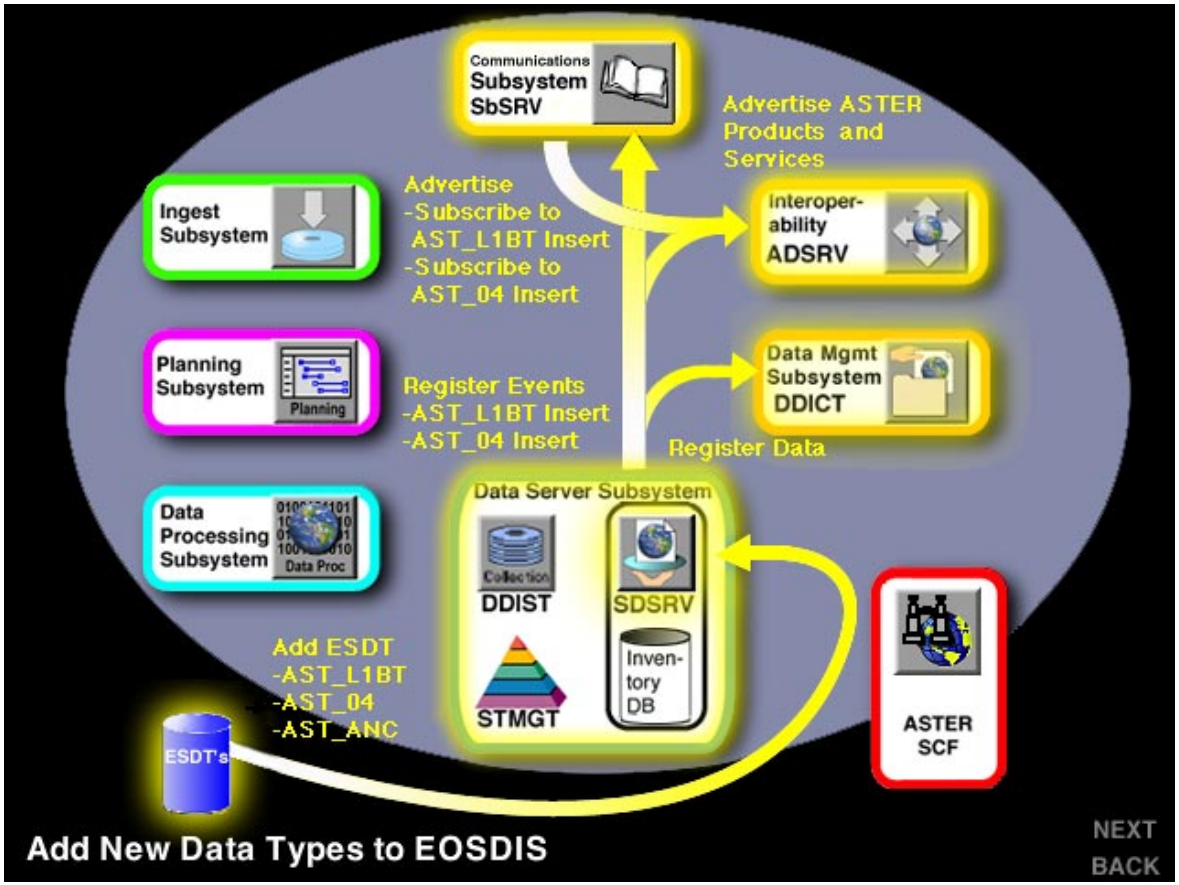
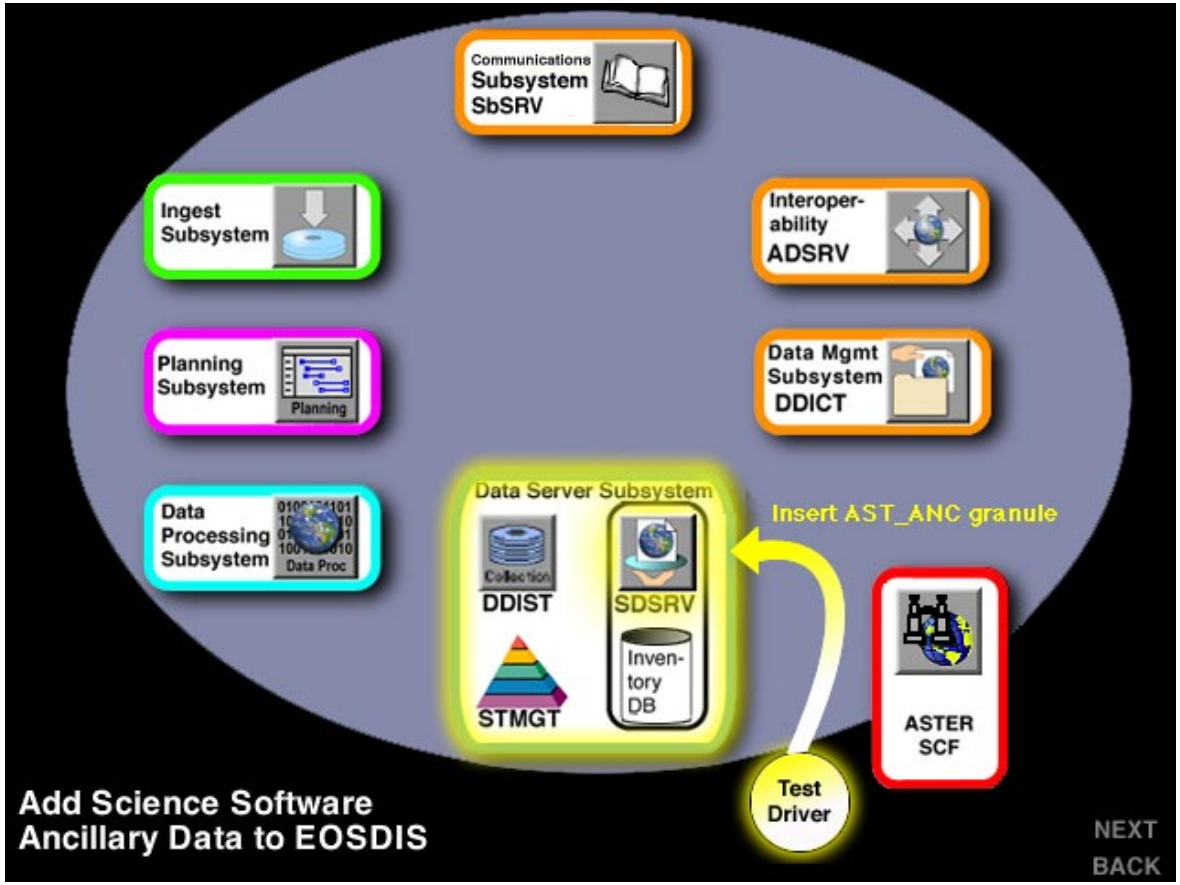
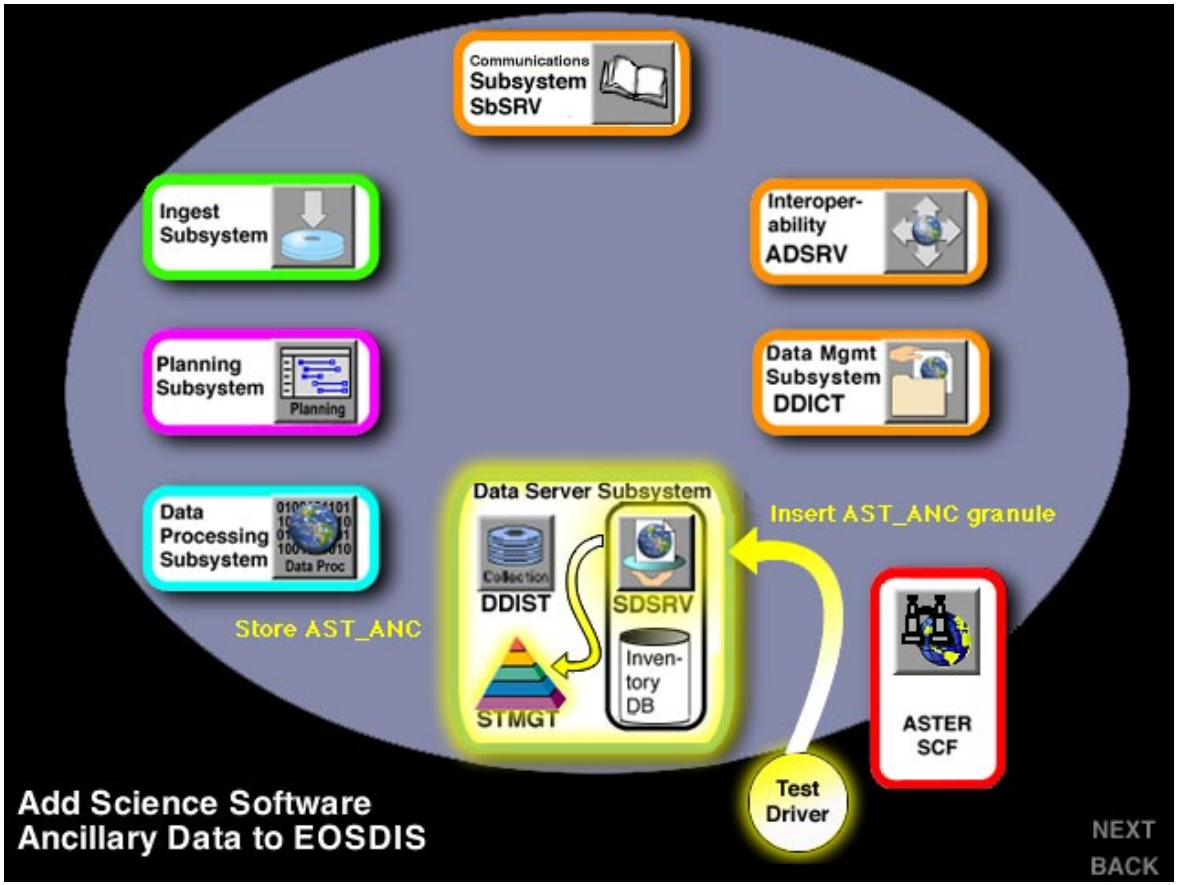
Ingest Subsystem
Interoper-ability ADSRV
Planning Subsystem
Planning
Data Mgmt Subsystem DDICT
Register Data
Data Processing Subsystem
Data Proc
Data Server Subsystem
Collection
DDIST
SDSRV
Inven-tory DB
STMGT
ASTER SCF
Add ESDT
-AST_L1BT
-AST_04
-AST_ANC
ESDT's
Add New Data Types to EOSDIS
NEXT
BACK

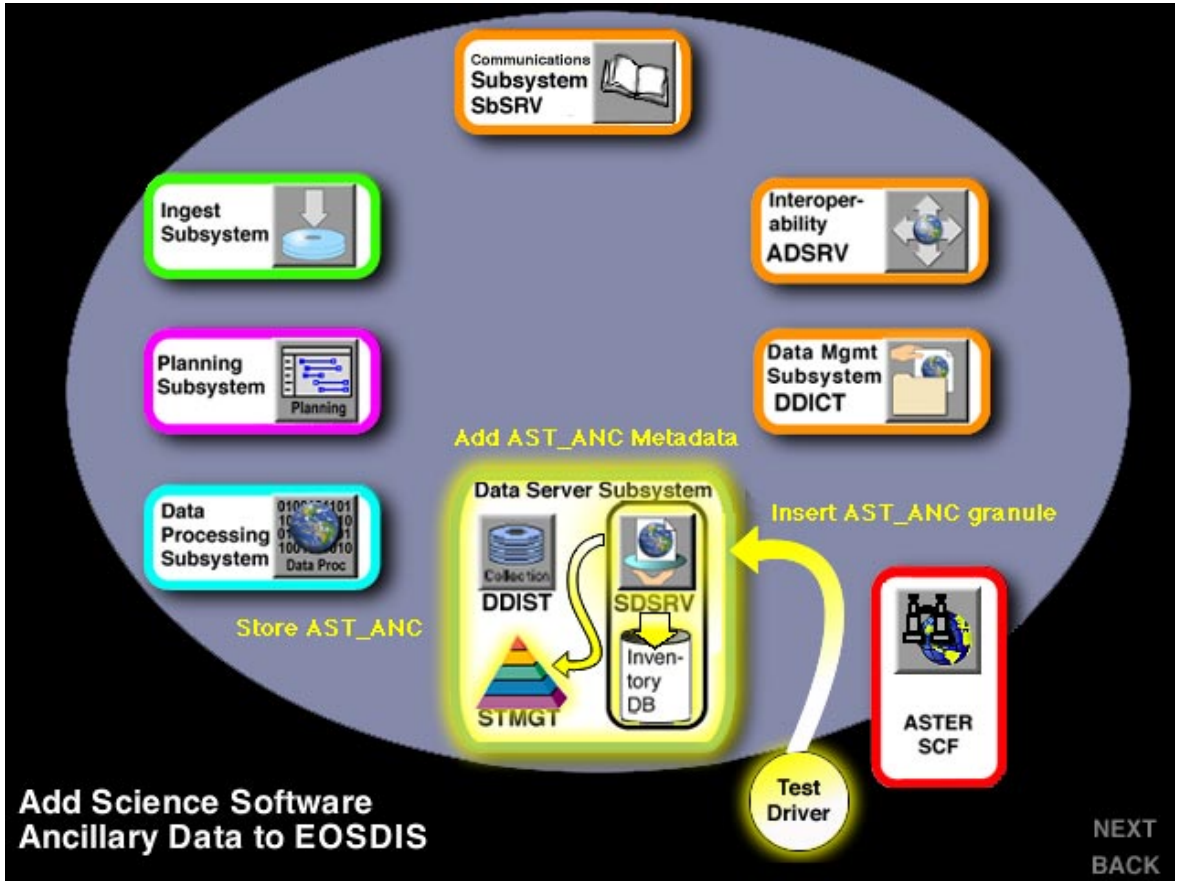

Communications Subsystem SbSRV
Advertise ASTER Products and Services
Ingest Subsystem
Interoper-ability ADSRV
Planning Subsystem
Planning
Data Mgmt Subsystem DDICT
Register Data
Data Processing Subsystem
Data Proc
Data Server Subsystem
Collection
DDIST
SDSRV
Inven-tory DB
STMGT
ASTER SCF
Add ESDT
-AST_L1BT
-AST_04
-AST_ANC
ESDT's
Add New Data Types to EOSDIS
NEXT
BACK

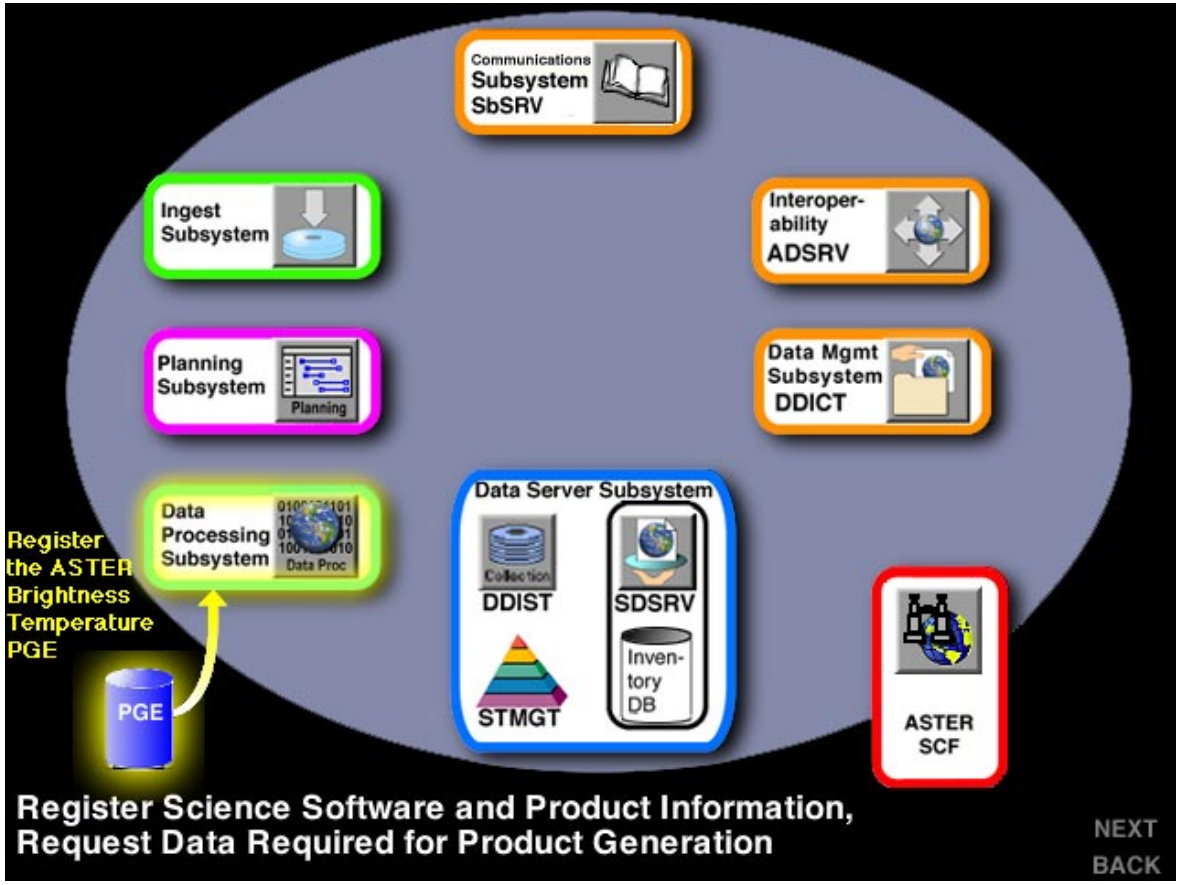

Communications Subsystem SbSRV
Advertise ASTER Products and Services
Ingest Subsystem
Interoper-ability ADSRV
Planning Subsystem
Planning
Register Events
-AST_L1BT Insert
-AST_04 Insert
Data Mgmt Subsystem DDICT
Register Data
Data Processing Subsystem
Data Proc
Data Server Subsystem
Collection
DDIST
SDSRV
Inven-tory DB
STMGT
Add ESDT
-AST_L1BT
-AST_04
-AST_ANC
ESDT's
ASTER SCF
Add New Data Types to EOSDIS
NEXT
BACK

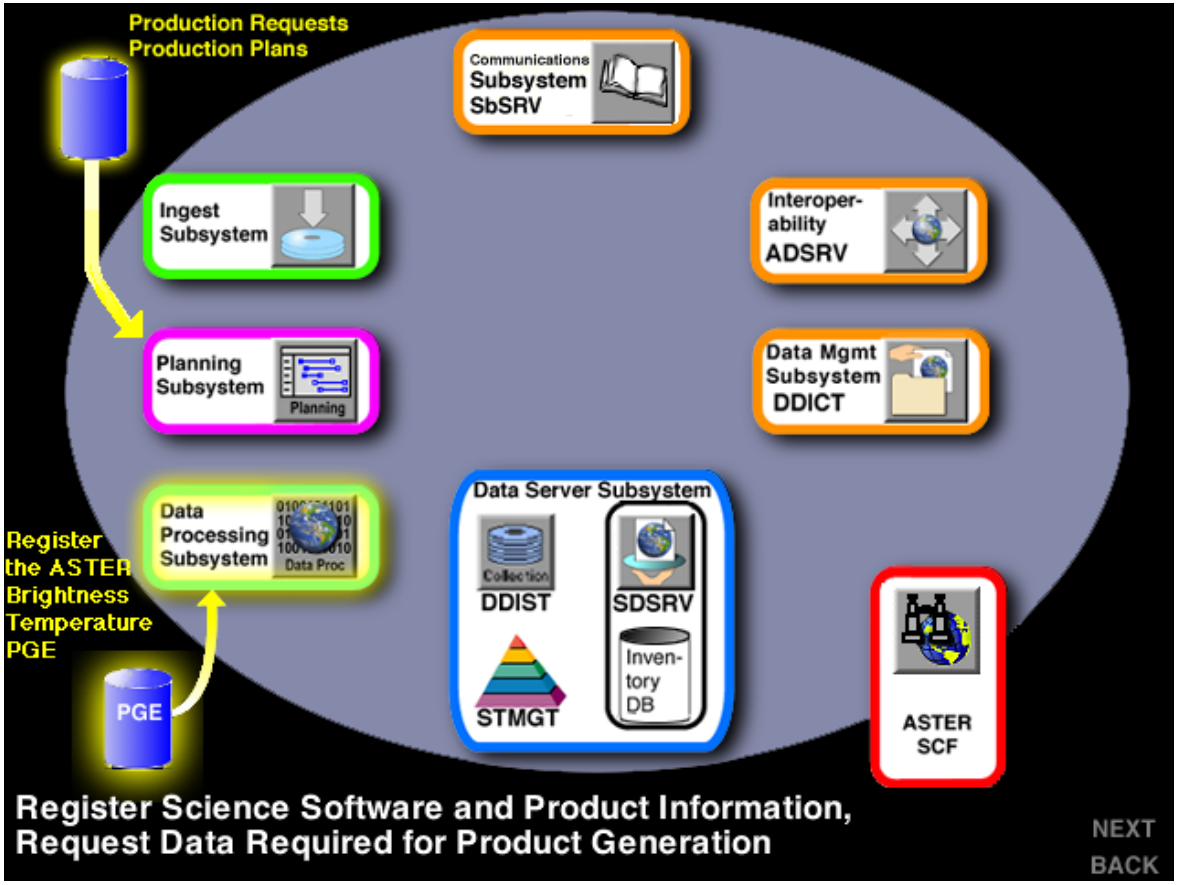

Communications Subsystem SbSRV
Advertise ASTER Products and Services
Ingest Subsystem
Advertise
-Subscribe to AST_L1BT Insert
-Subscribe to AST_04 Insert
Interoper-ability ADSRV
Planning Subsystem
Planning
Register Events
-AST_L1BT Insert
-AST_04 Insert
Data Mgmt Subsystem DDICT
Register Data
Data Processing Subsystem
Data Proc
Data Server Subsystem
Collection
DDIST
SDSRV
Inven-tory DB
STMGT
ASTER SCF
Add ESDT
-AST_L1BT
-AST_04
-AST_ANC
ESDT's
Add New Data Types to EOSDIS
NEXT
BACK


Communications Subsystem SbSRV
Ingest Subsystem
Interoper-ability ADSRV
Planning Subsystem
Planning
Data Mgmt Subsystem DDICT
Data Processing Subsystem
Data Proc
Data Server Subsystem
Collection
DDIST
SDSRV
Inven-tory DB
STMGT
Insert AST_ANC granule
ASTER SCF
Test Driver
Add Science Software Ancillary Data to EOSDIS
NEXT
BACK


Communications Subsystem SbSRV
Ingest Subsystem
Interoper-ability ADSRV
Planning Subsystem
Planning
Data Mgmt Subsystem DDICT
Data Processing Subsystem
Data Proc
Data Server Subsystem
Collection
DDIST
SDSRV
Inven-tory DB
STMGT
Store AST_ANC
Insert AST_ANC granule
ASTER SCF
Test Driver
Add Science Software Ancillary Data to EOSDIS
NEXT
BACK


Communications Subsystem SbSRV
Ingest Subsystem
Interoper-ability ADSRV
Planning Subsystem
Planning
Data Mgmt Subsystem DDICT
Add AST_ANC Metadata
Data Server Subsystem
Data Processing Subsystem
Data Proc
Insert AST_ANC granule
Collection
DDIST
SDSRV
Inven-tory DB
STMGT
Store AST_ANC
ASTER SCF
Test Driver
Add Science Software Ancillary Data to EOSDIS
NEXT
BACK


Communications Subsystem SbSRV
Ingest Subsystem
Interoper-ability ADSRV
Planning Subsystem
Planning
Data Mgmt Subsystem DDICT
Data Processing Subsystem
Data Proc
Data Server Subsystem
Collection
DDIST
SDSRV
Inven-tory DB
STMGT
ASTER SCF
Register the ASTER Brightness Temperature PGE
PGE
Register Science Software and Product Information, Request Data Required for Product Generation
NEXT
BACK


Production Requests
Production Plans
Communications Subsystem SbSRV
Ingest Subsystem
Interoper-ability ADSRV
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Planning
Data Mgmt Subsystem DDICT
Data Processing Subsystem
Data Proc
Data Server Subsystem
Collection
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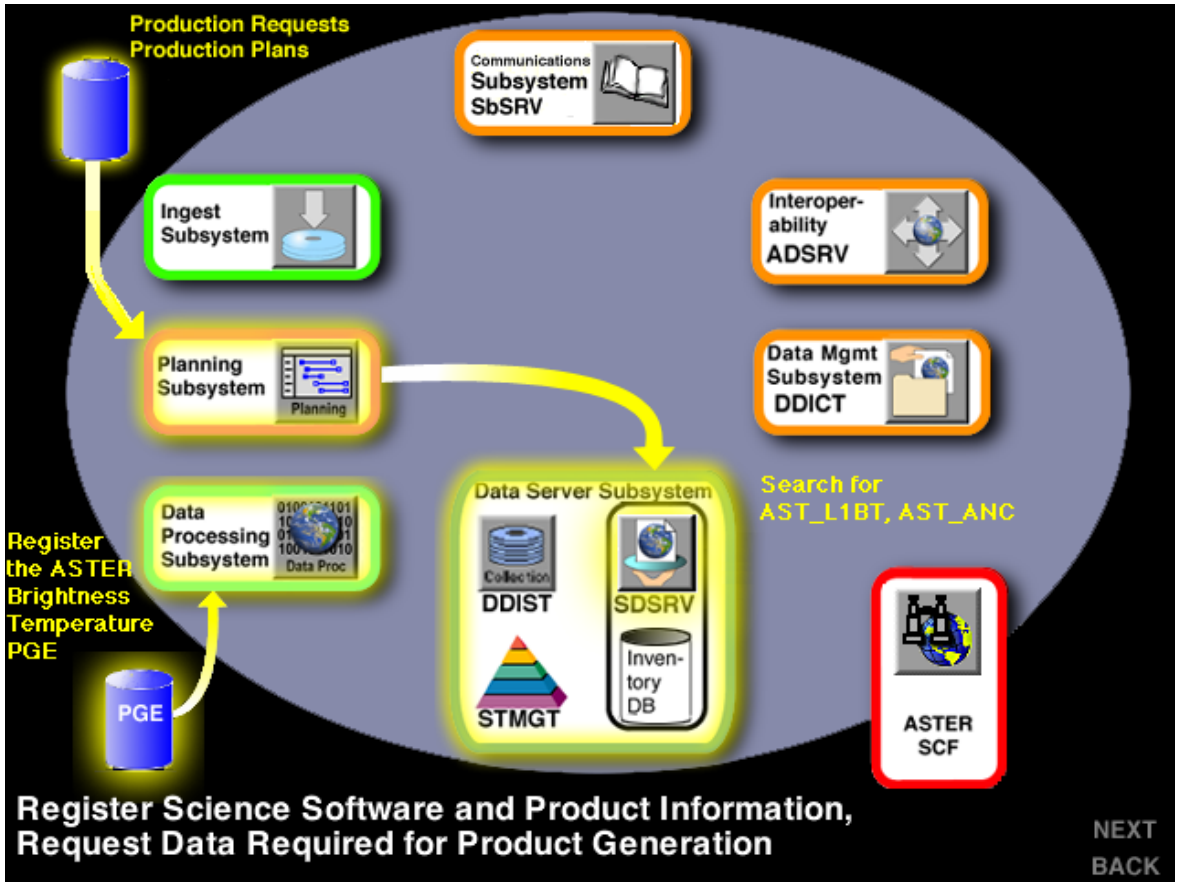
STMGT
ASTER SCF
Register the ASTER Brightness Temperature PGE
PGE
Register Science Software and Product Information, Request Data Required for Product Generation
NEXT
BACK


Production Requests
Production Plans
Communications
Subsystem
SbSRV
Ingest
Subsystem
Interoper-
ability
ADSRV
Planning
Subsystem
Planning
Data Mgmt
Subsystem
DDICT
Data Server Subsystem
Search for
AST_L1BT, AST_ANC
Data
Processing
Subsystem
Data Proc
Register
the ASTER
Brightness
Temperature
PGE
Collection
DDIST
SDSRV
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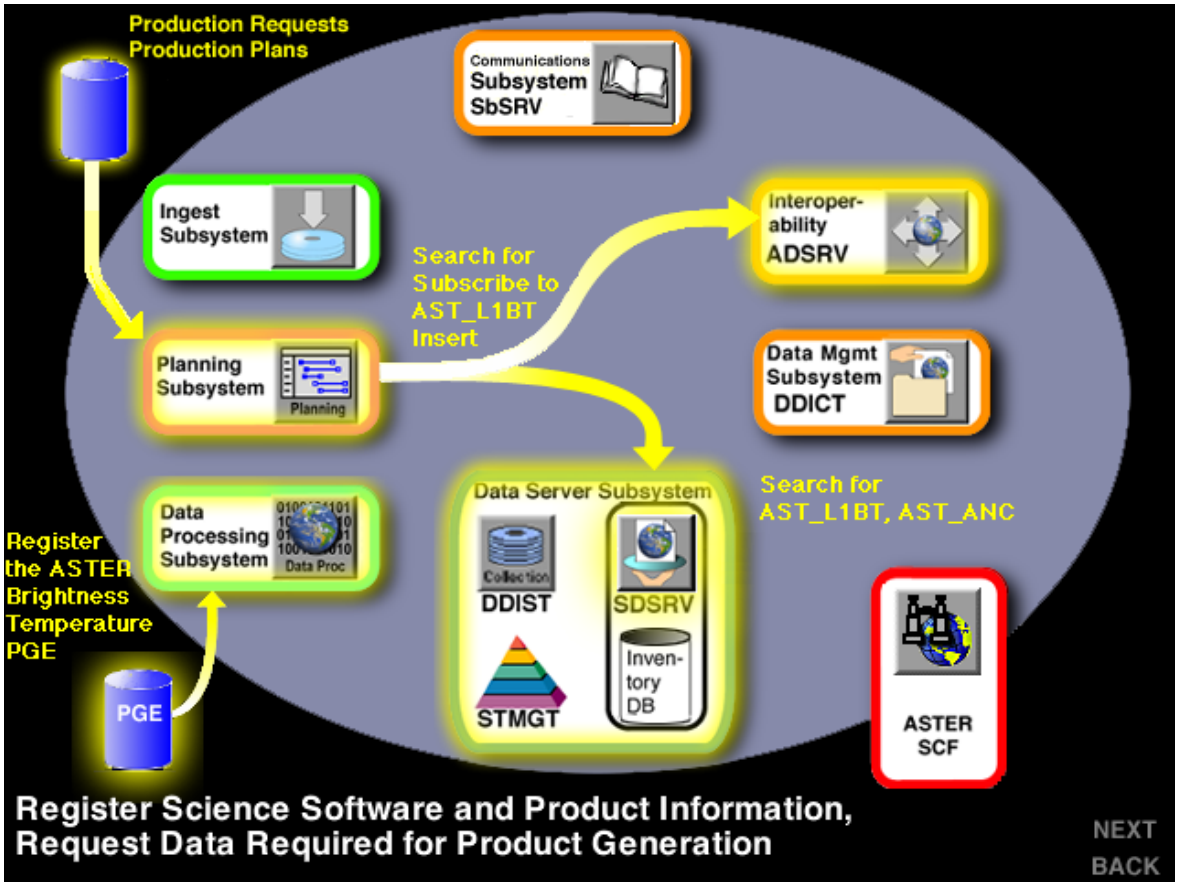
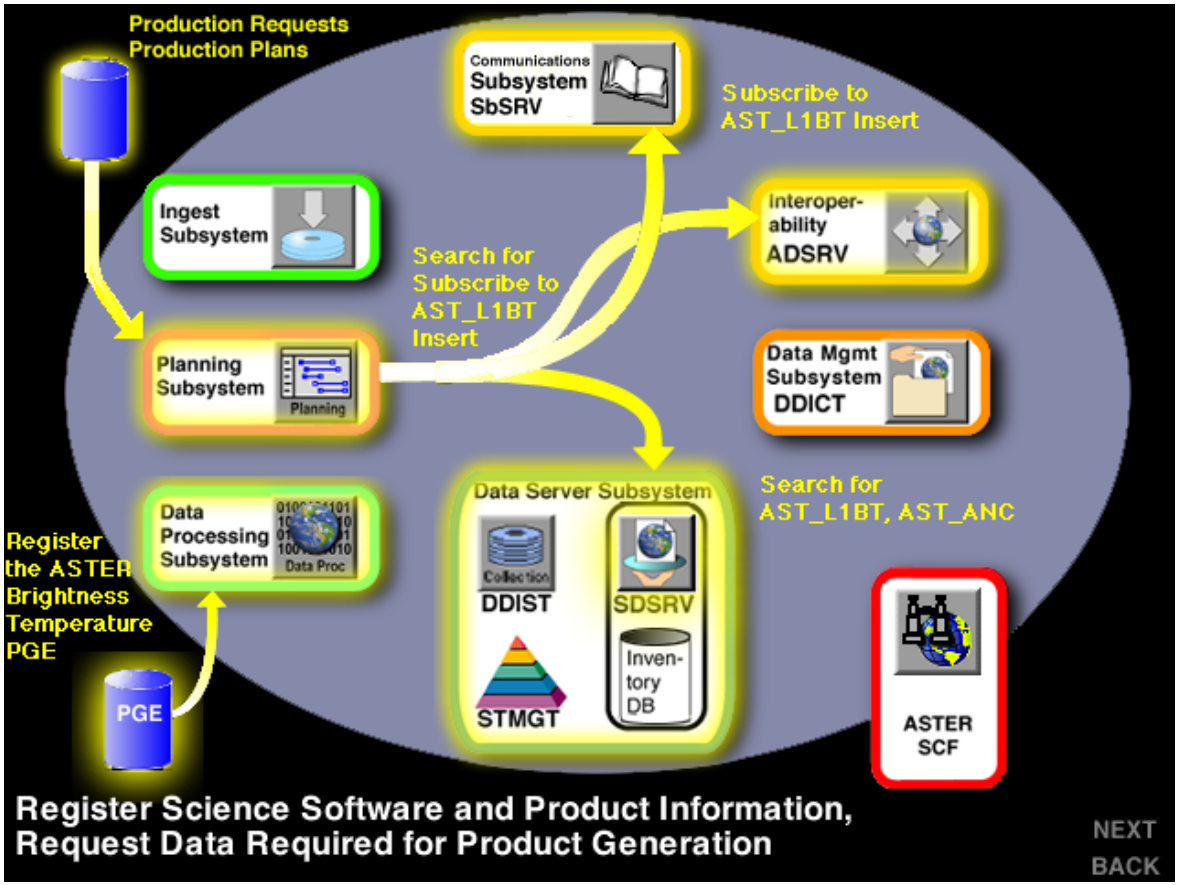
DB
STMGT
ASTER
SCF
PGE
Register Science Software and Product Information,
Request Data Required for Product Generation
NEXT
BACK


Production Requests
Production Plans
Communications Subsystem SbSRV
Ingest Subsystem
Search for Subscribe to AST_L1BT Insert
interoper-ability ADSRV
Planning Subsystem
Planning
Data Mgmt Subsystem DDICT
Data Server Subsystem
Search for AST_L1BT, AST_ANC
Data Processing Subsystem
Data Proc
Register the ASTER Brightness Temperature PGE
PGE
Collection
DDIST
SDSRV
Inven-tory DB
STMGT
ASTER SCF
Register Science Software and Product Information, Request Data Required for Product Generation
NEXT
BACK


Production Requests
Production Plans
Communications Subsystem SbSRV
Subscribe to AST_L1BT Insert
Ingest Subsystem
Interoper-ability ADSRV
Search for Subscribe to AST_L1BT Insert
Planning Subsystem
Planning
Data Mgmt Subsystem DDICT
Data Server Subsystem
Search for AST_L1BT, AST_ANC
Data Processing Subsystem
Data Proc
Collection
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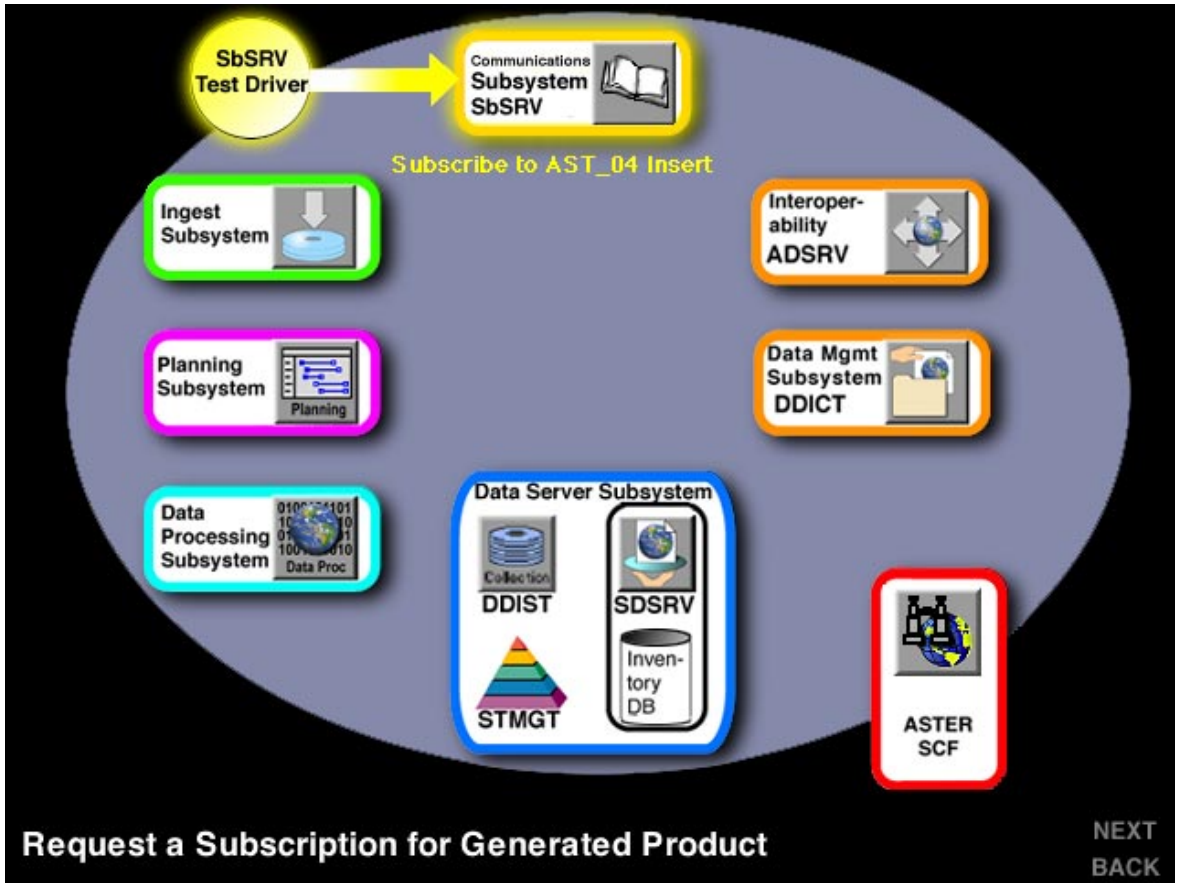
SDSRV
Inven-tory DB
STMGT
ASTER SCF
Register the ASTER Brightness Temperature PGE
PGE
Register Science Software and Product Information, Request Data Required for Product Generation
NEXT
BACK


SbSRV
Test Driver
Communications
Subsystem
SbSRV
Subscribe to AST_04 Insert
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Subsystem
Interoper-
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Planning
Subsystem
Planning
Data Mgmt
Subsystem
DDICT
Data
Processing
Subsystem
Data Proc
Data Server Subsystem
Collection
DDIST
SDSRV
Inven-
tory
DB
STMGT
ASTER
SCF
Request a Subscription for Generated Product
NEXT
BACK