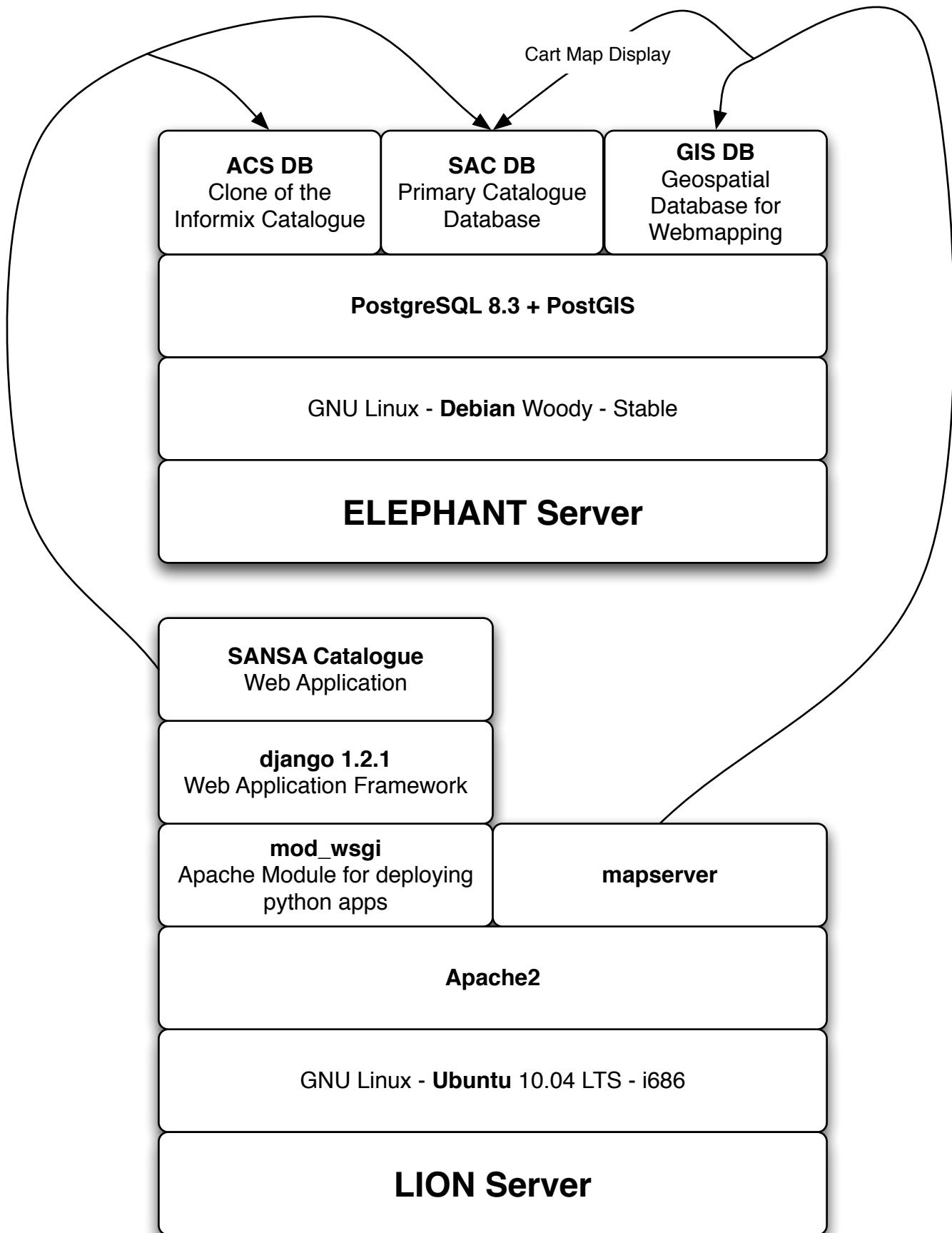
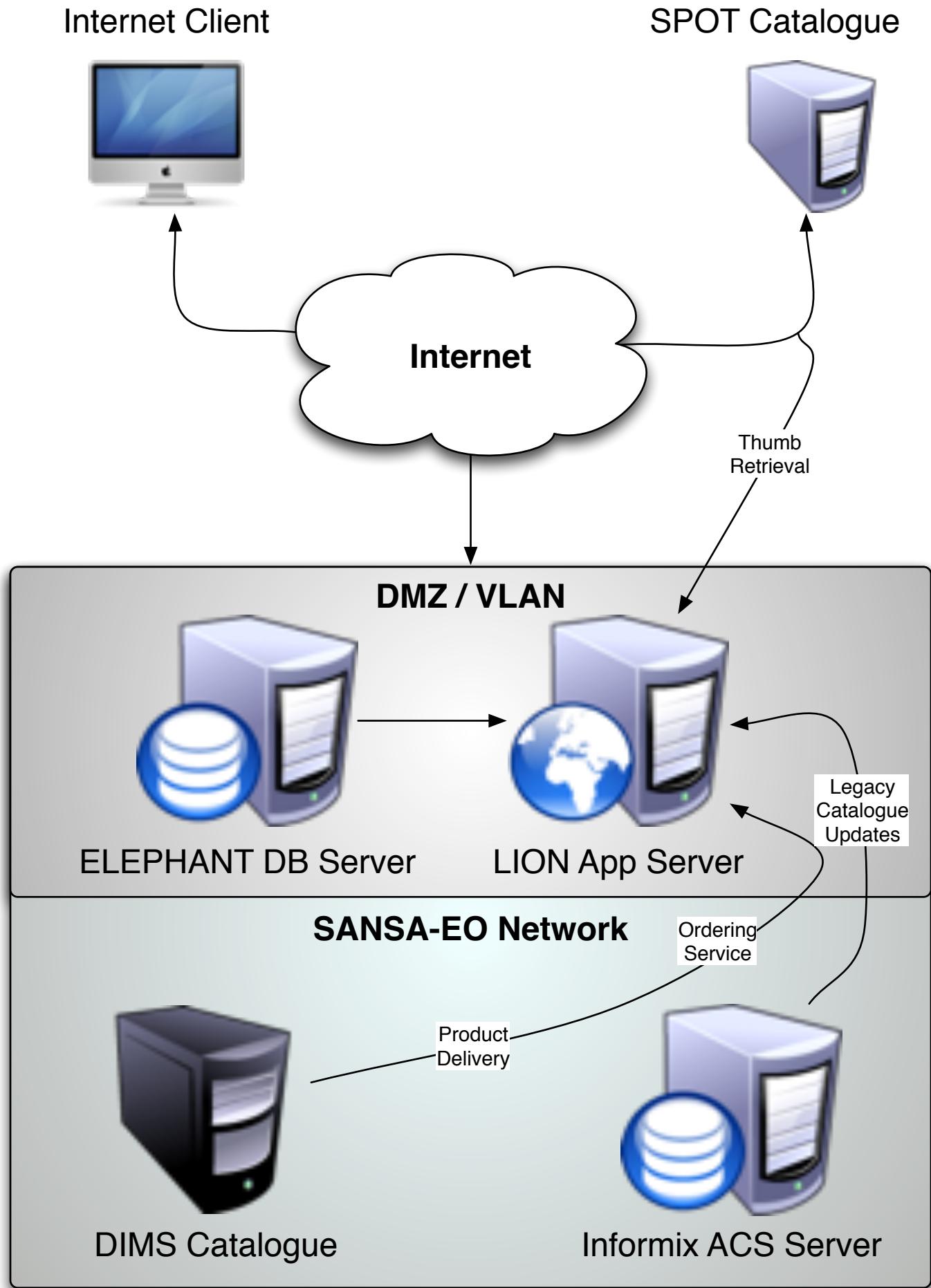


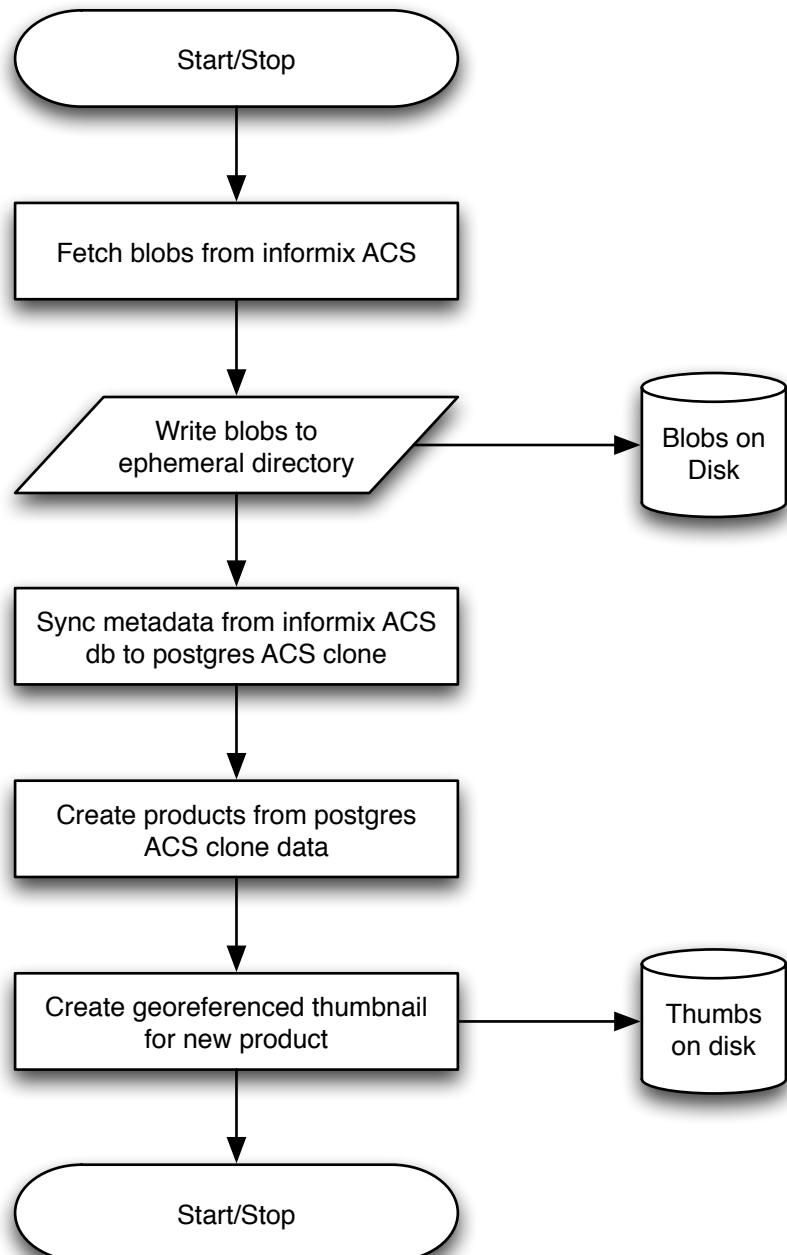
# Software Architecture Overview



# Network Architecture Overview



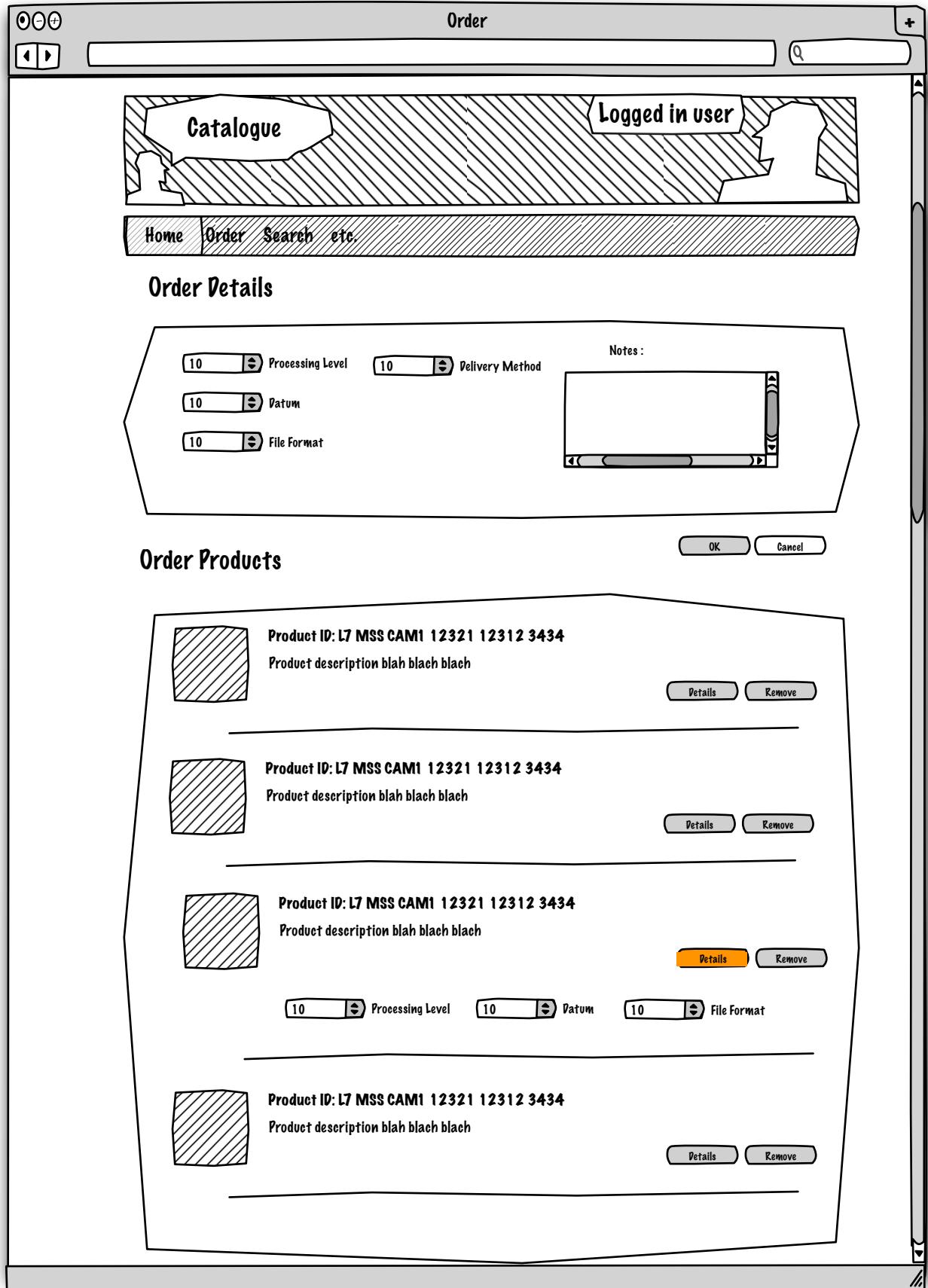
# ACS Import Procedure

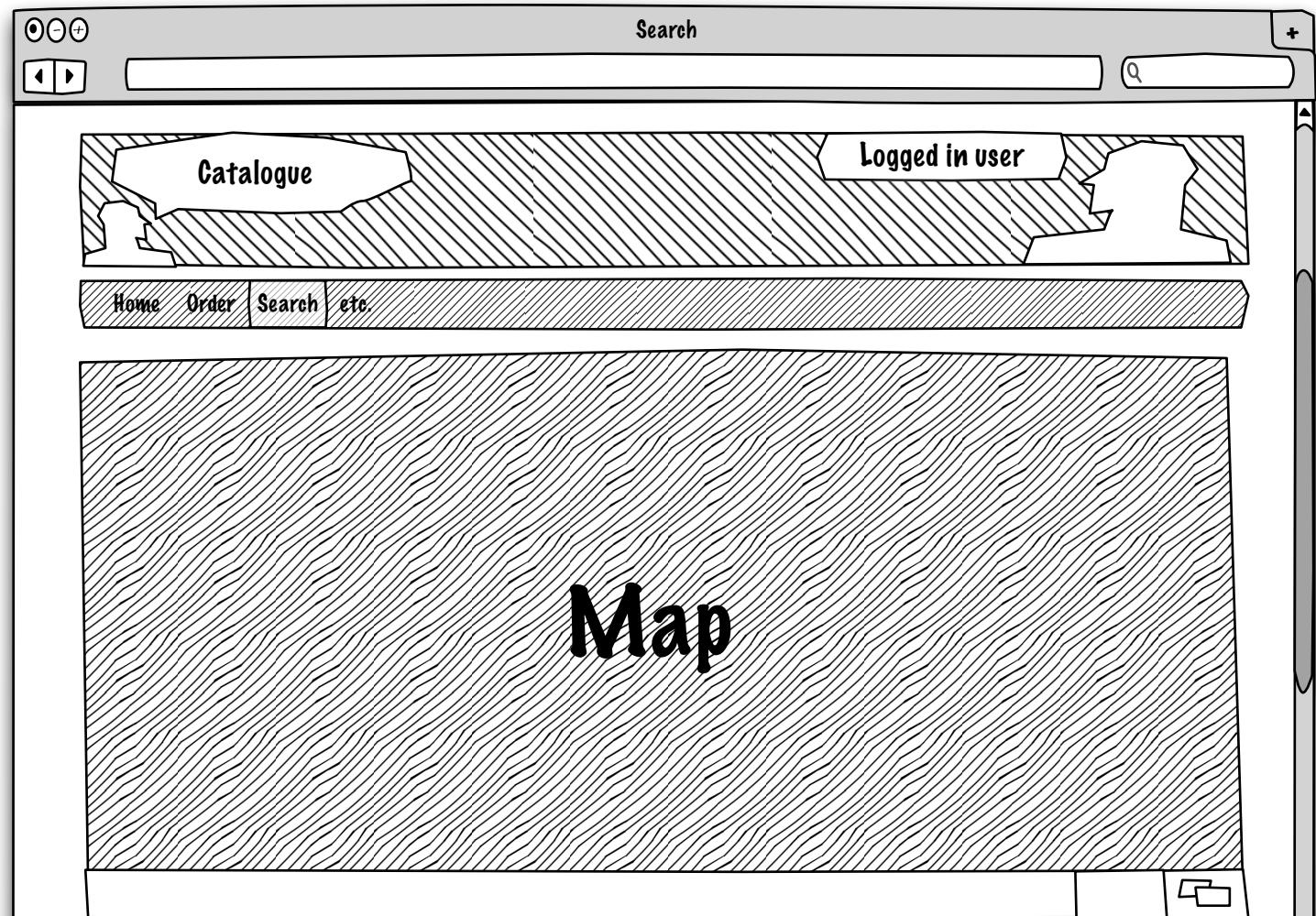


**Product Overview****Product Details**Organisation **SANSA-EO**Operator **Joe Smith**Product Type **SPOTS**Processing Level **Level 1Aa**Pixel dimensions x,y **-2.5 ▾ -2.5 ▾**Product date **24/02/2011**Product time **10:23.676**

Thumbnail

**OK****Apply****Cancel****Product Overview****Product Details**Row **34**Path **22**Acquisition angle **34****OK****Apply****Cancel**





Simple Search [Map Help](#) [Toggle Advanced Search](#) [Search](#)

## Dates

Start

February 2008

S	M	T	W	T	F	S
1	2					
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	

End

February 2008

S	M	T	W	T	F	S
1	2					
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	

Date range(s)\*

01-01-2010 : 01-10-2011  
01-01-2010 : 01-10-2011  
etc.

Add

Remove

Remove

[Search](#)

# Product ID Filter - Optical Products

## Preview

L5 MS MSS MSS 10-21 12-14 100101 100202 L1A

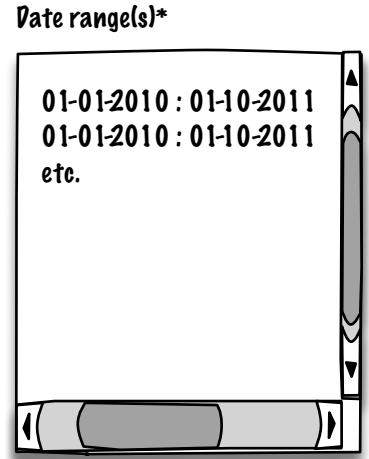
## Sensor Info

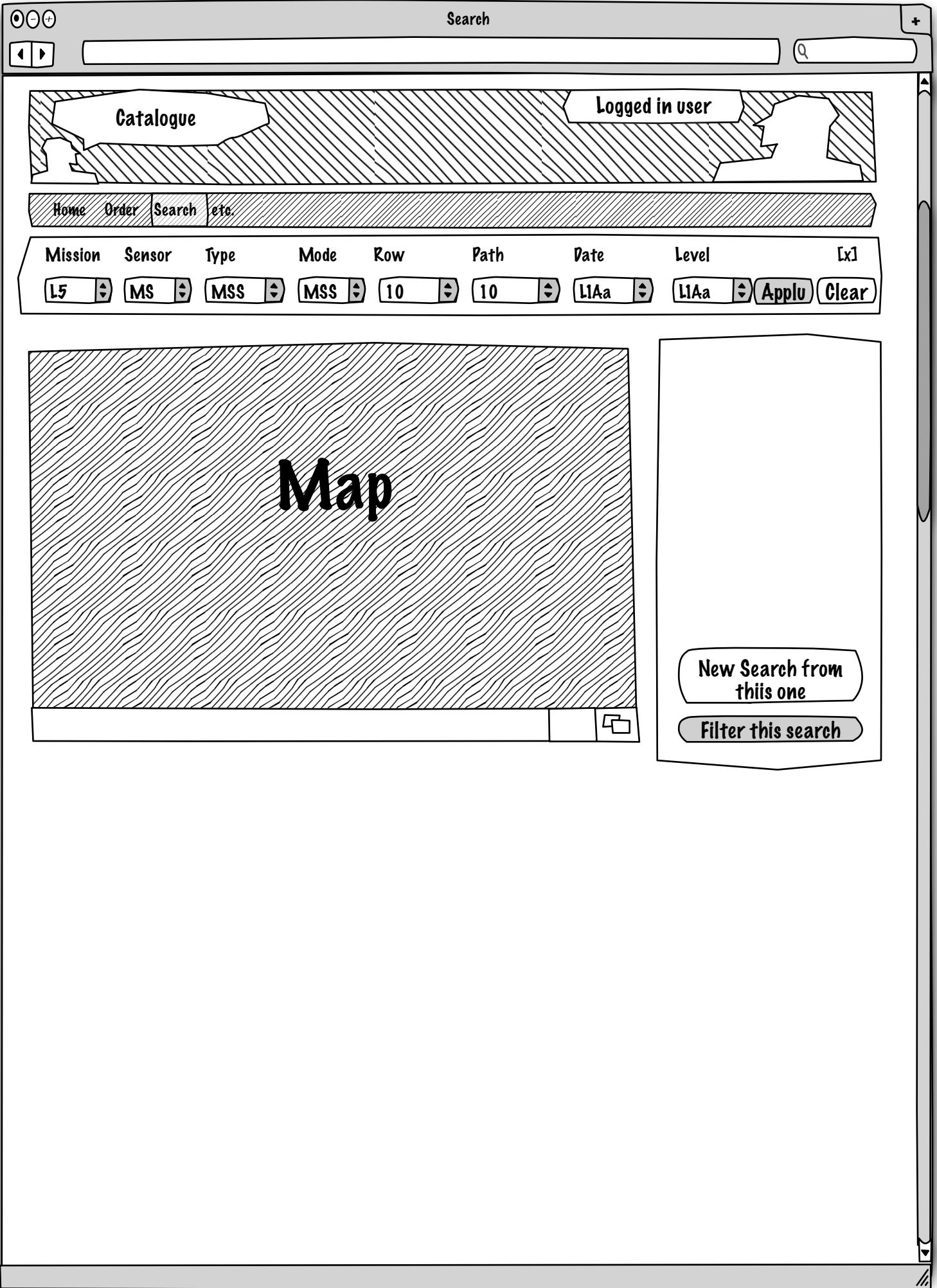
Mission	Sensor	Sensor Type	Acquisition Mode
L5	MS	MSS	MSS

## Row & Path

Row	[12,20]	Level	L1Aa
Path	14,12,33,9		

## Dates





# Advanced Search

[Map Help](#)[Toggle Advanced Search](#)[Search](#)

## Product Type Details

Product Type\*

Optical

License Type

Free

## Sensor Details

Mission(s)

Landsat 5  
Spot 5  
etc.

Type(s)

MSS  
Pan  
etc.

Mission Sensor(s)

MSS  
Pan  
etc.

Models

MS  
HRT  
etc.

## Image Details

 Cloud Cover0%  100%*Note: select nothing = use all*

Acquisition Angle Min

10

Max

14.5

Spatial Resolution\*

1 - 7m

Bands

Panchromatic

## Row & Path

Row

[12,20]

Level(s)

Path

14,12,33,9

L1a  
L1b  
etc.

Allowed formats: Single item e.g. 11, Range [min,max] e.g. [12,20], List e.g. 12,15,22

## Geometry

[Upload Shapfile](#)[Upload KML](#)

Position &amp; Radius or Box

[12,20]

Allowed formats: Point with radius e.g. 22,-32,100m, BBox e.g. 1,1,3,3

## Dates

Start

February 2008	<input type="button" value="&lt;"/>	<input type="button" value="&gt;"/>
S M T W T F S		
1 2		
3 4 5 6 7 8 9		
10 11 12 13 14 15 16		
17 18 19 20 21 22 23		
24 25 26 27 28 29		

End

February 2008	<input type="button" value="&lt;"/>	<input type="button" value="&gt;"/>
S M T W T F S		
1 2		
3 4 5 6 7 8 9		
10 11 12 13 14 15 16		
17 18 19 20 21 22 23		
24 25 26 27 28 29		

Date range(s)\*

01-01-2010 : 01-10-2011  
01-01-2010 : 01-10-2011  
etc.[Add](#)[Remove](#)[Search](#)

# Advanced Search

[Map Help](#)[Toggle Advanced Search](#)[Search](#)

## Product Type Details

Product Type\*

Radar

License Type

Free

## Sensor Details

Mission(s)

SAR  
ERS  
etc.

Mission Sensor(s)

SAR  
ERS  
etc.

Type(s)

SAR  
ERS  
etc.

Model(s)

SAR  
ERS

## Image Details

Polarisation Mode

 Single Pole    Dual Pole    Quad Pole    All

Incidence Angle Min

10

Max

14.5

Spatial Resolution\*

1 - 7m

Note: Select  
nothing = use all

## Row & Path

Row

[12,20]

Level(s)

Path

14,12,33,9

L1a  
L1b  
etc.

Allowed formats: Single item e.g. 11, Range [min,max] e.g. [12,20], List e.g. 1,2,15,22

## Processing

## Geometry

[Upload Shapefile](#)[Upload KML](#)

Position &amp; Radius or Box

[12,20]

Allowed formats: Point with radius e.g. 22,-32,100m, BBox e.g. 1,1,3,3

## Dates

Start

February 2008

S	M	T	W	T	F	S
1	2					
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	

End

February 2008

S	M	T	W	T	F	S
1	2					
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	

Date range(s)\*

01-01-2010 : 01-10-2011  
01-01-2010 : 01-10-2011  
etc.[Add](#)[Remove](#)[Search](#)

# Advanced Search

[Map Help](#)[Toggle Advanced Search](#)[Search](#)

## Product Type Details

Product Type\*

Generic Imagery

License Type

Free

## Image Details

Spatial Resolution\*

1 - 7m

Level(s)

L1a

L1b

etc.

Bands

Panchromatic

## Geometry

[Upload Shapefile](#)[Upload KML](#)

Position &amp; Radius or Box

[12,20]

Allowed formats: Point with radius e.g. 22,-32,100m, BBox e.g. 1,1,3,3

## Dates

Start

February 2008

S	M	T	W	T	F	S
				1	2	
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
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End

February 2008

S	M	T	W	T	F	S
				1	2	
3	4	5	6	7	8	9
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17	18	19	20	21	22	23
24	25	26	27	28	29	

Date range(s)\*

01-01-2010 : 01-10-2011  
01-01-2010 : 01-10-2011  
etc.

[Search](#)

# Advanced Search

## Product Type Details

Product Type\*

Geospatial Product 

License Type

Free 

Note: \* items mandatory

## Product Details

Effective Scale Better Than 1:

Topic

Landcover 

## Geometry





Position & Radius or Box

[12,20]

Allowed formats: Point with radius e.g. 22,-32,100m, BBox e.g. 1,1,3,3

## Dates

Start

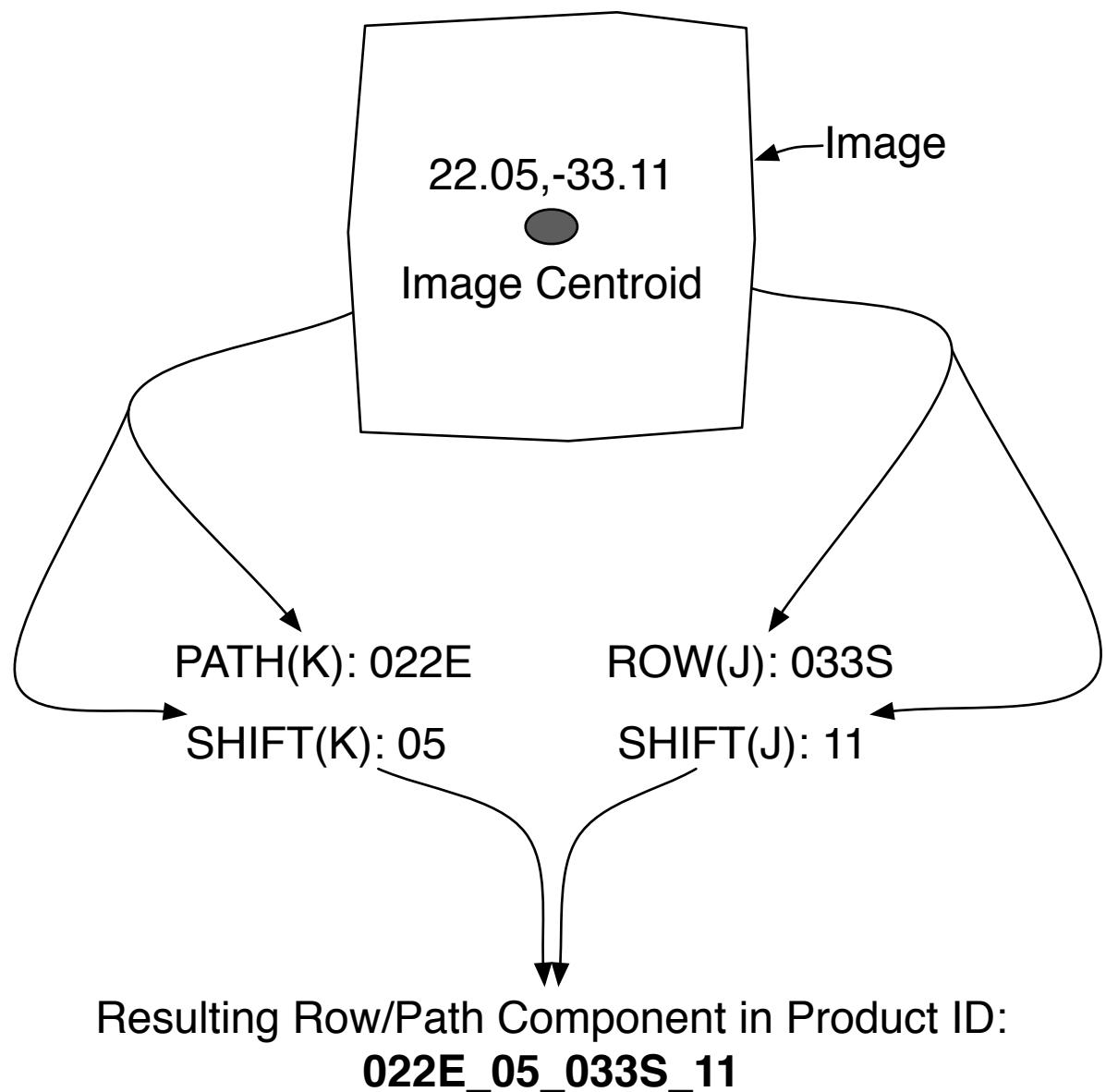


End





# Centroid Derived Row/Path for product ID's





# Catalogue Monthly Summary

June 2011

## Order Overview

New orders placed this month	10
All currently active orders (not month specific)	20
Orders completed this month	5
Orders cancelled this month	4
Synopsis: Summary of orders and their status	

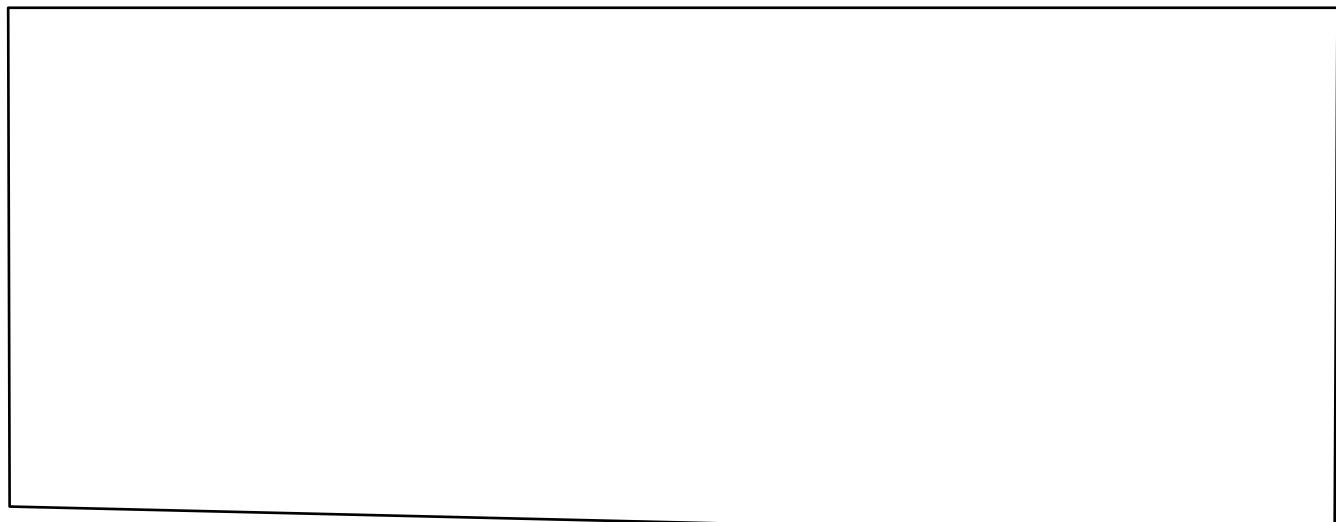
## Sensor Based Products Overview

Landsat5	10
New and existing orders with status 'placed'	20
New and existing orders completed	5
Orders cancelled	4
etc.	

## Searches by country of user

South Africa	100
Mongolia	20
Latvia	5
Nigeria	4
etc.	

## Search intensity map



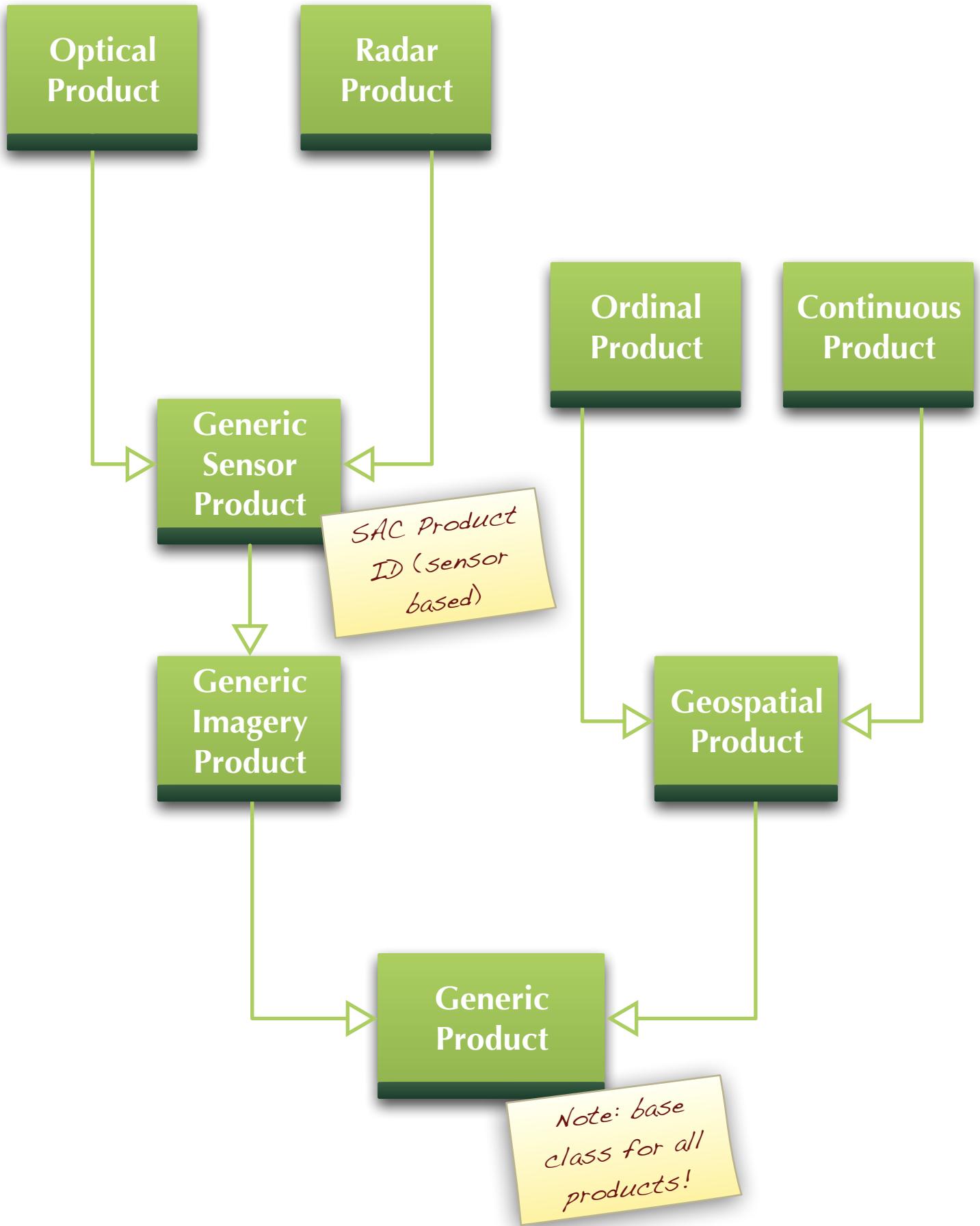
<1m, 1-7m, 7-25m,  
25-70m, 70-1km

Pan, True Colour,  
Multispectral, Superspectral,  
Hyperspectral

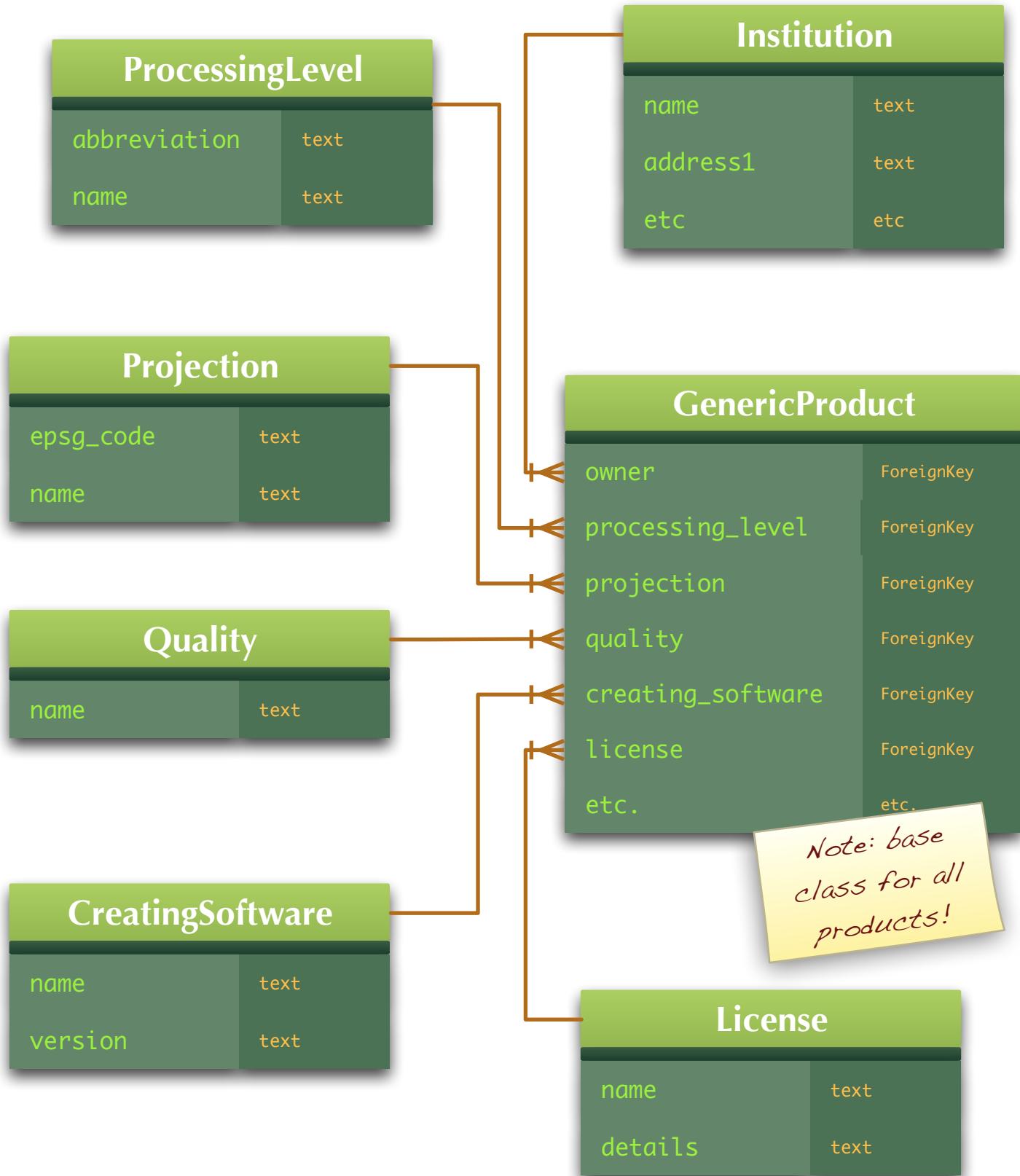
Optucal, Generic Imagery,  
Radar, GeoSpatial

Free, Government,  
Commercial, Any

# Product Heirarchy



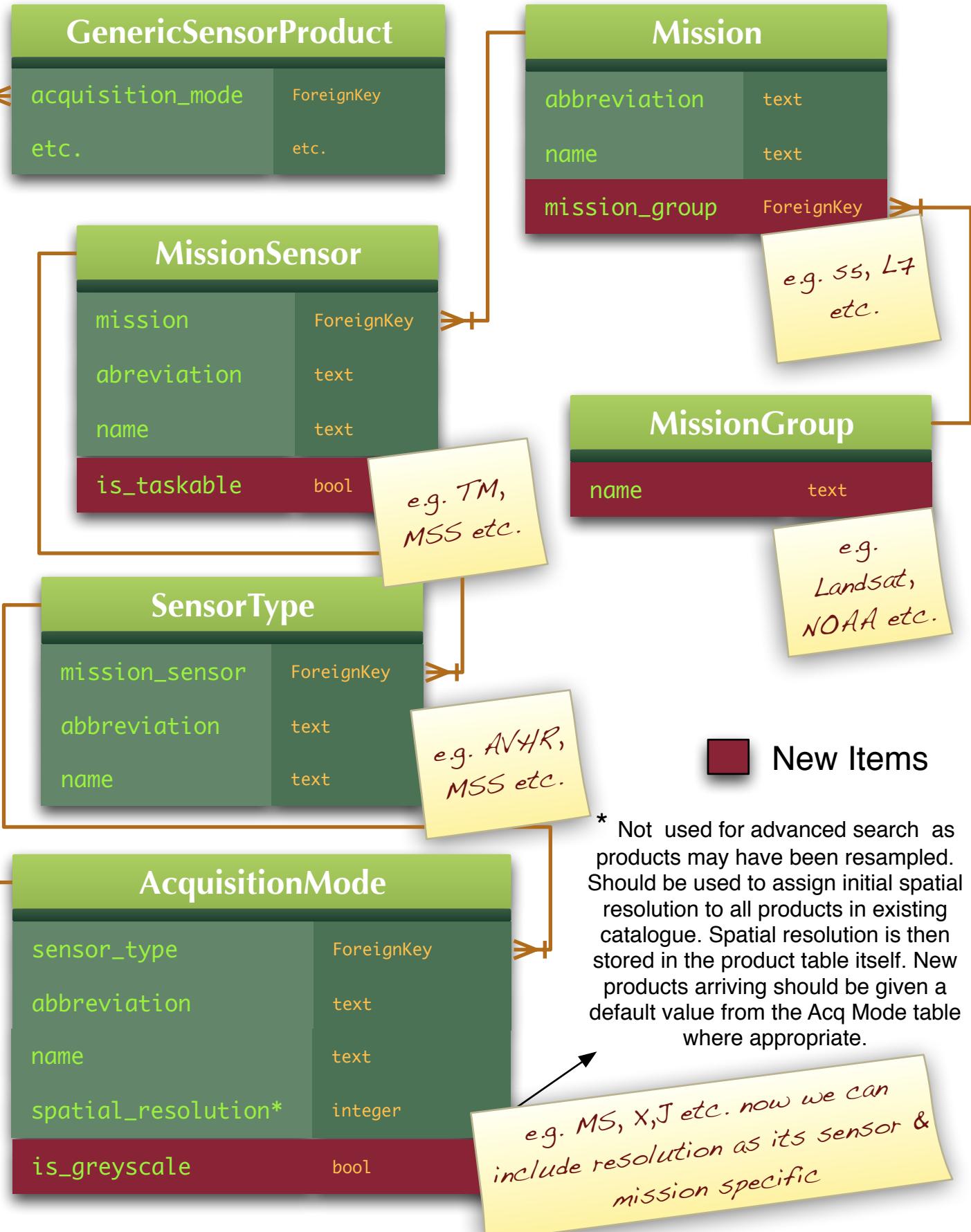
# Generic Product Dictionaries

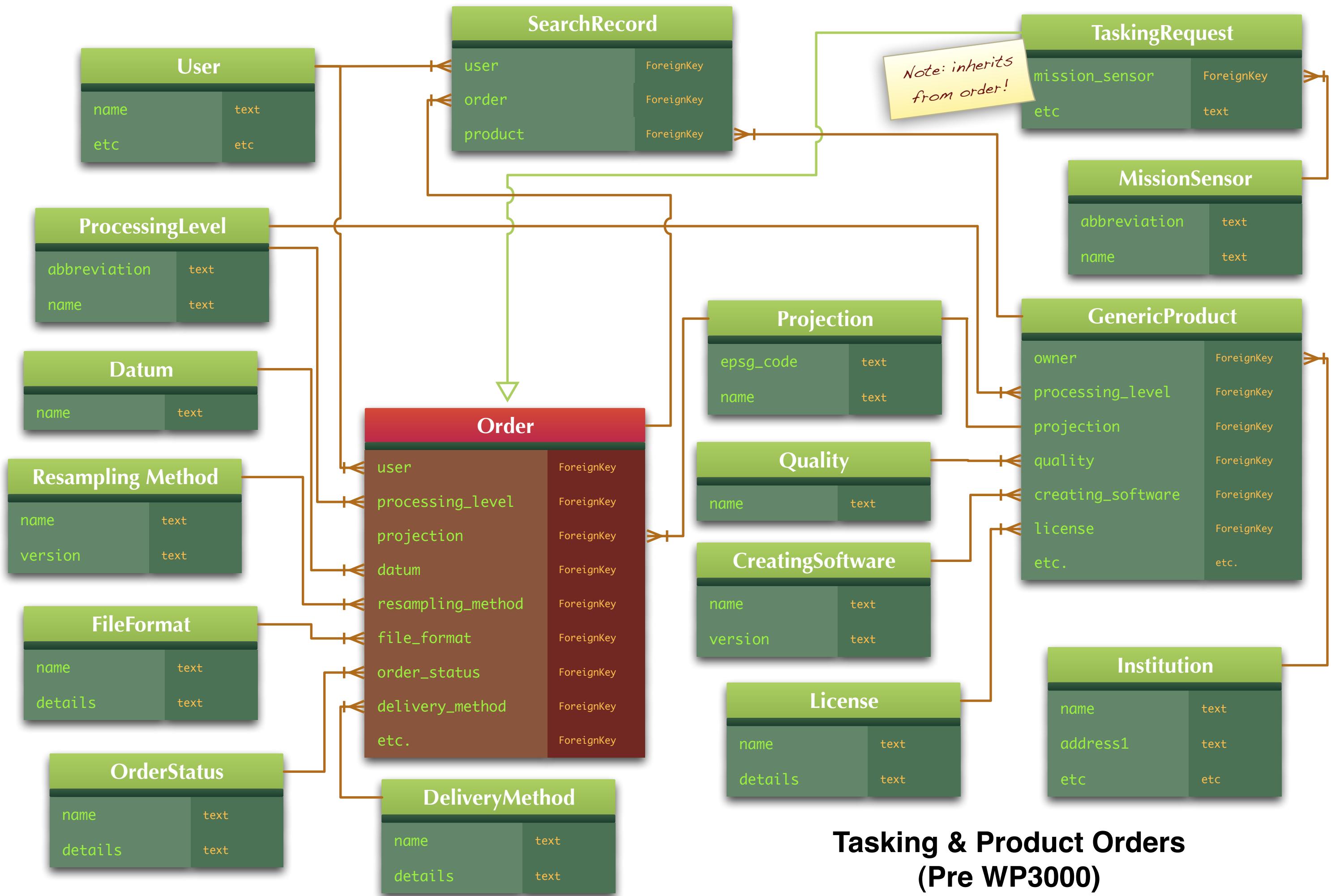


# Generic Sensor Product Dictionaries (Pre-refactoring)



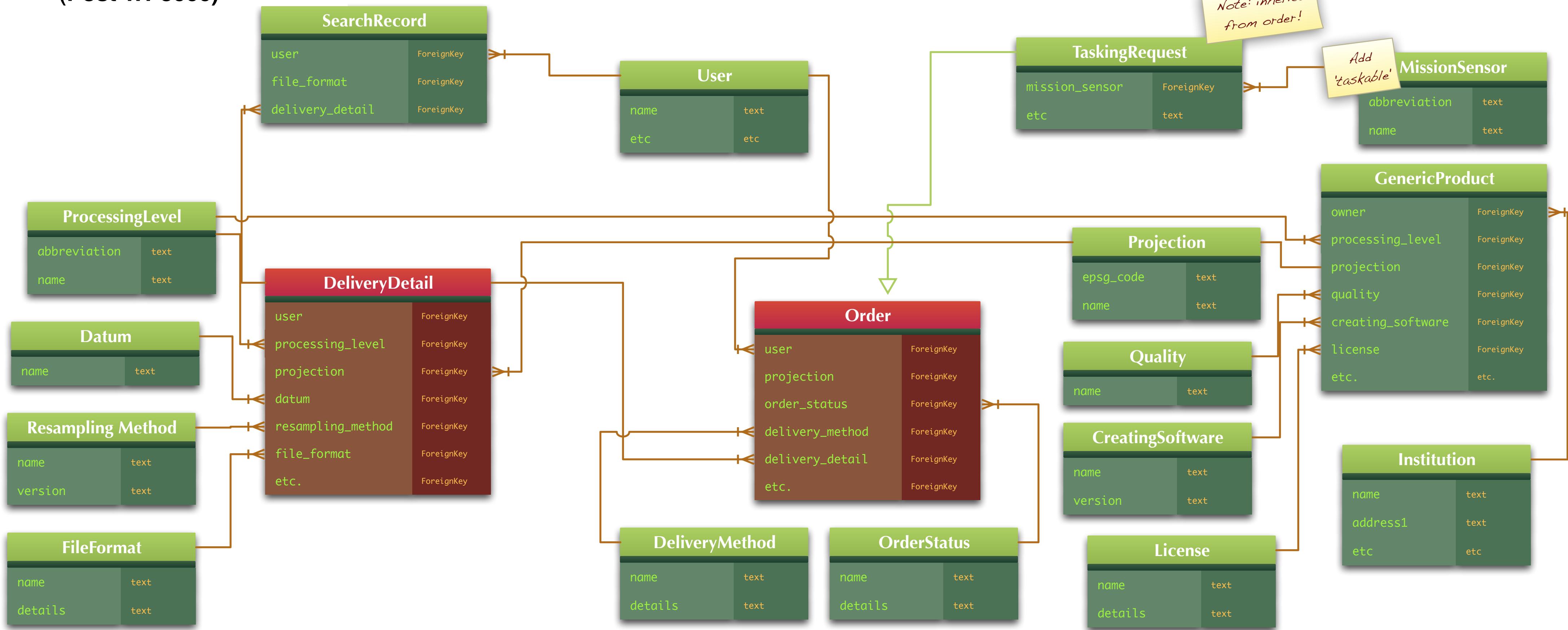
# Generic Sensor Product Dictionaries



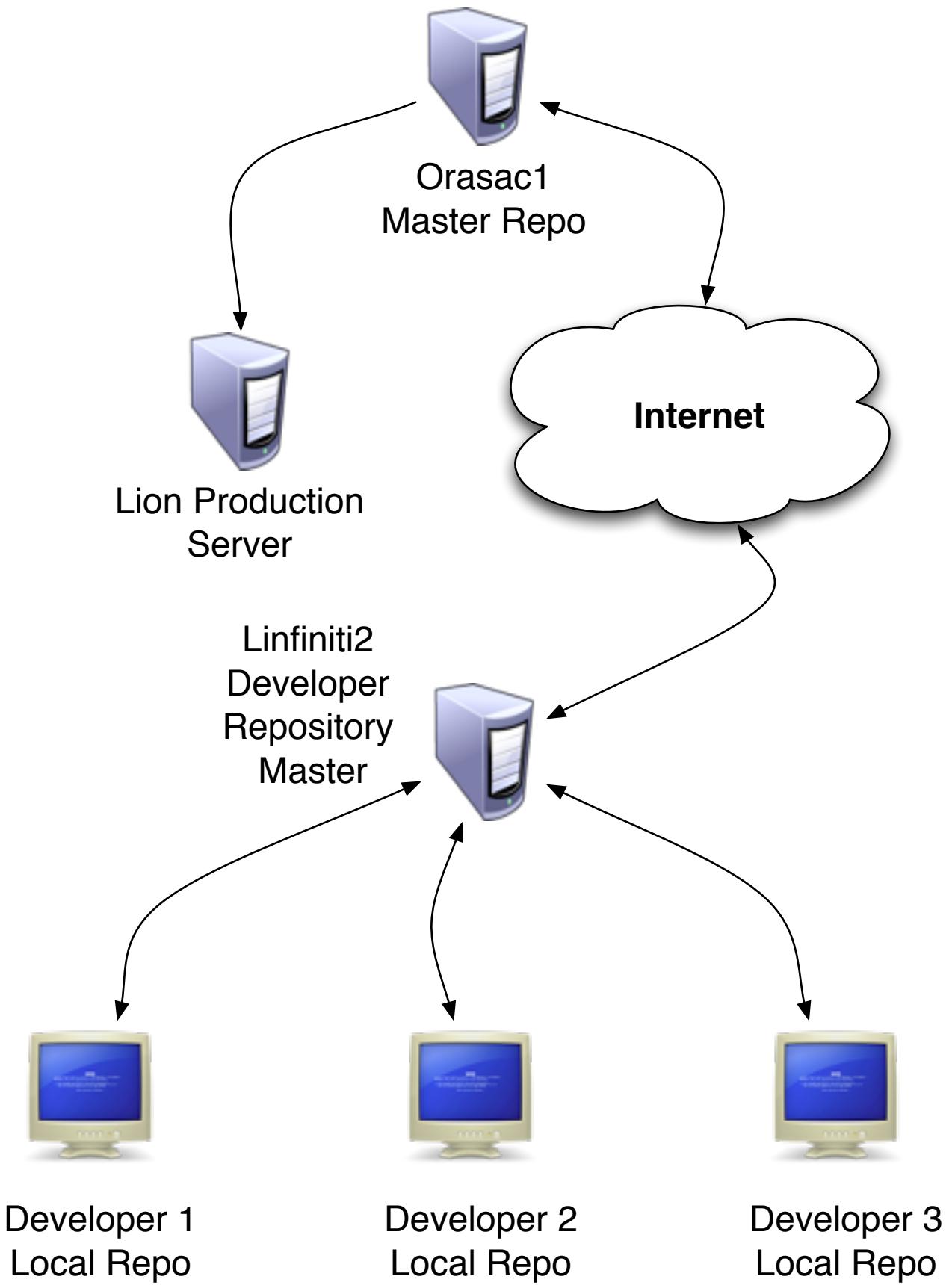


# Tasking & Product Orders

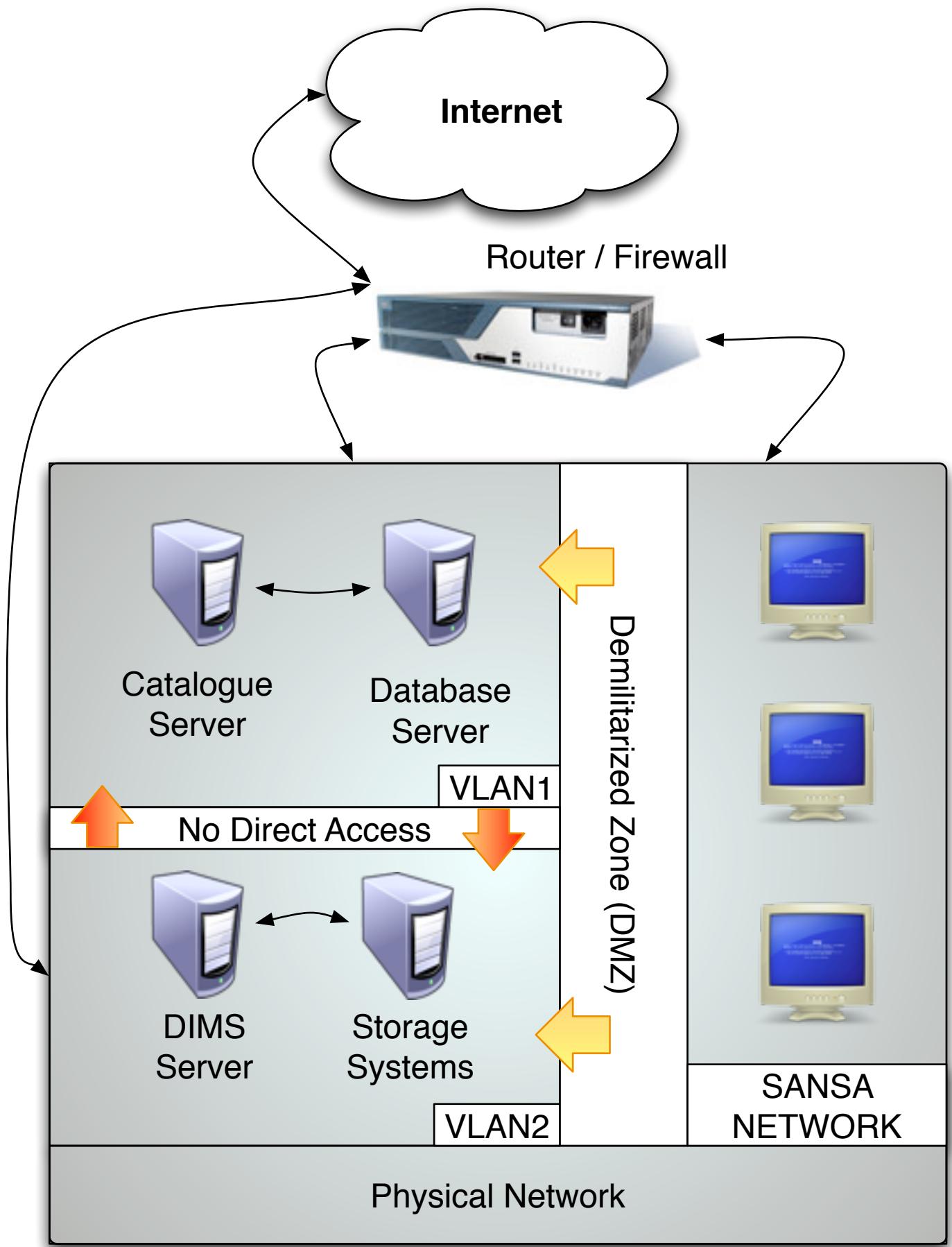
## (Post WP3000)



# GIT Topology



# Network Topology



# Filedrops

Start Here

DIMS Product Creation

'Real' or  
Metadata Only  
Product



DIMS  
Server

Package Product for Delivery

Place Product in Sync dir

Cron job runs every  
30 mins

Weekly cron job  
on DIMS

rsync pushes data to  
'incoming' dir on  
catalogue server

Files older than 1  
week flushed

data received in  
'incoming' dir

Weekly cron job



Catalogue  
Server

Cron job runs every  
30 mins

Files older than 1  
week flushed

files in incoming dir  
ingested

Stop

# OGC Ordering Workflow

