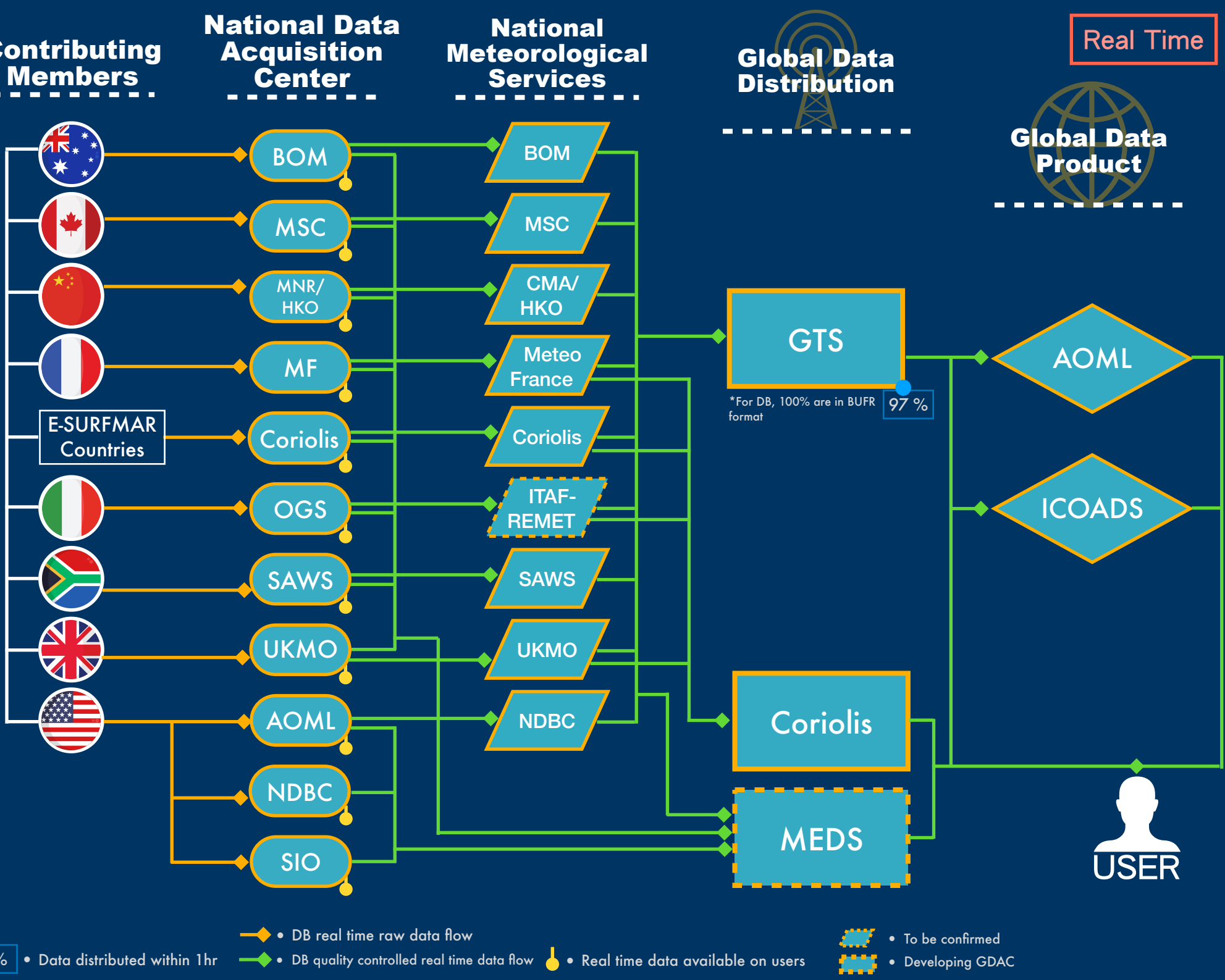
DBCP

Drifting Buoy (DB)



Variables:

SST, Sea level atmospheric pressure, Wind vector, Salinity, Waves, Air temperature, Relative Humidity

DBCP

Drifting Buoy (DB)

Delayed Mode

Contributing Members

National Data Acquisition Center

Global Data Distribution

E-SURFMAR Countries

BOM
MSC
MNR/ HKO
MF
Coriolis
OGS
SAWS
UKMO
AOML
NDBC

Coriolis
MEDS

USER

Variables:

SST, Sea level atmospheric pressure, Wind vector, Salinity, Waves, Air temperature, Relative Humidity

– %
– %

- Data distributed within ??
- Completeness of meta data
- DB delayed mode raw data flow
- DB quality controlled delayed mode data flow
- Delayed mode data available on users
- Developing GDAC

DBCP

Drifting Buoy (DB)

Contributing Members

National Data Acquisition Center

- BOM
- MSC
- MNR/ HKO
- MF
- Coriolis
- OGS
- SAWS
- UKMO
- AOML
- NDBC
- SIO

National Meteorological Services

- BOM
- MSC
- CMA/ HKO
- Meteo France
- Coriolis
- ITAF-REMET
- SAWS
- UKMO
- NDBC

Global Data Distribution

OceanOPS — 97 %

Metadata

Meteo France GTS Access (csv)

GTS — 97 %

*For DB, 100% are in BUFR format

AOML

ICOADS

Coriolis

MEDS

Global Data Product

USER

Variables:

SST, Sea level atmospheric pressure, Wind vector, Salinity, Waves, Air temperature, Relative Humidity

– % • Data distributed within 1hr

• DB real time raw data flow

• DB quality controlled real time data flow

• Metadata flow - metadata feed

• Metadata flow - operational status

• Real time data available on users

• To be confirmed

• Developing GDAC

DBCP

Moored Buoy (MB)

Real Time

Contributing Members	National Data Acquisition Center	National Meteorological Services
Australia	BOM	BOM
Canada	MSC	MSC
China	CMA	CMA
Chile	SHOA	SHOA
France	MF	Meteo France
USA	NDBC	NDBC
Germany	BSH	DWD
Greece	HNMS	HNMS
India	NOIT	IMD
Ireland	IMI	IMI
Japan	JMA	JMA
Korea	KMA	KMA
Portugal	IH	IPMA
Spain	IEO	AEMET
Thailand	NDWC	NDWC
UK	UKMO	UKMO

Global Data Distribution

*For MB, 65% are in BUFR format

GTS

97 %

USER

Variables:

SST, Sea level atmospheric pressure, Wind vector, Salinity, Waves, Air temperature, Relative Humidity

– % • Data distribution within 1hr

• MB real time raw data flow

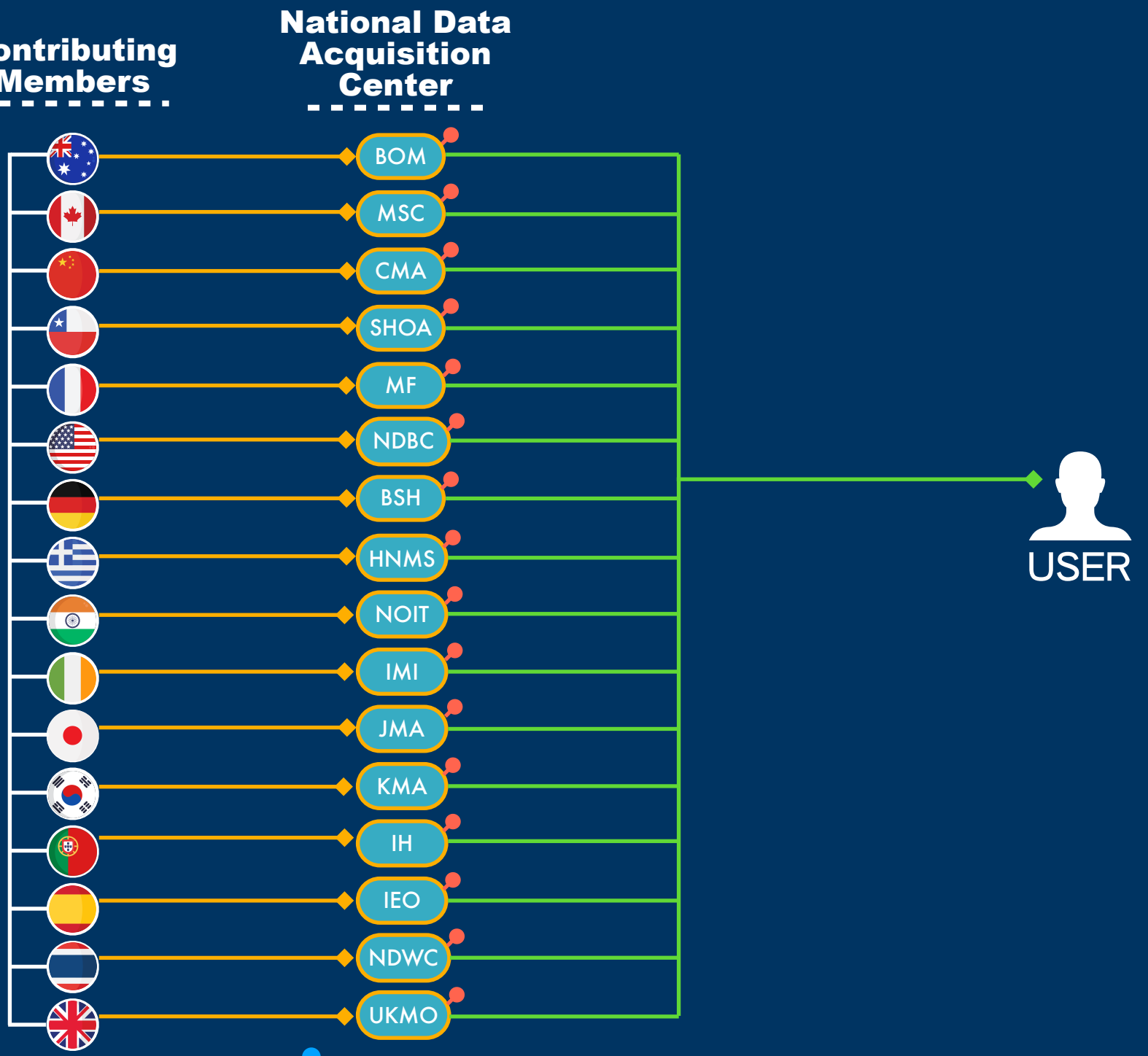
• MB quality controlled real time data flow

• Real time data available on users

DBCP

Moored Buoy (MB)

Delayed Mode



Variables:

SST, Sea level atmospheric pressure, Wind vector, Salinity, Waves, Air temperature, Relative Humidity

– %
– %

- Data distribution within ??
- Completeness of meta data
- MB delayed mode raw data flow
- MB quality controlled delayed mode data flow
- Delayed mode data available on users

DBCP

Moored Buoy (MB)

Contributing Members

National Data Acquisition Center

National Meteorological Services

BOM
MSC
CMA
SHOA
MF
NDBC
BSH
HNMS
NOIT
IMI
JMA
KMA
IH
IEO
NDWC
UKMO

BOM
MSC
CMA
SHOA
Meteo France
NDBC
DWD
HNMS
IMD
IMI
JMA
KMA
IPMA
AEMET
NDWC
UKMO

*For MB, 65% are in BUFR format

OceanOPS

98 %

Metadata

Global Data Distribution

GTS

USER

Variables:

SST, Sea level atmospheric pressure, Wind vector, Salinity, Waves, Air temperature, Relative Humidity

• Metadata flow - metadata feed
• Metadata flow - operational status

– % • Completeness of meta data

• MB real time raw data flow
• MB quality controlled real time data flow
• Real time data available on users

DBCP

Tsunameter

Variables:

SST, Sea level atmospheric pressure, Wind vector, Salinity, Waves, Air temperature, Relative Humidity

Contributing Members

National Data Acquisition Center

BOM
SHOA
CCO
INOCAR
INCOIS
JMA
MSNZ
FERHR
NDWC
NDBC

National Meteorological Services

BOM
Meteo Chile
IDEAM
INAMHI
IMD
JMA
MSNZ
FERHR
NDWC
NDBC

Global Data Distribution

Real Time

GTS

*For Tsunameter, none of them are in BUFR format

77 %

USER

NDBC

— % • Data distribution within 1hr

• Tsunameter real time raw data flow

• Tsunameter quality controlled real time data flow

• Real time data available on users]

• Developing GDAC

DBCP

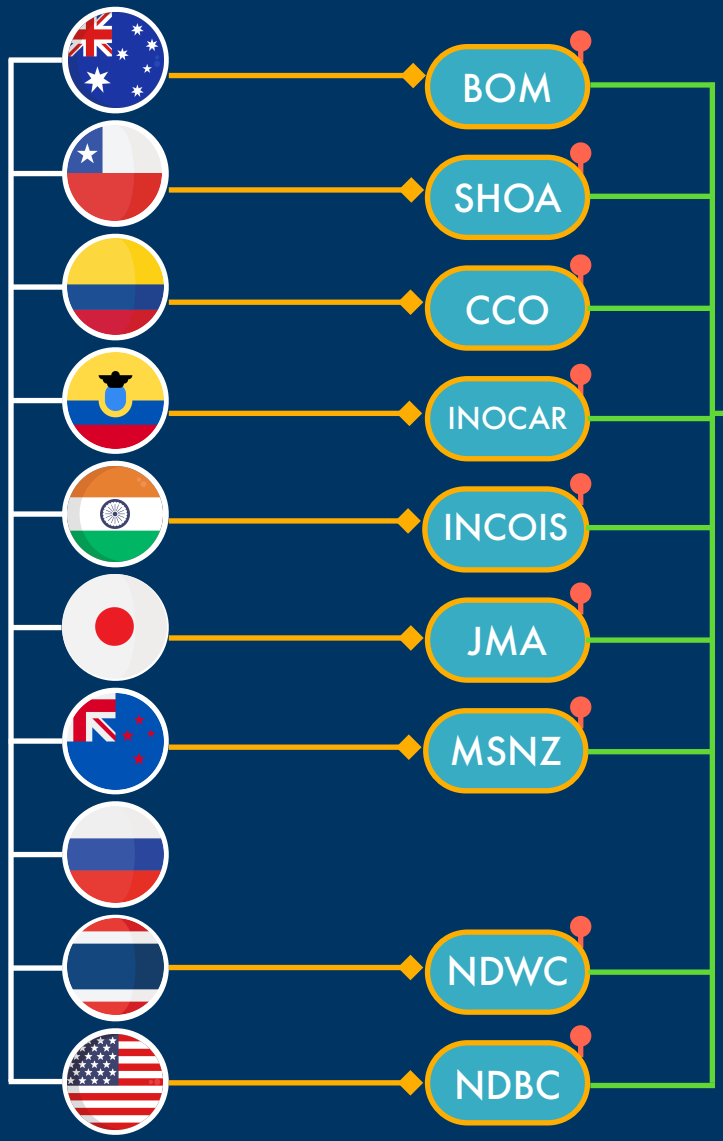
Tsunameter

Delayed Mode

Contributing Members

National Data Acquisition Center

Global Data Distribution



BOM

SHOA

CCO

INOCAR

INCOIS

JMA

MSNZ

NDWC

NDBC

NDBC

USER

Variables:

SST, Sea level atmospheric pressure, Wind vector, Salinity, Waves, Air temperature, Relative Humidity

– %
– %
• Data distribution within ??
• Completeness of meta data

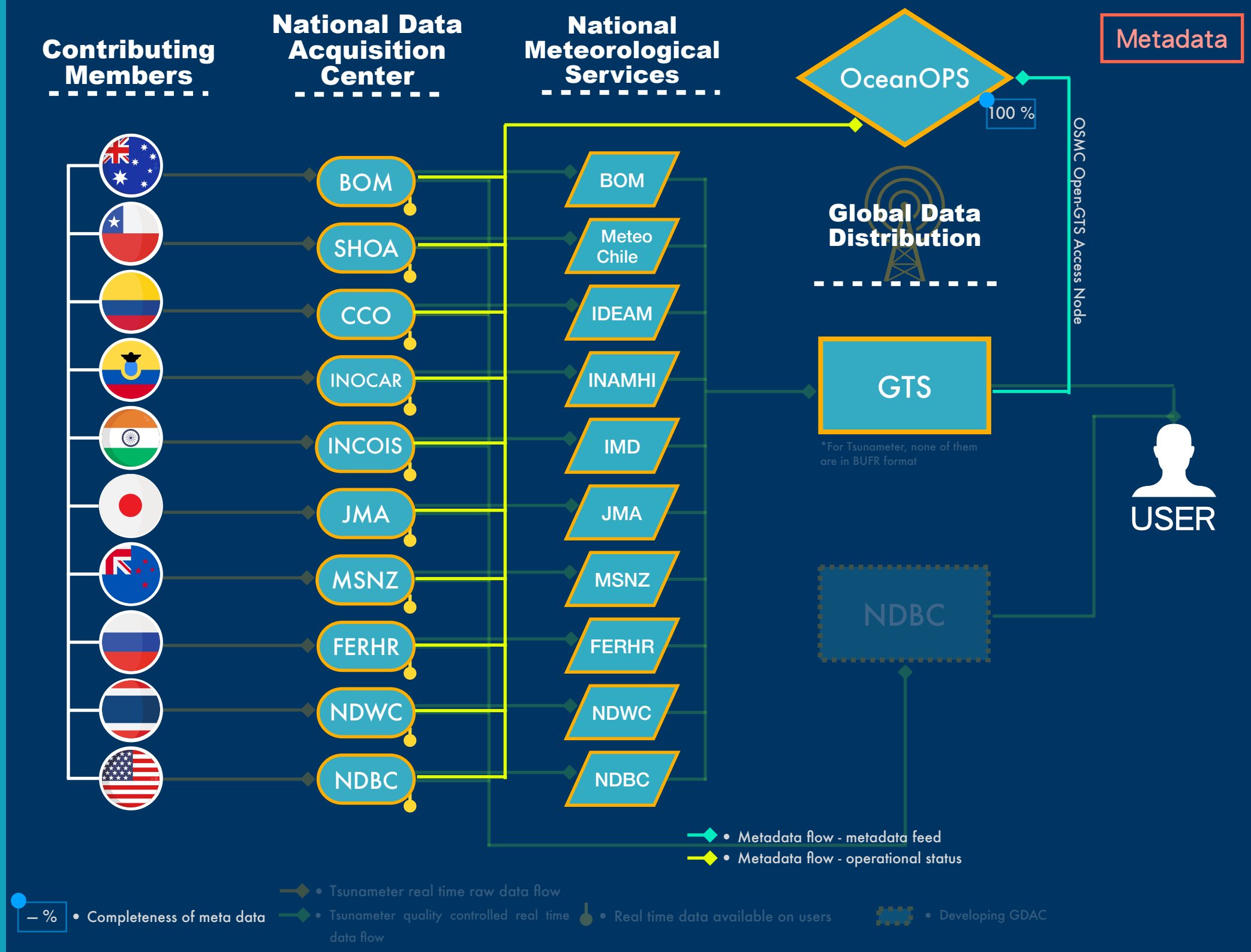
• Tsunameter delayed mode raw data flow
• Tsunameter quality controlled delayed mode data flow

• Delayed mode data available on users

• Developing GDAC

DBCP

Tsunameter



Variables:

SST, Sea level atmospheric pressure, Wind vector, Salinity, Waves, Air temperature, Relative Humidity

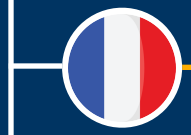
DBCP

Polar Buoy

Real Time

Contributing Members	National Data Acquisition Center	National Meteorological Services	Global Data Distribution

E-SURFMAR Countries



BOM → BOM

MSC → MSC

Coriolis → Coriolis

MF → Meteo France

OGS → ITAF-REMET

SIO/AOML → NDBC

BOM, MSC, Coriolis, Meteo France, ITAF-REMET, NDBC → GTS

*For Polar buoy, 100% are in BUFR format

97.8%

GTS → USER

GTS → Coriolis

GTS → MEDS

Coriolis → USER

MEDS → USER

Variables:

SST, Sea level atmospheric pressure, Wind vector, Salinity, Waves, Air temperature, Relative Humidity

– % • Data distributed within 1hr

• PB real time raw data flow

• PB quality controlled real time data flow

• Real time data available on users

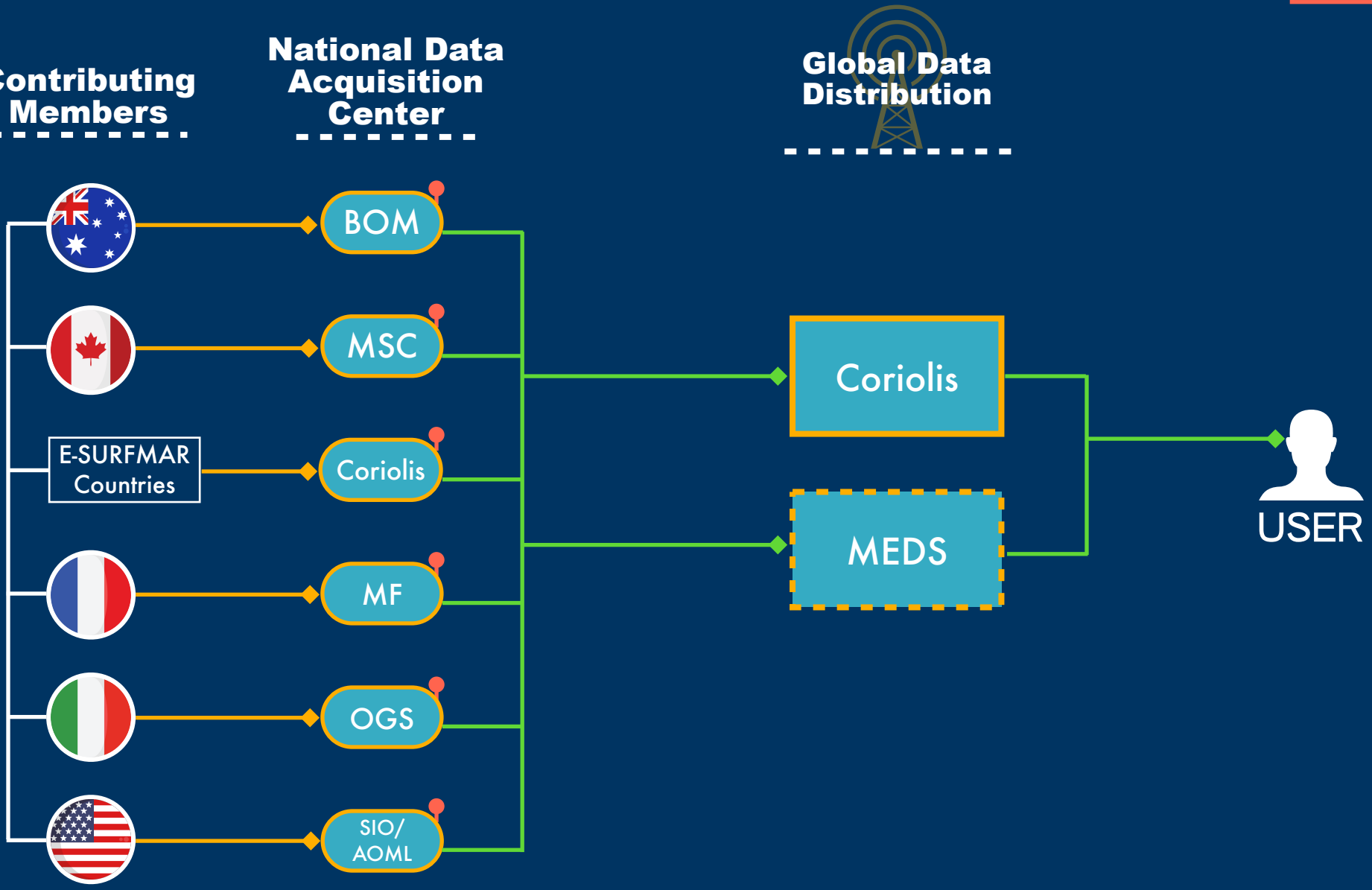
• To be confirmed

• Developing GDAC

DBCP

Polar Buoy

Delayed Mode



Variables:

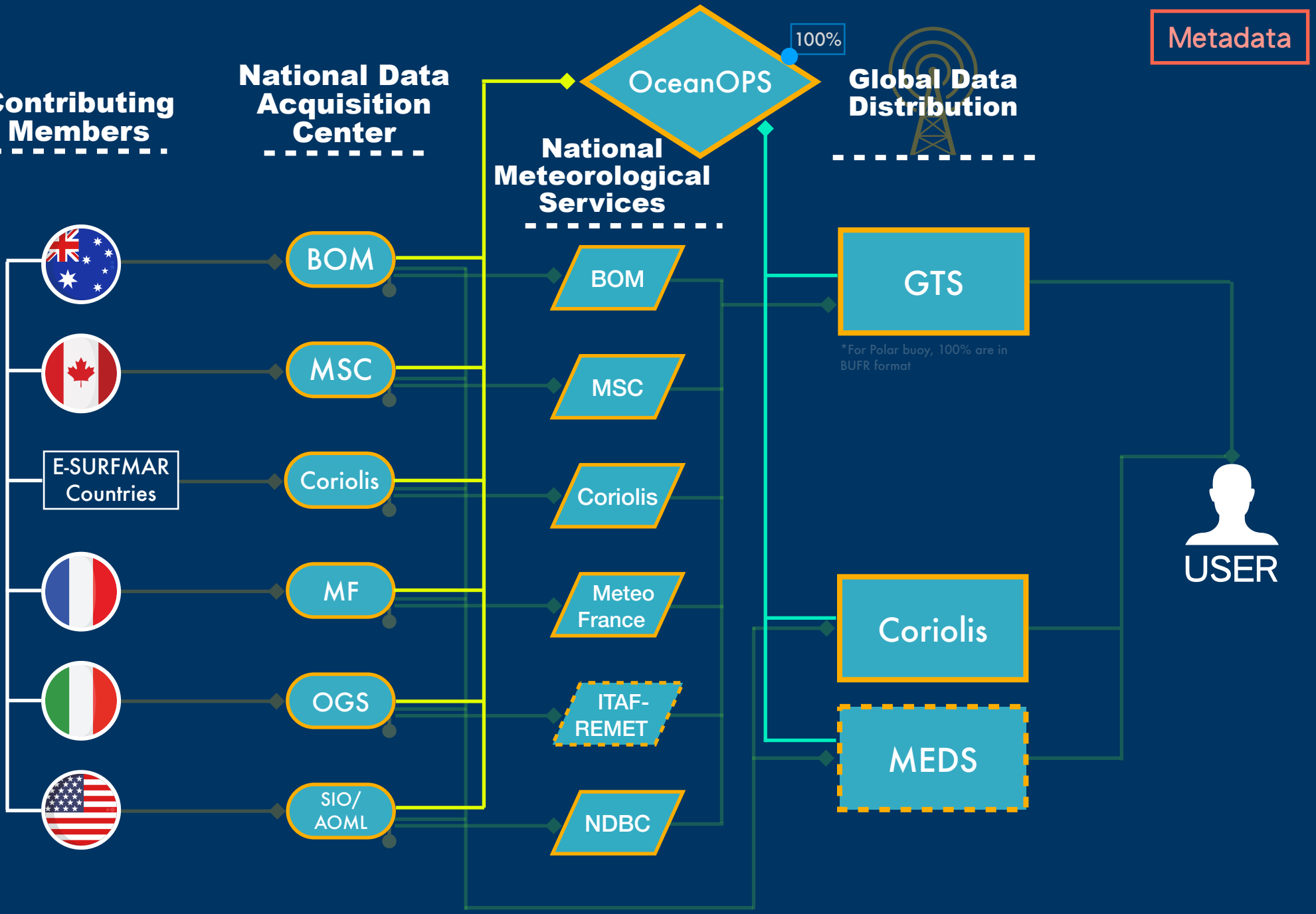
SST, Sea level atmospheric pressure, Wind vector, Salinity, Waves, Air temperature, Relative Humidity

– %
– %

- Data distributed within 1hr
- Completeness of meta data
- PB delayed mode data flow
- PB quality controlled delayed mode data flow
- Delayed mode data available on users
- Developing GDAC

DBCP

Polar Buoy



Variables:

SST, Sea level atmospheric pressure, Wind vector, Salinity, Waves, Air temperature, Relative Humidity

– % • Completeness of meta data

• PB real time raw data flow

• PB quality controlled real time data flow

• Real time data available on users

• Metadata flow - metadata feed

• Metadata flow - operational status

• To be confirmed

• Developing GDAC