Using WIS to support WIGOS

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WIS Branch

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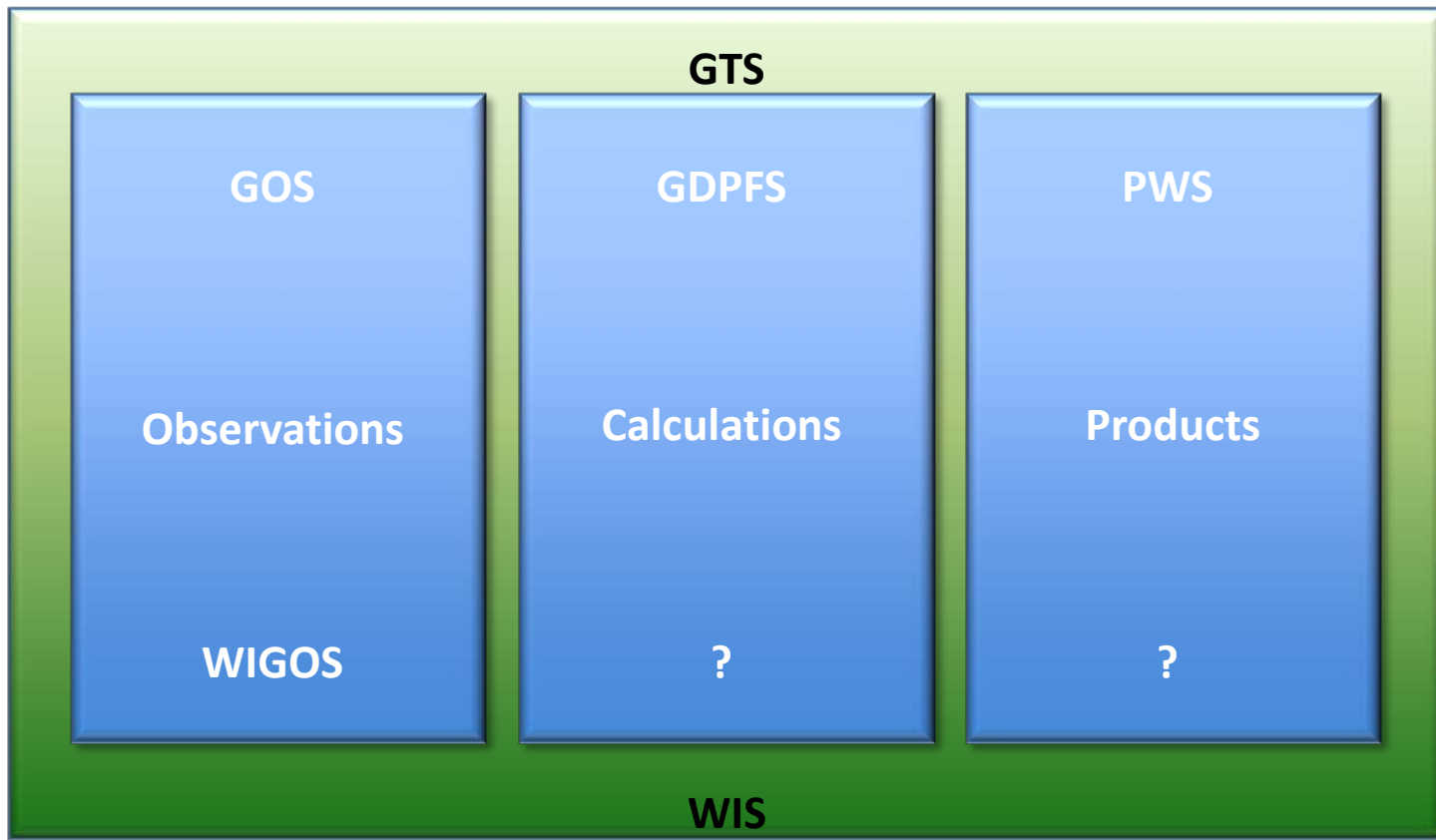
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Contents

- WIGOS, GDPFS and WIS

- Getting information "out of WIS"

- Putting information "into WIS"

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WIGOS, GDPFS and WIS

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GTS		
GOS	**GDPFS**	**PWS**
Observations	**Calculations**	**Products**
WIGOS	**?**	**?**
WIS		

Global Observing System (GOS) ⟶ WMO Global Observing System

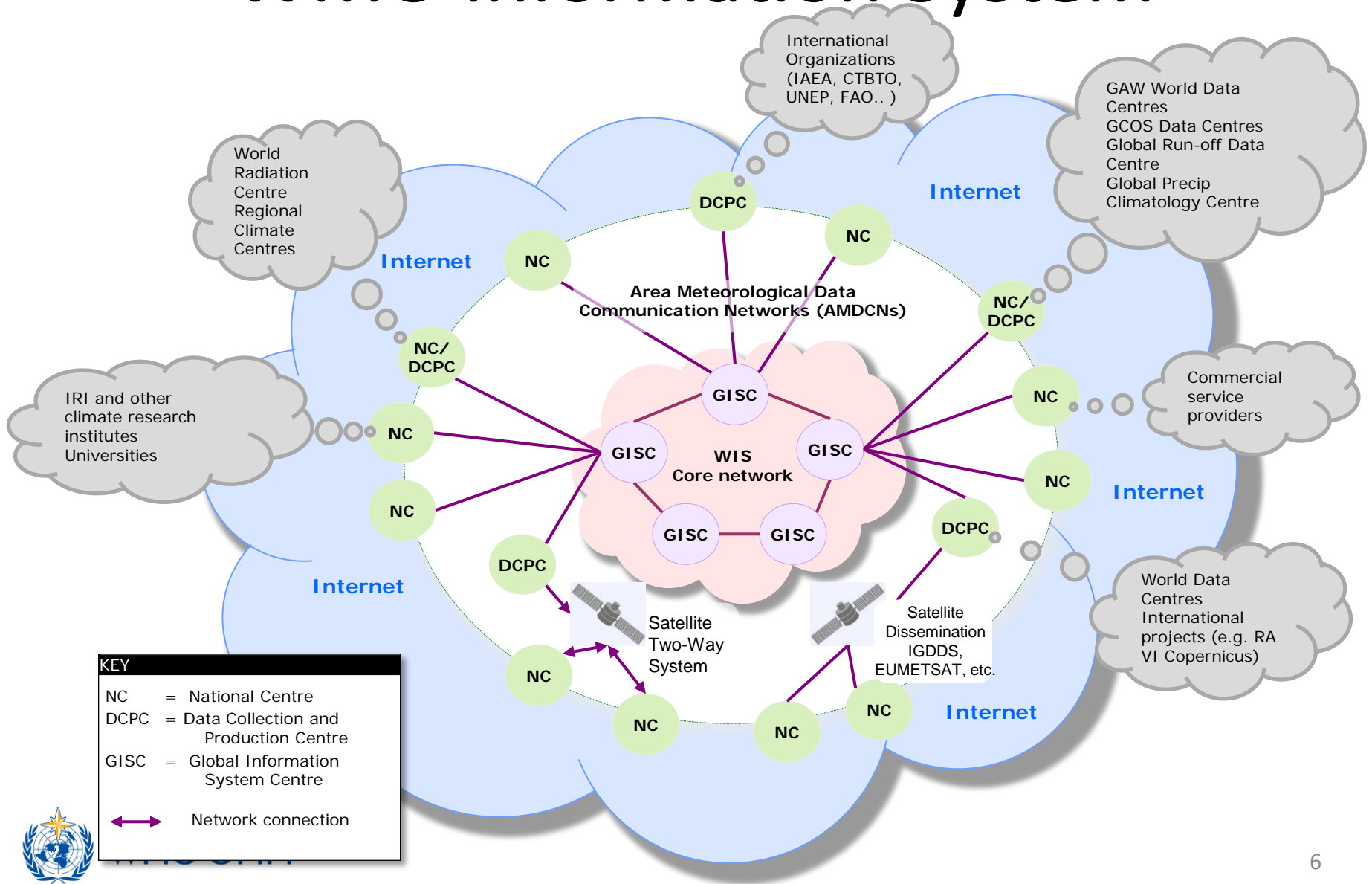Global Telecommunications System (GTS) ⟶ WMO Information System

Global Data Processing and Forecasting System (GDPFS) ⟶ ?

Public Weather Services (PWS) ⟶ ?

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WIS aims to…

- **Increase** data visibility
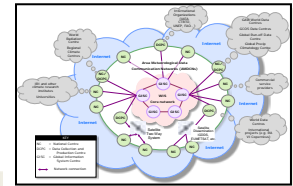- **Broaden** data access
- **Simplify** data use

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WMO Information System

WIS structure

National Centre:
- Contributes information to WIS
- Distributes WIS information to national users

Data Collection or Production Centre:
- Collects, prepares or analyses information, *or*
- Manages sub-regional exchange of information

Global Information System Centre:
- Holds catalogue of all information available through WIS
- Manages global exchange of information

National Centre

Data Collection or Production Centre

Global Information System Centre

International Organizations

NC/ DCPC

Commercial

KEY

NC = National Centre

NC

System

IODDS, EUMETSAT, etc.

VI Copernicus)

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Getting information "out of WIS"

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Find information
… and request it

Look at metadata

Links to web sites

Download metadata

Regular delivery

One-off

Delivery methods

Login needed for "additional" data

Login needed

Method	Request	Subscribe
Download	✔	✘
Email	✔	✔
FTP	✔	✔
GTS	Not Usually	By arrangement
Post	Perhaps	Perhaps

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GISC interfaces

Putting information "into WIS"

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Discovery, Access, Retrieval

GISC

User
- Searches catalogue at GISC
- Asks GISC/DCPC for product

DCPC

DCPC
Passes WIS metadata to GISC

DCPC
Passes product to user

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Metadata records

Discovery, Access, Retrieval

User
- Searches catalogue at GISC
- Asks GISC/DCPC for product ②
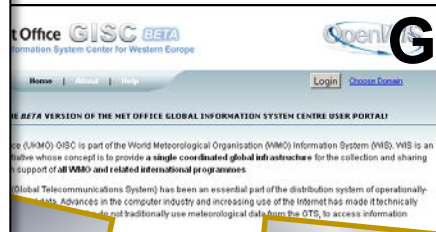
GISC

DCPC ①

DCPC
Passes WIS metadata to GISC

DCPC
Passes product to user ③

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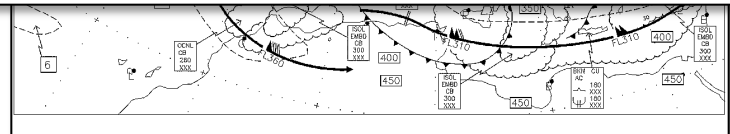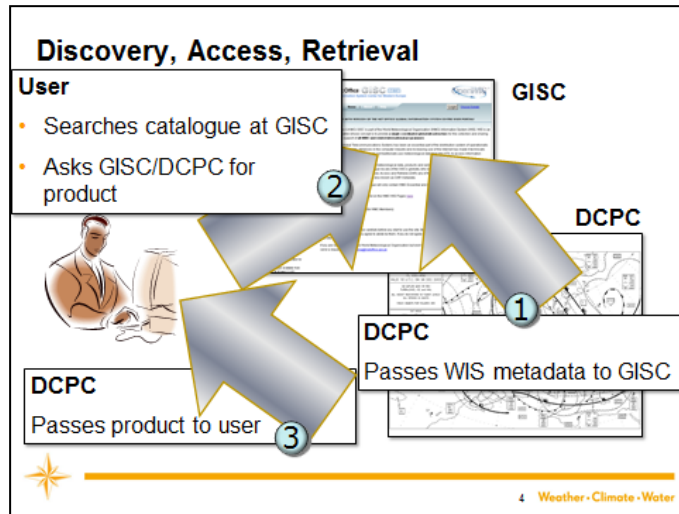
To do this…

… we need to know about the data sets
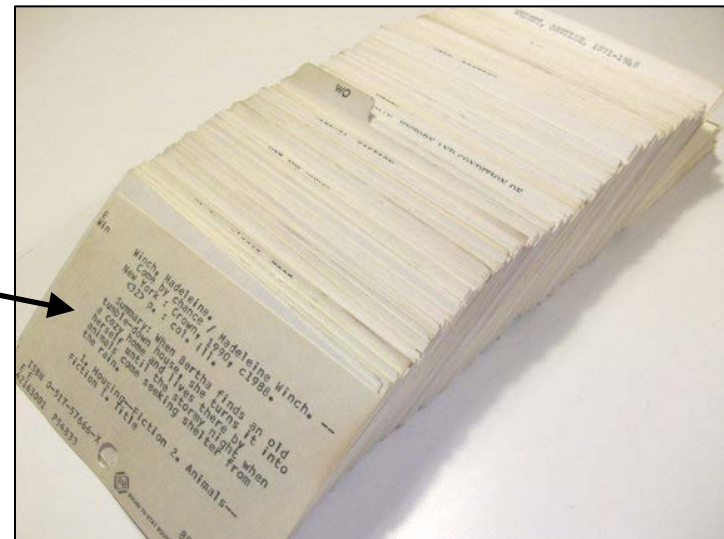
WIS Discovery Metadata

WIS and WIGOS metadata

WIS

- What information is available?

- How can I get it?

- What format is it in?

- Who owns it?

- Who is allowed access?

- *Which observing sites included*

WIGOS

- What observation sites are there?

- Where are they?

- How do they make observations?

- What is the environment like around them?

- Who is responsible for them?

- *Where can I find actual observations*

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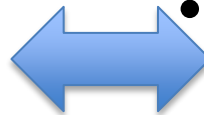
Reference information

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Useful references

Resource	Location
WIS Manual (WMO-No 1060)	https://wis.wmo.int/WIS-Manual
Guide to WIS (WMO-No 1061)	https://wis.wmo.int/WIS-Guide
List of GISCs (links to their catalogues)	https://wis.wmo.int/GISCS
Manual on GTS (WMO-No 386)	https://wis.wmo.int/GTS-Manual
Manual on Codes (WMO-Mo 306) Traditional Alphanumeric Codes Table Driven Code Forms Codes derived from data models	 https://wis.wmo.int/ManCodes1 https://wis.wmo.int/ManCodes2 https://wis.wmo.int/ManCodes3

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Summary

WIGOS, GDPFS and WIS

Getting information "out of WIS"

Putting information "into WIS"

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Thank you
Merci
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