

Volume C1 from WIS metadata

use case-based approach
TT-ApMD-2 Doc 5(2) presentation
TOYODA Eizi

idea behind this work

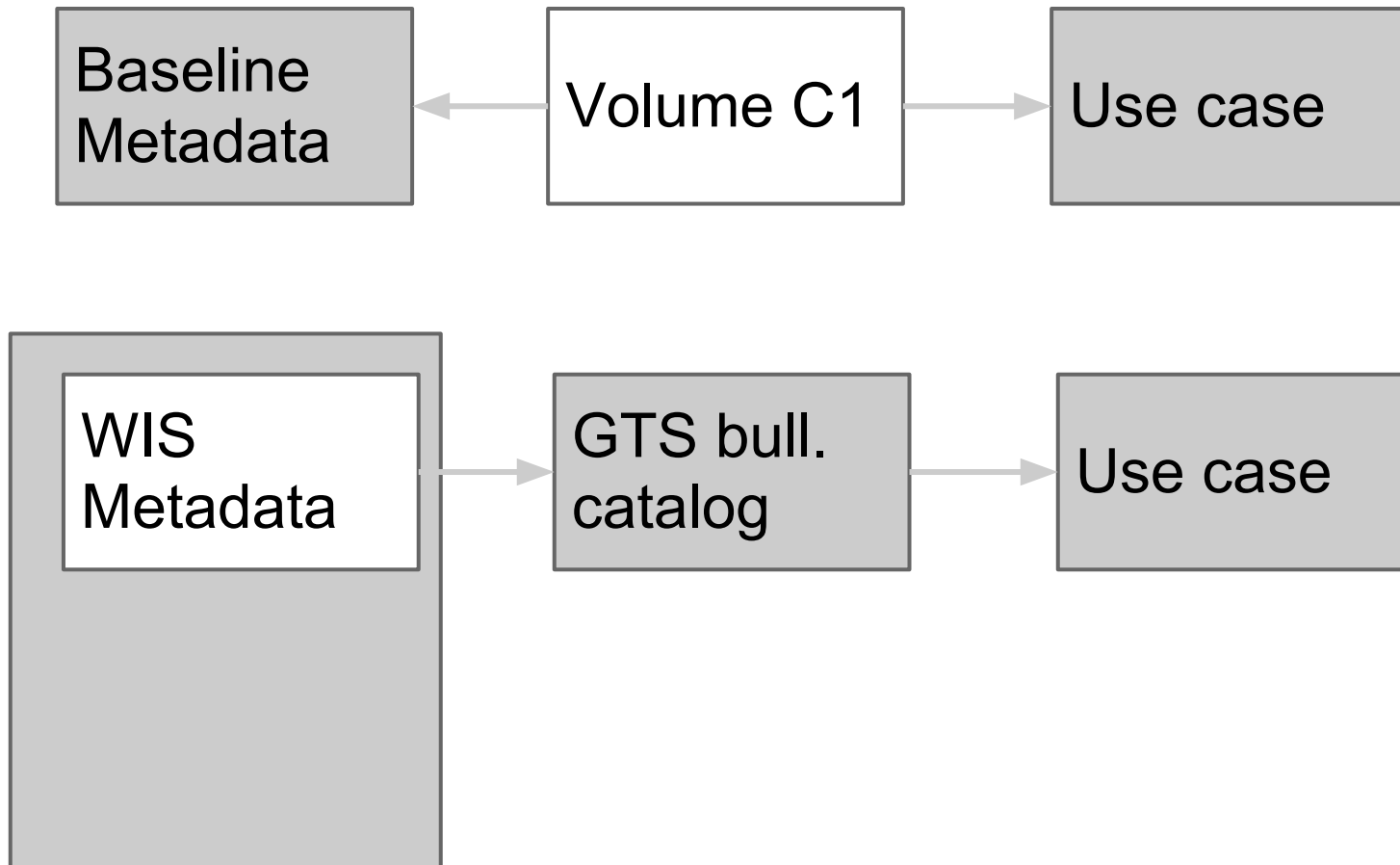
the world after migration to WIS metadata

nice if we could reproduce Volume C1

is that really necessary?

thin about use case of VolC1

idea behind this work



A use case: WWW monitoring

Counts actual reports in GTS bulletins

Compares to reports expected in Volume C1

Only automatic processing I know other than search and GISC Cache control

Required information

For each record (= TTAAii CCCC)

- list of station id's
- list of hours
- status of record
 - planned
 - ongoing
 - completed

Re stations & hours

some argues:

Volume A also gives stations and hours
why not using this in monitoring?

that's no good:

Volume A describes observation

Volume C1 describes reporting

Not all of Volume A obs reported

Can we safely extract station id's?

Fragile: Find 5-digit keywords

Think also:

Buoys may also have 5-digit id

Extended surface station id's

Make sure:

- MD_Keywords/@id =

"WMONo9VolA_StationIndex_Keywords"

similar thought for hours

We must make sure

MD_Keywords/@id = "temporal_Keywords"
is not used for purposes other than indicating
hours like "T00Z"

(should we think about more specific word?)

Why status of metadata record

1. Advance notification by "planned" metadata
2. Not nice to remove defunct records
 - reference lost
 - WIS Info Access Enabler WS (2010) #2
 - archiving DCPC don't do that

The meeting did not agree to 2. GTS metadata has to be deleted on the end of dissemination.

Good Old Advanced Notification

For all changes (new, change, delete) in report

GTS Centers are supposed to inform WMO
Secretariat

That was circulated as METNO

Proposal: status

385

- There's element "status"
 - codelist "planned" "onGoing" "obsolete"
 - easy to understand
 - but hard to manage
- Proposing to use TimePeriod instead

Proposal: planned metadata

dateStamp: **2013-06-27**

identificationInfo:

[status: **planned**]

extent:

temporalElement:

extent:

TimePeriod:

beginPosition: **2013-07-10**

endPosition: now

The meeting
approved only this
case.

future date
considered as
"planned"

Proposal: ongoing metadata

dateStamp: **2013-06-27**

identificationInfo:

[status: **onGoing**]

extent:

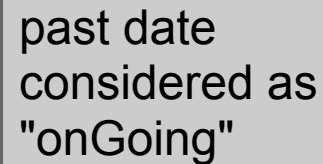
temporalElement:

extent:

TimePeriod:

beginPosition: **2013-07-10**

endPosition: now



past date
considered as
"onGoing"

Proposal: notification of termination

dateStamp: **2017-06-26**

identificationInfo:

[status: **onGoing**]

extent:

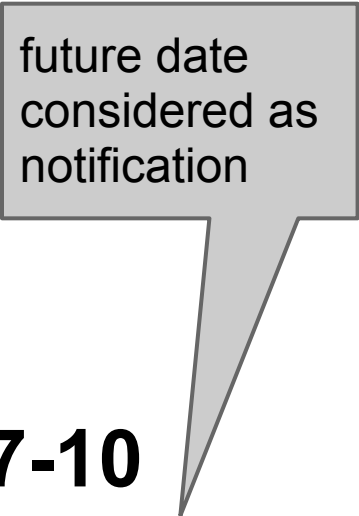
temporalElement:

extent:

TimePeriod:

beginPosition: **2013-07-10**

endPosition: **2013-07-09**



future date
considered as
notification

Proposal: defunct metadata

dateStamp: **2017-06-26**

identificationInfo:

[status: **obsolete**]

extent:

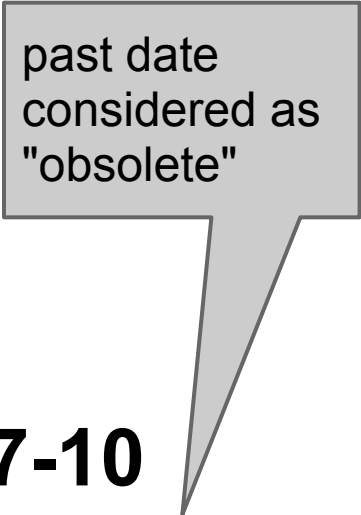
temporalElement:

extent:

TimePeriod:

beginPosition: **2013-07-10**

endPosition: **2013-07-09**



past date
considered as
"obsolete"

Using TimePeriod for status

Pro:

- creation and removal can be notified in advance
- in-advance notification is useful

Con:

- not easy to understand

Near-realtime monitoring of incoming data and WIS metadata

Real data (2013-06-17)

33483 total headings

4357 (13%) don't have WIS metadata

WIS metadata

67759 total headings

29801 (44%) really incoming