



SOUTH EAST ASIA METEOROLOGICAL TELECOMMUNICATION CENTER (RTH BANGKOK)

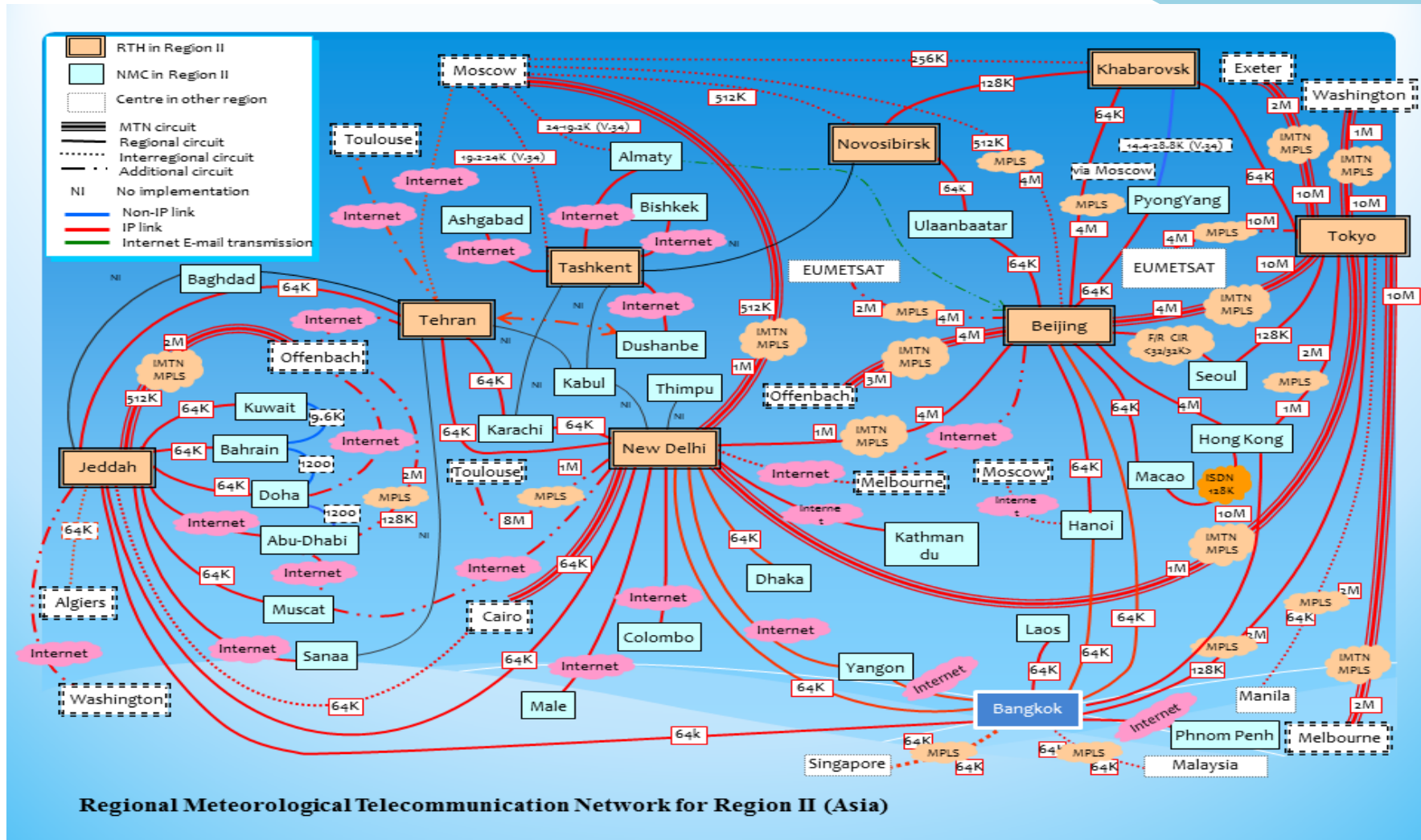
JMA WIS Workshop 2014



Introduction to DCPC Bangkok

- RTH Bangkok
- DCPC (RTH) Bangkok
 - DCPC Bangkok status
- WIS portal
 - Registration
 - Search/browse data
 - Metadata
create/insert/edit/delete
 - Subscription
 - Metadata synchronization
 - Metadata management

Regional Meteorological Telecommunication Network for Region II (Asia)





RTH (Leased line)	NC (Leased line)	NC (Internet)	NC (RA-V) (Leased line)
<ul style="list-style-type: none">● Beijing● Tokyo (MPLS-128 kbps)● Jeddah● New Delhi	<ul style="list-style-type: none">● Vientiane● Hanoi● Taipei	<ul style="list-style-type: none">● Phnom Penh● Cambodia● Yangon● Nay Pyi Daw● Hong Kong	<ul style="list-style-type: none">● Kuala Lumpur (MPLS)● Singapore (MPLS)

- Circuit bandwidth for all leased line circuits, except Tokyo, is 64 kbps
- Current internet bandwidth is 40/10 Mbps (Guaranteed)





- **Operational services**
 - Meteorological data exchanges
 - Station updates (Vol. C1)
 - Routing catalogue updates
 - The Annual Global Monitoring
 - GTS link troubleshooting & circuit updates
 - Upcoming TDCF migration and WIS program





- Submitted Letter of Commitment by PR
- Provided preliminary information to <http://www-db.wmo.int/WIS/centres/candidates.asp>
 - Submitted test cases
- Requested TT-CAC to review the demonstration
- Wait for the results (Under review by ET-GDDP)
- TT-CAC assigned a coordinator for DCPC Bangkok
- The coordinator asked GISC Tokyo to do the test cases
- The TT-CAC will certify based on results
- The president will endorse Bangkok as DCPC
- WMO Congress (Cg) or Executive Council (EC) will approve



WIS Portal: www.wis-bangkok.tmd.go.th
or <http://203.155.200.105:8080/MessirWIS>



RTM Bangkok - DCPC WIS ... x +

www.wis-bangkok.tmd.go.th:8080/MessirWIS/srv/en/main.home

Thai Meteorological Department

RTM Bangkok - DCPC WIS Portal

MESSIR-WIS[®] by COROBOR systems

Search Data | Register | Help | GISCs | WIS | Metadata | Use of Data | SRU Search | Contact

Username Password Login

Simple search | Advanced | Product | GTS data

Keywords

Region

Category

Search Results

Welcome to TMD!
Please use one of the left Search panels to search and browse the metadata catalogue.



User Registration



Firefox

DCPC Thailand WIS Web Portal

203.155.200.105:8080/MessirWIS/srv/en/user.register.get

Google

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DCPC Thailand WIS Web Portal

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Search Data | **Register** | Help | GISCs | WIS | Metadata

Username Password Login

Self-Registration Form

Username (*)	<input type="text"/>
First Name (*)	<input type="text"/>
Last Name (*)	<input type="text"/>
Organisation / department	<input type="text"/>
Kind	Private company ▼
Email (*)	<input type="text"/>
Password (*)	<input type="password"/>
Confirm password (*)	<input type="password"/>
<u>Transmission mode #1 (*)</u>	
Name	<input type="text"/>
Protocol	Email ▼
Address	<input type="text"/> Email or FTP address (e.g. ftp://login:password@server/folder)
Format	Individual files ▼
<u>Transmission mode #2</u>	
Name	<input type="text"/>
Protocol	Email ▼
Address	<input type="text"/> Email or FTP address (e.g. ftp://login:password@server/folder)
Format	Individual files ▼



Search / Browse data



Firefox

DCPC Thailand WIS Web Portal

203.155.200.105:8080/MessirWIS/srv/en/main.home#

Google

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Search Data | Administration | Subscriptions | Help | GISCs | WIS | Metadata

User: tmd tmd Logout

Simple search | Advanced | Product | GTS data

Keywords: smth*

Region: - Any -

Category: - Any -

Search

Reset Options

Search Results

Aggregated results matching search criteria : 1-8/8 (Page 1/1), 0 selected

Select : [all](#), [none](#) [+ Actions on selection](#)

Sort by [Relevance](#)

1

☐ SMTH02 VTBB GTS-BULLETIN: SURFACE DATA PROVIDED BY TMD

UUID: urn:x-wmo:md:int.wmo.wis::SMTH02VTBB

Category: DCPC-BANGKOK

Abstract: Surface data, main synoptic hour, FM 12 (SYNOP)

Keywords: duration, radiation, solar, soil, cast, cloud, weather, precipitation, wind, humidity, temperature, pressure, surface, SYNOP, meteorology, meteorological, mainSYNOPthailand, SMTH, 48303, Chiang Rai, 48328, Lampang, 48330, Phrae, 48351, Uttaradit, 48354, Udon Thani, 48376, Tak, 48377, Khunan Phumipol, 48379, Phetchabun, 48400, Nakhon Sawan, 48432, Surin, 48455, Bangkok, 48462, Aranyaprathet, 48475, Hua Hin, 48477, Sattahip, 48517, Chumphon, 48532, Ranong, 48567, Trang, Meteorological geographical features

Restrictions: WMOEssential, otherRestrictions

[+ Metadata](#) [Download](#) [Subscribe](#) [Create](#) [Edit](#) [Delete](#) [+ Other actions](#)

Owner: tmd



Download data (pull) / DCPC Cache



Firefox ▾

SMTH02 VTBB +

203.155.200.105:8080/dal/wisdata?id=urn:x-wmo:n

PRODUCT SMTH02 VTBB FOR THE LAST

Select a time (UTC):
[Latest](#) [06:00 Mon 26](#) [00:00 Mon 2](#)
[12:00 Sun 25](#)
Right-click a link and select "Save as" to

Firefox ▾

http://203.155.200...H02VTBB&time=0600 +

203.155.200.105:8080/dal/wisdata?id=urn:x-wmo:md:int.wmo.wis::SMTH02VTBB&time

SMTH02 VTBB 260600
AAXX 26064
48303 32565 61403 10300 20227 39619 40048 57013 85846
333 58028 70201=
48328 32560 80000 10314 20231 39787 40058 57013 83576
333 58024 70002=
48330 01465 72001 10305 20243 39884 40066 57010 69901 72122 82276
333 58027 69905 70003=
48351 32562 70000 10310 20230 39996 40068 57009 86836
333 58022=
48354 32565 82003 10314 20243 39859 40058 57011 84876
333 58020=
48376 31557 62202 10302 20255 39929 40072 57011 71022 84576
333 58020 70043=
48377 NIL=
48379 32562 60000 10312 20245 39921 40051 57015 82836
333 58029 70137=
48400 32562 73202 10332 20236 30025 40065 57012 85836
333 58019=
48432 32561 72305 10321 20230 39895 40059 57019 83246
333 58010=
48455 32560 62104 10317 20243 30068 40073 57015 82246
333 58013 70065=
.....



Subscription (push)



Firefox

DCPC Thailand WIS Web Portal

203.155.200.105:8080/MessirWIS/srv/en/main.home#

Google

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Search Data | Administration | Subscriptions | Help | GISCs | WIS | Metadata

User: tmd tmd Logout

Simple search | Advanced | Product | GTS data

Keywords: smth*

Region: - Any -

Category: - Any -

Search Results

Aggregated results matching search criteria : 1-8/8 (Page 1/1), 0 selected

Select : [all](#), [none](#) [Actions on selection](#)

Sort by: Relevance

1

SURFACE

is::SMTH02VTBB

ic hour, FM 12 (SYNOP)

soil, cast, cloud, weather, precipitation, wind, pressure, surface, SYNOP, meteorology, meteorological, H, 48303, Chiang Rai, 48328, Lampang, 48330, Phrae, 48379, Phetchabun, 48400, Nakhon Sawan, 48432, Surin, 48455, Bangkok, 48462, Aranyaprathet, 48475, Hua Hin, 48477, Sattahip, 48517, Chumphon, 48532, Ranong, 48567, Trang, Meteorological geographical features

Restrictions: WMOEssential. otherRestrictions

Single Subscription: check/uncheck transmission mode to subscribe/unsubscribe; uncheck all to remove the subscription.

Transmission mode #1: petsuwan

☒ Protocol: email
Address: wpetsuwan@hotmail.com
Format: individual

Transmission mode #2: ftpserver

☒ Protocol: ftp
Address: ftp://wpetsuwan:qwert@ftpserver.tmd.go.th/var/ftp/pub/RadioFaxMaps/TestFTP
Format: individual

OK Cancel

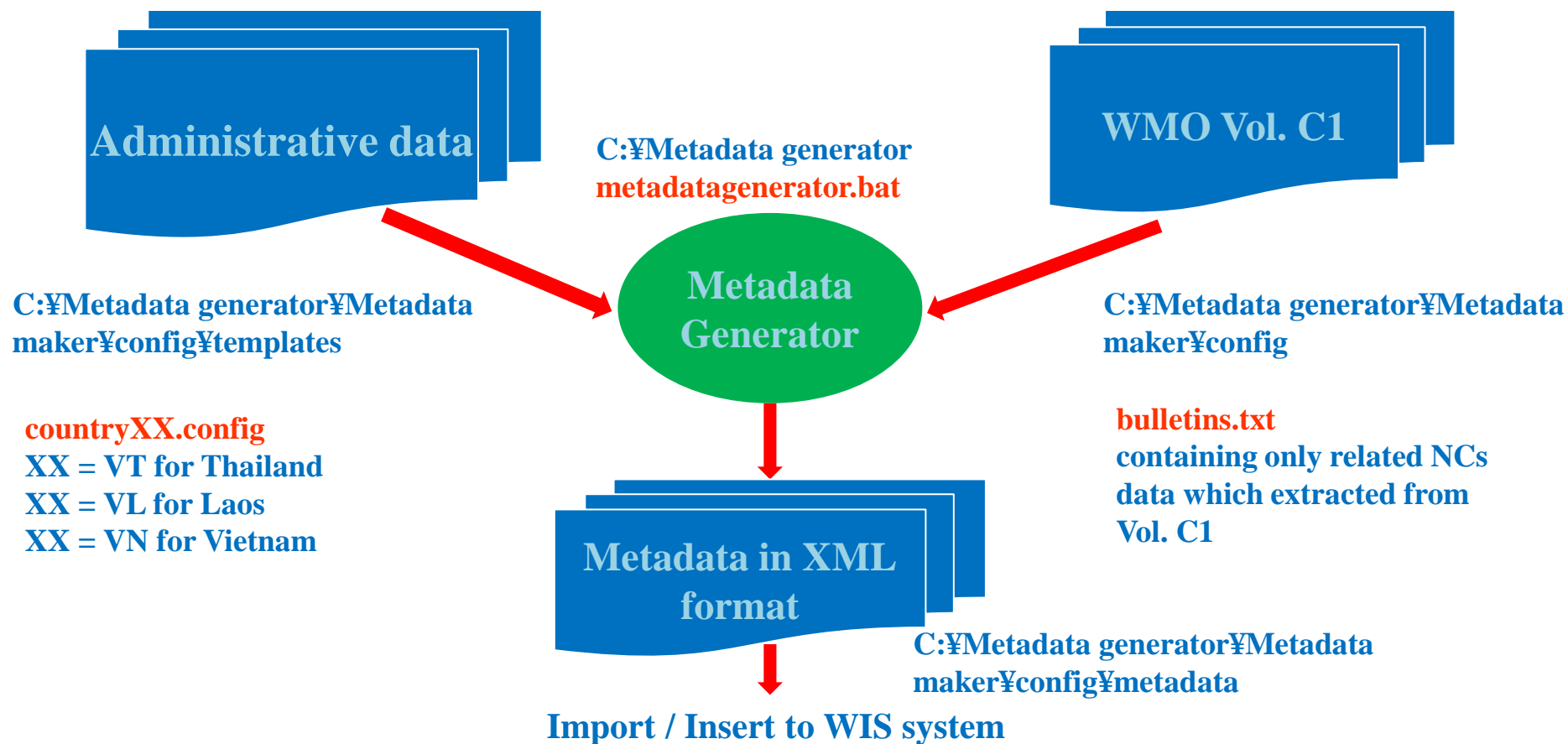




- **Metadata creation**
 - **Reserved for DCPC administrator only**
 - **Vol C1 – by using metadata generator**
 - Administrative data
 - Corresponding Vol. C1
 - Insert to system by using either batch file or one by one
 - **Not in Vol. C1 – by using template from WIS portal**
 - **Authorized users may insert/edit/delete their metadata**



Metadata Generator (Vol. C1 related)



Metadata creation by using template (Non Vol. C1)



- Under > Administration > New matadata

Firefox

DCPC Thailand WIS Web Portal

203.155.200.105:8080/MessirWIS/srv/en/metadata.create.form

Google

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S y s t e m s

Search Data | Administration | Subscriptions | Help | GISCs | WIS | Metadata

User: tmd tmd Logout

Metadata creation

Template: product template ftp link restricted data

Group: TMD

Back Create



Metadata creation by using template (not in Vol. C1)



Firefox ▾

DCPC Thailand WIS Web Portal +

203.155.200.105:8080/MessirWIS/srv/en/metadata.create ☆ ▾ ↻ Google 🔍 ⬇ ⌂ ★ ▾

Default view

- By Package
- Metadata
- Identification
- Maintenance
- Constraints
- Spat. Info
- Ref. system
- Distribution
- Data quality
- App. schema
- Catalog
- Content Info
- Ext. Info

Reset Save Save and close Check ⛶ Other actions Cancel

Parent/child metadata:

⛶ [Add or update parent metadata section](#)

Related service metadata:

⛶ [Link service metadata](#)

Related feature catalogues:

⛶ [Link feature catalogue](#)

Identification info

Title * product template ftp link restricted data

Date * 2010-12-06 Clear

Date type * Publication ▾

Identifier fileIdentifier

Code * urn:x-wmo:md:int.wmo.wis::PRTH01VTBB

Presentation form ⛶ ☒ Digital document ▾

Abstract * product template ftp link restricted data



Insert metadata from xml files



- Under > Administration > Metadata insert

Firefox

DCPC Thailand WIS Web Portal

203.155.200.105:8080/MessirWIS/srv/en/metadata.xmlinsert.form

Google

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User: tmd tmd Logout

Import metadata record in XML or MEF format

Insert mode: ☒ File Upload ☐ Copy/Paste

File type: ☒ Single File (XML, SLD, WMC...) ☐ MEF file

Metadata No file selected.

Type

Import actions: ☒ No action on import
☐ Overwrite metadata with same UUID
☐ Generate UUID for inserted metadata

StyleSheet

Validate ☐

Group



Import set of metadata by using batch import




• Under > Administration > Batch Import

Firefox ▾

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203.155.200.105:8080/MessirWIS/srv/en/metadata.batchimport.form ☆ ▾ ↻ Google 🔍 ⬇ ⬆ ⬇

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DCPC Thailand WIS Web Portal MESSIR-WIS® by **COROBOR** Syatenea

Search Data | Administration | Subscriptions | Help | GISCs | WIS | Metadata User: tmd tmd Logout

Import all XML formatted metadata from a local directory

Directory

File type: Single File (XML, SLD, WMC...) ☒ MEF file ☐

Import actions: ☒ No action on import
☐ Overwrite metadata with same UUID
☐ Generate UUID for inserted metadata

StyleSheet ▾

Validate ☐

Group ▾



Metadata Edit and Delete



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RTH Bangkok - DCPC WIS Portal

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Search Data | Administration | Subscriptions | Help | GISCs | WIS | Metadata | Use of Data | SRU Search | Contact

User: tmd tmd Logout

Simple search | Advanced | Product | GTS data

Keywords: smth02

Region: - Any -

Category: - Any -

World map

Search Results

☐ SMTH02 VTBB GTS-BULLETIN: SURFACE DATA PROVIDED BY TMD

UUID: urn:x-wmo:md:int.wmo.wis::SMTH02VTBB

Category: DCPC-BANGKOK

Catalog: TMD

Abstract: Surface data, main synoptic hour, FM 12 (SYNOP)

Keywords: duration, radiation, solar, soil, cast, cloud, weather, precipitation, wind, humidity, temperature, pressure, surface, SYNOP, meteorology, meteorological, 1mainSYNOP, 48351, Uttaradit, 48303, Chiang Rai, 48328, Lampang, 48330, Phrae, 48354, Udon Thani, 48377, Khunan Phumipol, 48379, Phetchabun, 48400, Nakhon Sawan, 48432, Surin, 48455, Bangkok, 48462, Aranyaprathet, 48475, Hua Hin, 48477, Sattahip, 48517, Chumphon, 48532, Ranong, 48567, Trang, 48376, Tak, Meteorological geographical features

Restrictions: WMOEssential, otherRestrictions

Owner: albert



Metadata Edit



RTH Bangkok - DCPC WIS ... x

203.155.200.105:8080/MessirWIS/srv/en/metadata.edit?id=18725

Google

Reset Save Save and close Check Other actions Cancel

Default view

- By Package
- Metadata
- Identification
- Maintenance
- Constraints
- Spat. Info
- Ref. system
- Distribution
- Data quality
- App. schema
- Catalog
- Content Info
- Ext. Info

Parent/child metadata:

- [Add or update parent metadata section](#)

Related service metadata:

- [Link service metadata](#)

Related feature catalogues:

- [Link feature catalogue](#)

Identification info

Title * SMTH02 VTBB GTS-bulletin: surface data provided by

Date * 2010-12-06 Clear

Date type * Publication

Identifier fileIdentifier

Code * urn:x-wmo:md:int.wmo.wis::SMTH02VTBB

Presentation form Digital document

Abstract * Surface data, main synoptic hour, FM 12 (SYNOP)



Metadata Delete



RTH Bangkok - DCPC WIS ... x +

203.155.200.105:8080/MessirWIS/srv/en/metadata.searchunused

Google

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User: tmd tmd Logout

Aggregated results matching search criteria : 1-10/39 (Page 1/4)

FEATURE CATALOGUE TEMPLATE

UUID: 2d73416c-5690-46a0-9e9e

Category: featureCatalogue

Catalog: TMD

Abstract: Scope

Restrictions: No

Metadata

Create Edit Delete Other actions

Owner:

Are you sure you want to delete the metadata from the database? (Feature catalogue template in ISO19110)

OK Cancel

FEATURE CATALOGUE TEMPLATE IN ISO19110

UUID: 058caaf2-7129-41b0-b69e-46c8badc327f

Category: featureCatalogue

Catalog: TMD

Abstract: Scope





- **Harvesting from DCPC Bangkok**

- OAI set = DCPC-Bangkok (TBD)
- Metadata prefix = iso19139
- URL:

<http://203.155.200.105:8080.MessirWIS/srv/en/oaipmh>

- **Harvesting from GISC Tokyo**

- OAI set = WIS-GISC-TOKYO (TBD)
- Metadata prefix = iso19139
- URL: <http://www.wis-jma.go.jp/meta/oaiprovder.jsp>



Metadata synchronization



- Under > Administration > New matadata

Firefox

DCPC Thailand WIS Web Portal

203.155.200.105:8080/MessirWIS/srv/en/harvesting

Google

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systems

Search Data | Administration | Subscriptions | Help | GISCs | WIS | Metadata

User: tmd tmd Logout

Harvesting management

Select	Name	Type	Status	Errors	Every	Last run	Operation
<input type="checkbox"/>	GISC Tokyo VLIV	OAIPMH			0:0:2	2013-04-02 03:47:48	Edit
<input type="checkbox"/>	GISC Tokyo VDPP	OAIPMH			0:0:1	2013-04-02 03:19:20	Edit
<input type="checkbox"/>	GISC Tokyo DCPC TEST	OAIPMH			0:0:2	2013-04-02 04:14:56	Edit
<input type="checkbox"/>	GISC Tokyo VNNN	OAIPMH			0:0:2	2013-04-02 03:19:25	Edit
<input type="checkbox"/>	GISC Tokyo VBRR	OAIPMH			0:0:2	2013-04-02 03:19:27	Edit
<input type="checkbox"/>	WIS-GISC-OFFENBACH	OAIPMH			0:1:30	2013-08-24 15:36:38	Edit
<input type="checkbox"/>	WIS-GISC-NEW-DELHI	OAIPMH			0:1:30	2013-08-24 13:48:50	Edit
<input type="checkbox"/>	WIS-GISC-TOKYO	OAIPMH			1:1:30		Edit

Activate Deactivate Run Remove

Back Add Refresh



Metadata synchronization



Firefox | DCPC Thailand WIS Web Portal | 203.155.200.105:8080/MessirWIS/srv/en/harvesting | Google


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Harvesting management

Site

Name:

URL:

Icon: 

Use account: ☒

Username:

Password:

Search criteria

Options

Every: : : (days : hours : minutes)

One run only: ☐

Validate: ☐

Privileges

Groups:
TMD
All
aviation
Intranet
meteorology
registered

Group View Interactive map Featured

Categories

BANGKOK-CLIM
DCPC-BANGKOK
DCPC-TEST





- **Uniform management between Volume C1 and WIS metadata**
 - **Bangkok is responsible for Volume C1 in the area of responsibility**
 - **Bangkok and Tokyo agreed that the Volume C1 related WIS metadata should be migrated to Bangkok for efficiency and harmonization between Volume C1 and WIS metadata**
 - **If all NCs in the area agree to the metadata migration plan officially, DCPC (RTH) Bangkok will manage RTH related catalogues from NC Bangkok, NC Hanoi, NC Nay Pyi Taw, NC Phnom Penh and NC Vientiane**



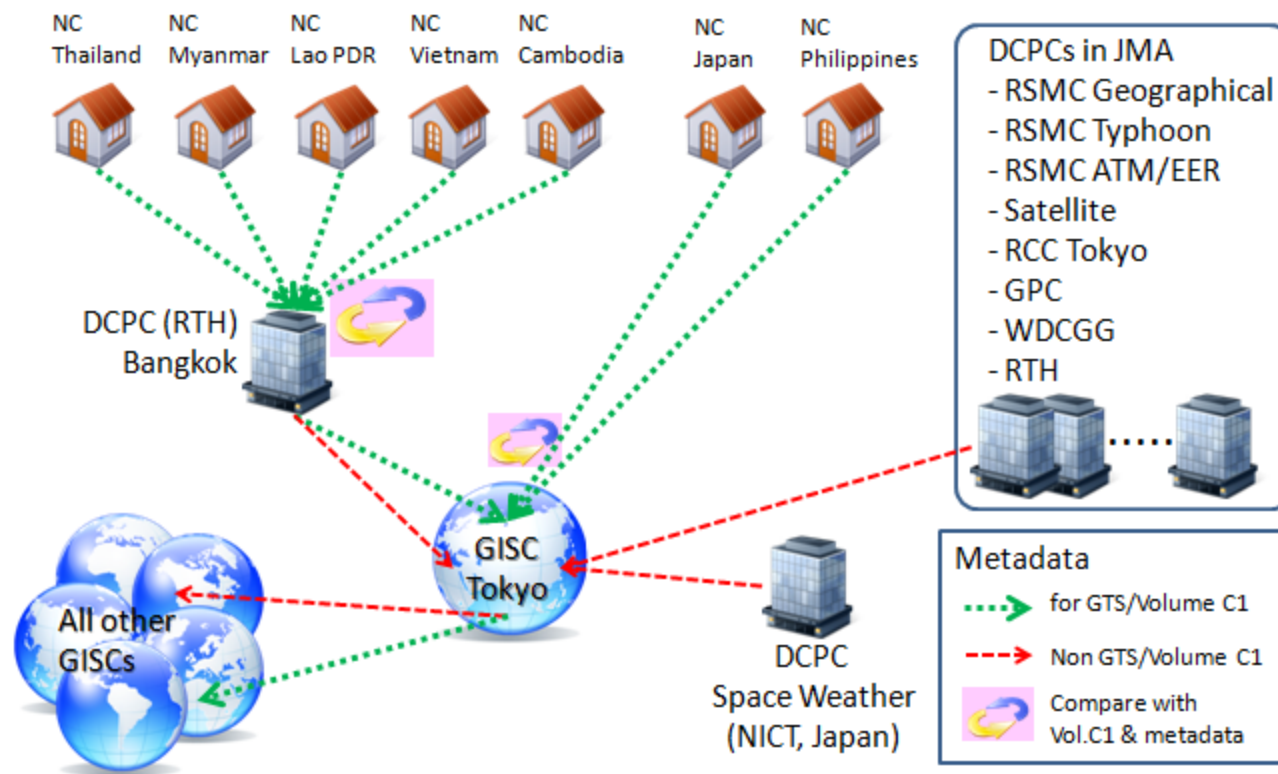


- **The existing or upcoming DCPCs manage their own Non Volume C1 metadata**
 - **Bangkok is responsible for Non Volume C1 for its own products or data**
 - **Upcoming or future DCPCs, such as Hanoi or other, will manage their own Non Volume C1 metadata**
 - **Special arrangement must be made with GISC Tokyo for additional support of Non Volume C1 metadata management**





Metadata management (Metadata Flow)





Thank you for your attention



gtsbkk@metnet.tmd.go.th

