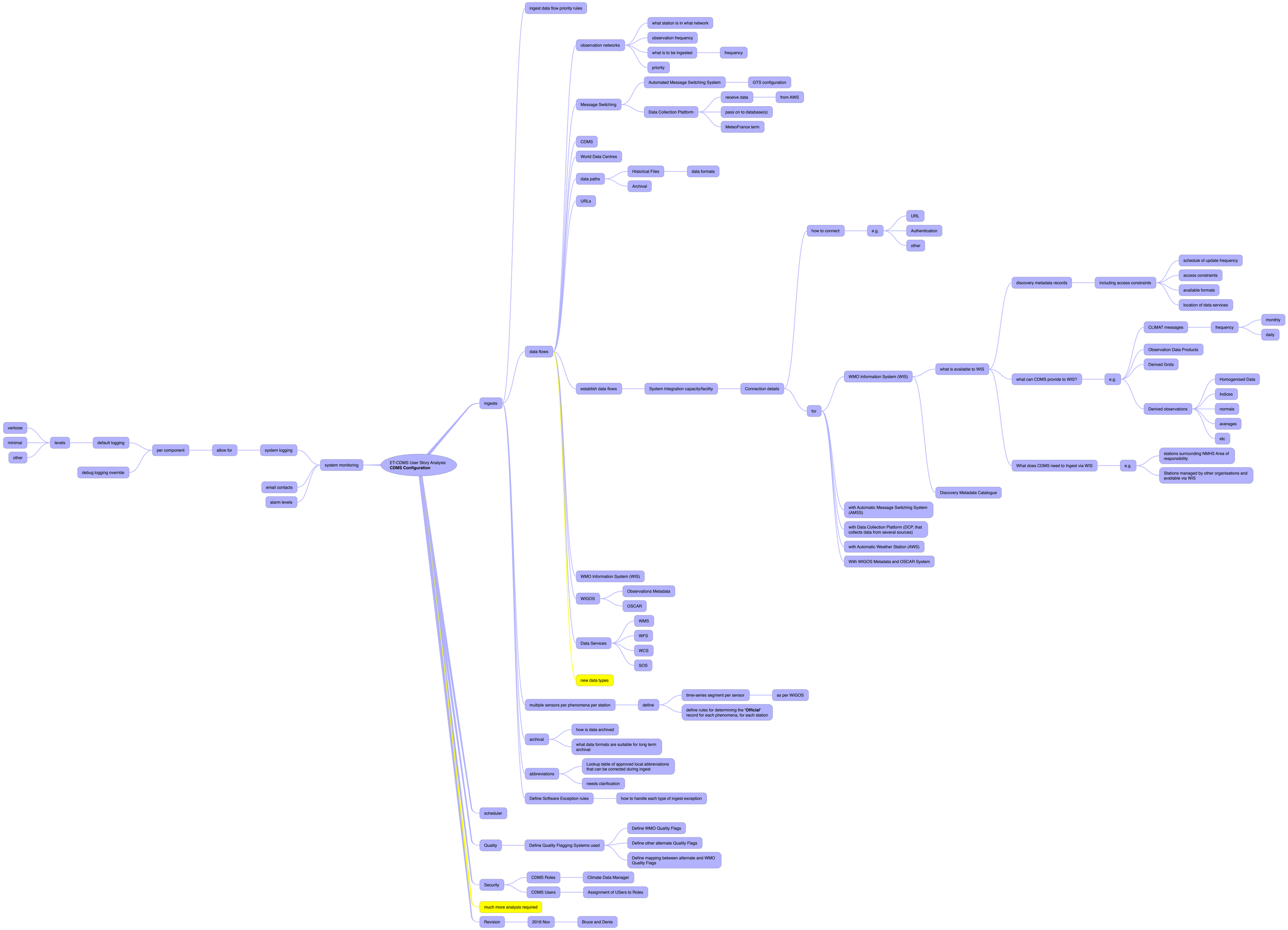
ET-CDMS User Story Analysis
CDMS Configuration
ingests
ingest data flow priority rules
data flows
observation networks
what station is in what network
observation frequency
what is to be ingested
frequency
priority
Message Switching
Automated Message Switching System
GTS configuration
Data Collection Platform
receive data
from AWS
pass on to database(s)
MeteoFrance term
CDMS
World Data Centres
data paths
Historical Files
data formats
Archival
URLs
establish data flows
System Integration capacity/facility
Connection details
how to connect
e.g.
URL
Authentication
other
for
WMO Information System (WIS)
what is available to WIS
discovery metadata records
including access constraints
schedule of update frequency
access constraints
available formats
location of data services
what can CDMS provide to WIS?
e.g.
CLIMAT messages
frequency
monthly
daily
Observation Data Products
Derived Grids
Derived observations
Homogenised Data
Indices
normals
averages
etc
What does CDMS need to Ingest via WIS
e.g.
stations surrounding NMHS Area of responsibility
Stations managed by other organisations and available via WIS
Discovery Metadata Catalogue
with Automatic Message Switching System (AMSS)
with Data Collection Platform (DCP, that collects data from several sources)
with Automatic Weather Station (AWS)
With WIGOS Metadata and OSCAR System
WMO Information System (WIS)
WIGOS
Observations Metadata
OSCAR
Data Services
WMS
WFS
WCS
SOS
new data types
multiple sensors per phenomena per station
define
time-series segment per sensor
as per WIGOS
define rules for determining the "Official" record for each phenomena, for each station
archival
how is data archived
what data formats are suitable for long term archival
abbreviations
Lookup table of approved local abbreviations that can be corrected during ingest
needs clarification
Define Software Exception rules
how to handle each type of ingest exception
scheduler
Quality
Define Quality Flagging Systems used
Define WMO Quality Flags
Define other alternate Quality Flags
Define mapping between alternate and WMO Quality Flags
Security
CDMS Roles
Climate Data Manager
CDMS Users
Assignment of USers to Roles
much more analysis required
Revision
2016 Nov
Bruce and Denis
system monitoring
system logging
email contacts
alarm levels
allow for
per component
default logging
levels
verbose
minimal
other
debug logging override