

Creation of Metadata Records

for WMO Core Metadata Profile

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Ways to Create Metadata

- 1) Type all XML tags
- 2) Web-based form
- 3) Desktop application

- Each has strength and weakness
- WIS doesn't force specific way and tells each GISC to assist centres appropriately





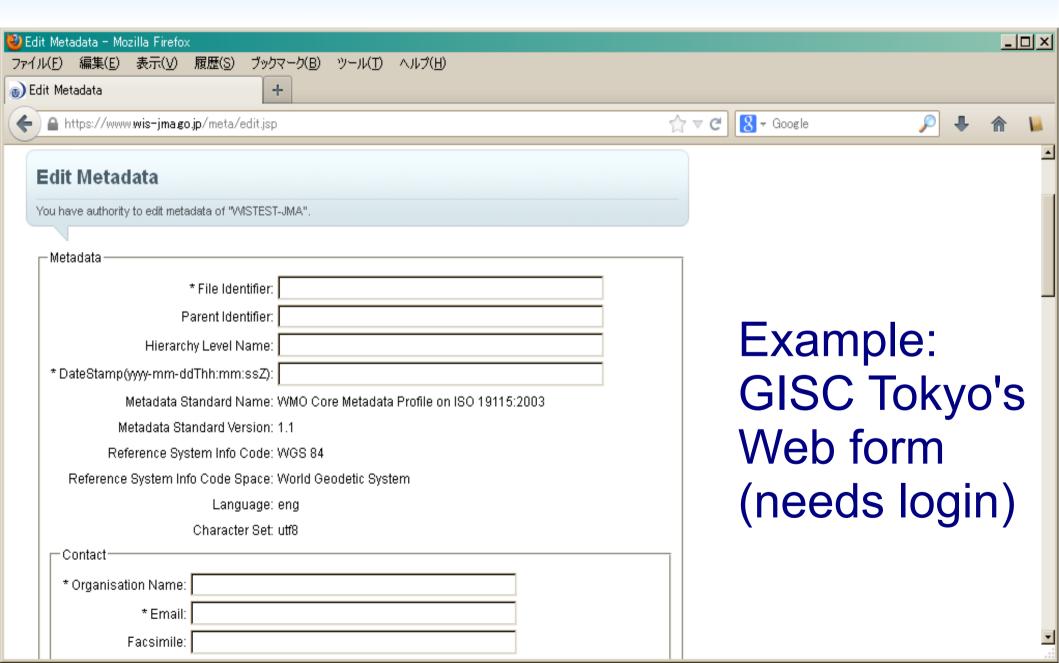
1) Type all XML tags

- I'm not joking
 - At least GISC Beijing supported (I respect that !)
- Strength
 - You can do everything
 - Future changes never break app
- Weakness
 - Learn about XML structure





2) Web-based form



2) Web-based form

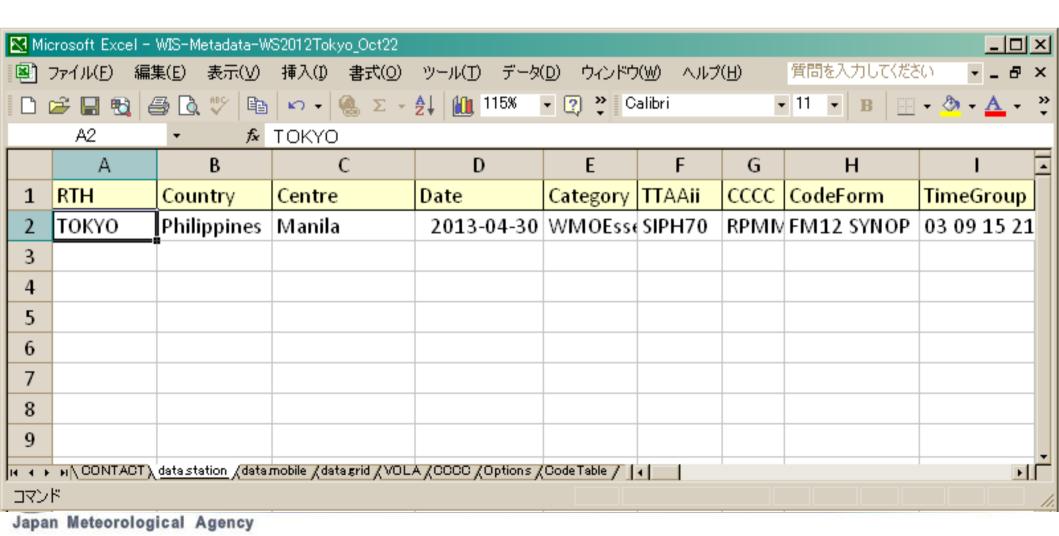
- All GISCs support it
- Strength
 - GISC can make simplified form
 - Press "submit" button, its already sent to GISC
- Weakness
 - Good internet needed
 - Simplified form cannot cover everything
 - Changes in WIS metadata standards





3) Desktop application

Example: GISC Tokyo's Excel form



3) Desktop application

- Simplified forms run on local computer
 - Result is local files
 - You can email / FTP / whatever to your GISC
- Strength
 - Don't need reliable internet
 - You have full control on files
 - Forms can be more flexible
- Weakness
 - Platform dependency

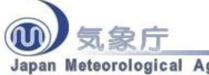




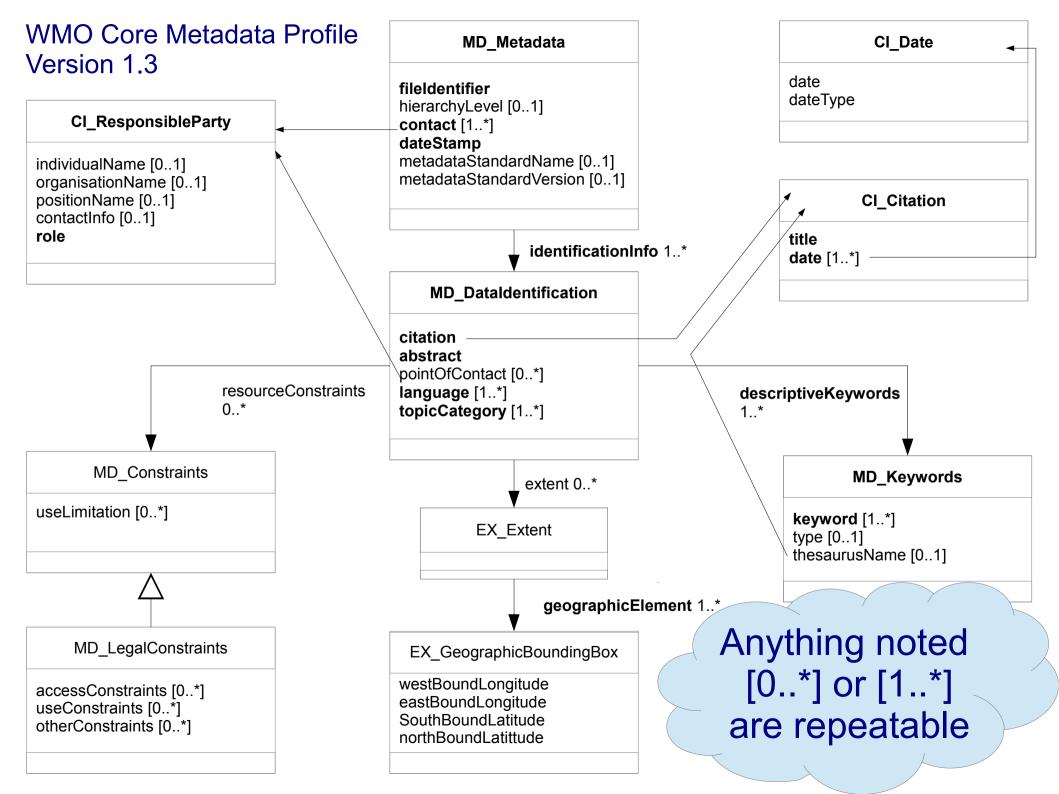


What's simplification?

- Drop rarely used parts
- Give pull-down list
 - Easier
- Repeatable parts
 - Static web form can't do that too much
 - JavaScript is needed
 - Single Excel row can't either.







Excel-based metadata generator

An instance of desktop application, part of RA-II/V WIS App Pilot Project

(1) type contact info

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1	export	Key	Role	Organization	Telephone						
2	MetadataContact	ОТВО	NC Doha	NMC QATAR - Civil Aviation Authority - Department	+974 4557190						
3	MetadataContact	RJTD	NC Tokyo	Japan Meteorological Agency							
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11	RTH	токуо	RTH Tokyo	Japan Meteorological Agency							
12	RTH	BANGKOK	RTH Bangkok	Thai Meteorological Department	+66 2 7446240						
13	RTH	MELBOURNE	RTH Melbourne	Bureau of Meteorology	+61 3 9669 4227						
_	RTH	NEW DELHI	RTH New Delhi	India Meteorological Department	011 +91 2461 60						
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(2) type bulletin info

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2	BANGKOK	CAMBODIA	PHNOM PENH	2012-03-16	Essential	SMKP01	VDPP	FM12 SYNOP	00 UTC		48991
3	BANGKOK	THAILAND	BANGKOK	2012-04-10	Essential	UETH01	VTBB	FM35 TEMP	00 12 UTC		48327
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	TOKYO	JAPAN	токуо	1999-12-31	ICAO	SAJP51	RJTD	FM15 METAR	hourly		RJNW
4											RJSK R.
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(3) type station info

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	91903	0	SOUTHERN LINE ISLANDS	MALDEN ISLAND (UNIV. OF HAWAII)		155 00S	2		-
	97385	0	TIMOR-LESTE	OE-CUSSIE	10 488	124 22E	5		
	97388	0	TIMOR-LESTE	DILLI/COMORO	9 275	126 34E	0		
2384	97389	0	TIMOR-LESTE	COMORO	9 27S	125 31E	0		
2385	97390	0	TIMOR-LESTE	DILLI/DILLI AIRPORT	9 268	125 34E	6		
2386	97394	0	TIMOR-LESTE	VIQUEQUE	9 085	126 22E	47		
2387	97395	0	TIMOR-LESTE	BAU CAU	9 30 \$	126 24E	522		
2388	91720	0	TOKELAU (AND SWAINS IS.)	ATAFU	9 285	173 298	3		
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2391	91727	0	TOKELAU (AND SWAINS IS.)	FENUAFALA/FAKAOFO	10 37S	172 44S	4		
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2393	91776	0	TONGA	KEPPEL/MATA'AHO AIRPORT	16 03S	174 14S	3		
2394	91779	0	TONGA	LUPEPAU'U	19 25S	174 02S	70		
2395	91780	0	TONGA	VAVAU	19 21S	174 01S	10		
2396	91784	0	TONGA	HAAPAI	20 128	175 398	3		
2397	91785	0	TONGA	HA'AFEVA	20 03S	175 188	0		
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(3') in case of METAR

▼ Microsoft Excel - rjtd-wismd-tool [読み取り専用]											
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1	cccc	IndexNbr	StationName	CountryArea	Latitude	Longitude	На				
5	AYMD	94014	Madang	Papua New G	6 47S	145 47E	3				
6	AYMO		Manus Island/Momote	Papua New G	3 568	147 25E	4				
7	AYPY	94035	Moresby	Papua New G	10 34S	147 13E	38				
8	AYWK	94004	Wewak	Papua New G	4 268	143 38E	6				
9	KMKK		Kaunakakai, Molokai Airport, HI	United States	21 09N	158 54S	138				
10	KQIR		Al Udeid	Qatar	25 07N	51 18E	42				
11	KQTA		ATSUGI, JAPAN NAVAL AIR	JAPAN	35 27N	139 27E	62				
12	NCRG	91843	RAROTONGA	COOK ISLAND	22 48S	160 11S	7				
13	NFFN	91680	NADI AIRPORT	FIJI	18 15S	177 27E	13				
14	NFNA	91683	NAUSORI	FIJI	19 57S	178 34E	5				
15	NFNK	91691	LAKEBA	FIJI	19 46S	179 12S	2				
16	NFNR	91650	ROTUMA	FIJI	13 30S	177 03E	26				
17	NFTF	91792	FUA'AMOTU	TONGA	22 46S	176 518	38				
18	NFTL	91784	HAAPAI	TONGA	20 12S	175 398	2				
19	NGBR	91623	BERU	KIRIBATI	2 395	176 00E	2				
20	NGFO	91631	NANUMEA	TUVALU	6 20S	176 08E	2				
21	NGFU	91643	FUNAFUTI	TUVALU	9 298	179 13E	1				
22	NGTA	91610	TARAWA	KIRIBATI	1 21N	172 55E	2				
23	NGTR	91629	ARORAE	KIRIBATI	3 20S	176 50E	4				

(4) press "export"

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Why multiple sheets?

- One GTS bulletin (TTAAii CCCC) may have
 - Up to three contact points
 - RTH
 - Originating centre
 - Metadata contact
 - Many stations of two types
 - WMO station identifier (ex. 47622)
 - ICAO location identifier (ex. RJAA)





How it works

