



Migration of Volume C1

to WIS Discovery Metadata,
introduction to the issue

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This talk

- Volume C1 is going away
- What is Volume C1?
- Known effects
- What to be done?



Deadline suggested by Congress

- Previous Congress told us to continue maintenance of Volume C1 until 2015
- Unless otherwise arranged, it will go away
- Is that really okay?

What is Volume C1

- Volume C1 is a part of WMO Publication No. 9 “*Weather Reporting*”
 - A is catalogue of observing stations
 - B was catalogue of charts
 - C1 is catalogue of GTS bulletins
 - C2 is catalogue of radio broadcasting
 - D is catalogue of maritime services
- It was paper long time ago
 - Volumes A and C1 are text file tables since 1990s

Roles of GTS centres

- NMC
 - Decides what bulletins are issued
 - Submit information as VolC1 rows
- RTH
 - Make sure that information is collected
 - Submit to WMO Secretariat
- WMO Secretariat
 - Publish compiled result: Volume C1

Roles of WIS centres

- NC
 - Decides what bulletins are issued
 - Submit information as metadata records
- GISC
 - Make sure metadata records are collected
 - Exchange metadata records w/other GISCs
 - Publish compiled result

Almost analogous to Volume C1

Structure: VolC1 is one table

The screenshot shows a Microsoft Excel spreadsheet with the following data:

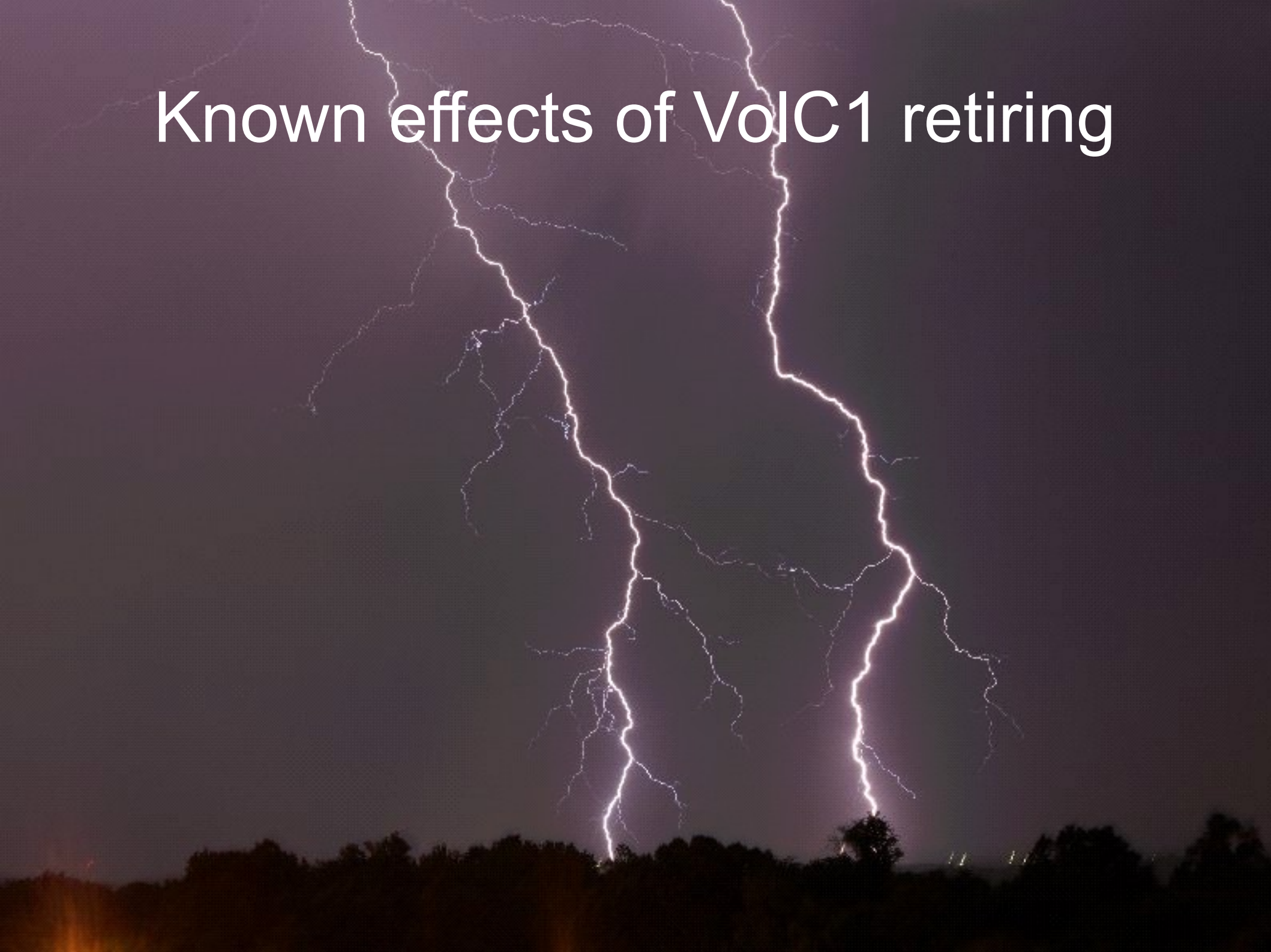
Region	RTH	Country	Centre	Date	Category	TTAAii	CCCC	CodeForm	TimeGrou	Content	Remarks
2	BANGKOK	LAO PEOP	VIENTIAN	22/07/201	E	CSLA01	VLIV	FM 71-XI	MONTHLY	48930 48938	48940 48
3	2 BANGKOK	LAO PEOP	VIENTIAN	8/8/2003	E	FPLA01	VLIV	PLAIN LAM	3		PUBLIC OF
4	2 BANGKOK	LAO PEOP	VIENTIAN	8/8/2003	E	SILA20	VLIV	FM 12-XI	03,09	48921 48924	48925 48
5	2 BANGKOK	LAO PEOP	VIENTIAN	8/8/2003	E	SILA20	VLIV	FM 12-XI	15,21	48930 48940	48947 48
6	2 BANGKOK	LAO PEOP	VIENTIAN	8/8/2003	E	SMLA01	VLIV	FM 12-XI	00,06	48921 48924	48925 48
7	2 BANGKOK	LAO PEOP	VIENTIAN	8/8/2003	E	SMLA01	VLIV	FM 12-XI	12,18	48930 48940	48947 48
8	2 BANGKOK	MYANMAI	YANGON	8/8/2003	E	FPBM01	VBRR	PLAIN LAM	3		PUBLIC OF
9	2 BANGKOK	MYANMAI	YANGON	8/8/2003	E	FPBM20	VBRR	PLAIN LAM	6		PUBLIC FO
10	2 BANGKOK	MYANMAI	YANGON	8/8/2003	E	SIBM20	VBRR	FM 12-XI	03,09	48001 48004	48008 48
11	2 BANGKOK	MYANMAI	YANGON	8/8/2003	E	SIBM20	VBRR	FM 12-XI	15,21	48097	
12	2 BANGKOK	MYANMAI	YANGON	8/8/2003	E	SMBM01	VBRR	FM 12-XI	00,06,12	48001 48004	48008 48
13	2 BANGKOK	MYANMAI	YANGON								
14	2 BANGKOK	MYANMAI	YANGON								
15	2 BANGKOK	MYANMAI	YANGON								
16	2 BANGKOK	THAILAND	BANGKOK	1/7/2008	E	CSTH01	VTBB	FM 71-XI	MONTHLY	48327 48354	48378 48
17	2 BANGKOK	THAILAND	BANGKOK	8/8/2003	E	FPTH01	VTBB	PLAIN LAM	3		PUBLIC OF
18	2 BANGKOK	THAILAND	BANGKOK	8/8/2003	E	FPTH20	VTBB	PLAIN LAM	5		PUBLIC FO

Thus it can be edited by Excel

But lists are included

- Region
- RTH
- Country
- Centre
- Date
- Category
- TTAAii
- CCCC
- CodeForm
- *TimeGroup*
 - *List of hours*
- *Content*
 - *List of stations*
- Remarks

Known effects of VoIC1 retiring



WWW Monitoring

- Compares #bulletins and Volume C1
 - Statistics: centres *really do* report
 - VolC1: centres *should* report
- For this purpose it is essential to extract lists of *hours* and *stations* from VolC1

If WIS metadata to replace VoIC1

- WWW Monitoring needs computer-extractable lists of hours and stations
- Currently different styles are used by different metadata creator
- Metadata standard was developed with data discovery in mind, but that's something we have to care also

Current WIS Discovery Metadata

- Called *baseline metadata*
- Meteo-france volunteered to create ISO 19139 XML data from Volume C1 information
- Now it's role of each NC to update
- Some GISCs actually doing
 - Now I must work for consistency of style

What to be done?



What to be done?

- WMO Metadata Standard
 - to give guidance on how hours and station ids are documented
- NCs
 - to update current baseline metadata
- GISCs
 - to make sure the update is done
 - preferably by adequate tooling

Summary

- Volume C1, WMO Publication No. 9 is catalogue of GTS bulletins
- Will be decommissioned 2015, probably
- One thing I must work is to make sure WWW Monitoring can continue