

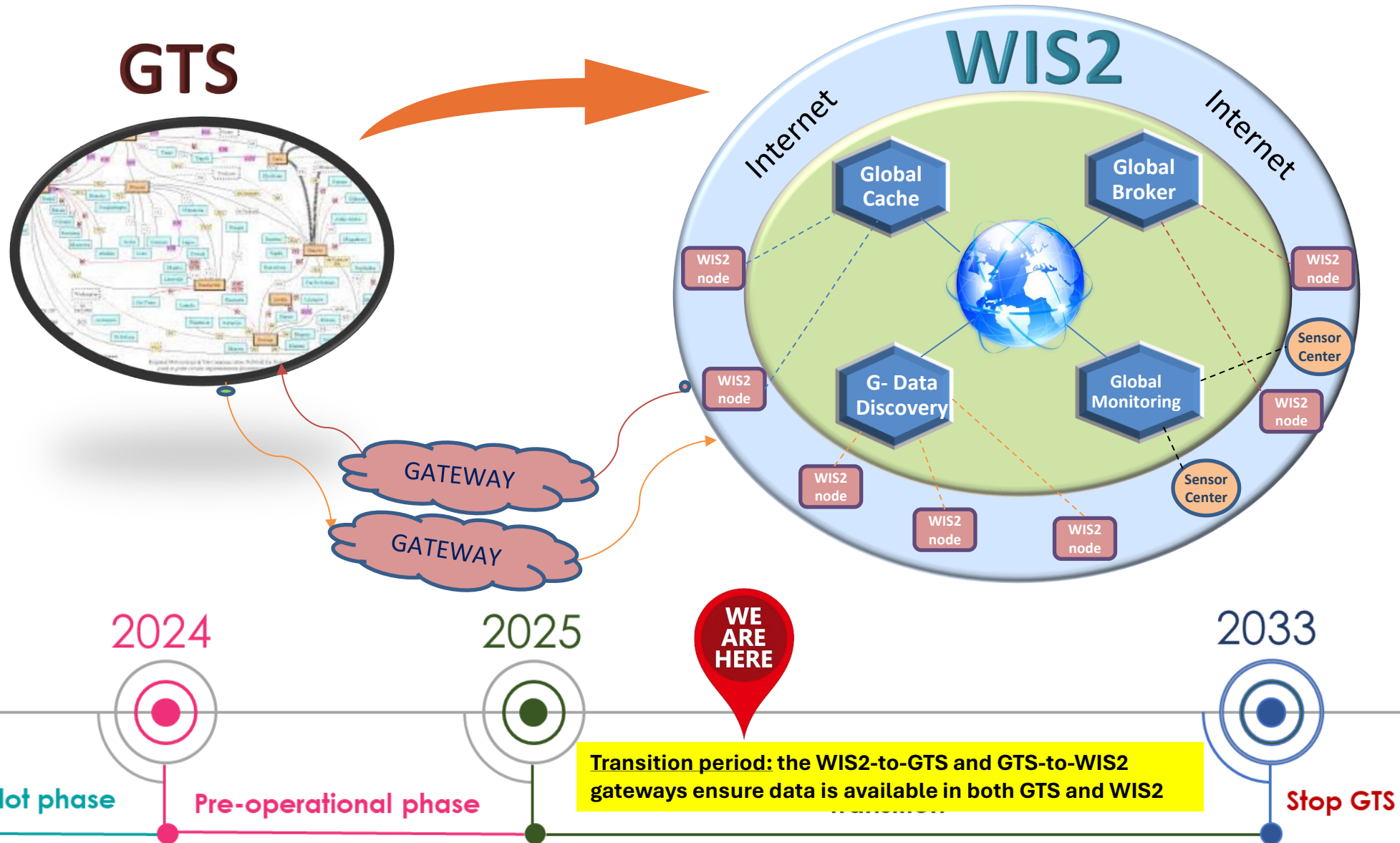
Transition from WIS1/GTS to WIS 2.0

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Data exchange between the two systems

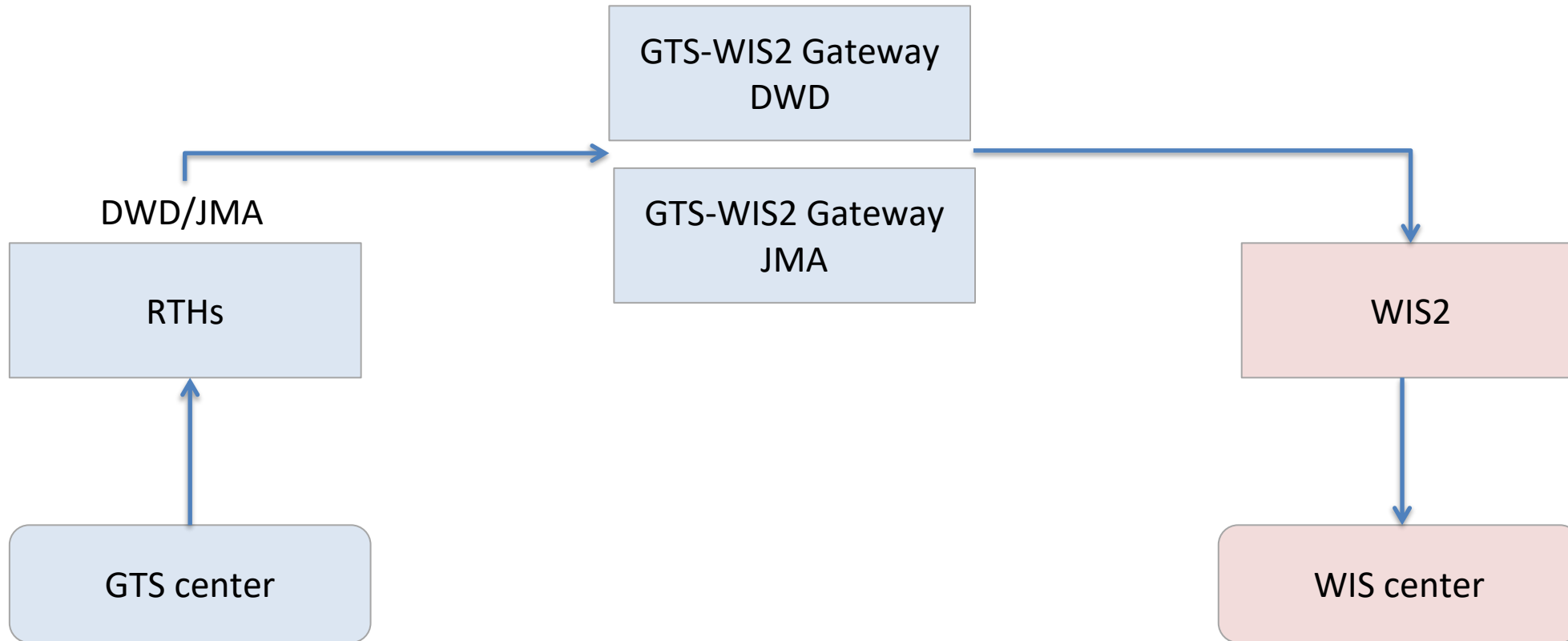


GTS to WIS2 gateway

- **Purpose:** The purpose of the GTS to WIS2 gateway is to enable Members who have **migrated to WIS2**, and **stopped their GTS** systems, to continue **receiving GTS data** from WIS2. This gateway also enables users who are **not connected to GTS to access GTS data** from WIS2, during the transition phase. The GTS to WIS2 gateway will forward the GTS traffic it receives to WIS2. In accordance with the WIS2 specification, all data received on one GTS link will be stored on an HTTP(s) endpoint of the gateway, and will generate a WIS2 Notification Message.

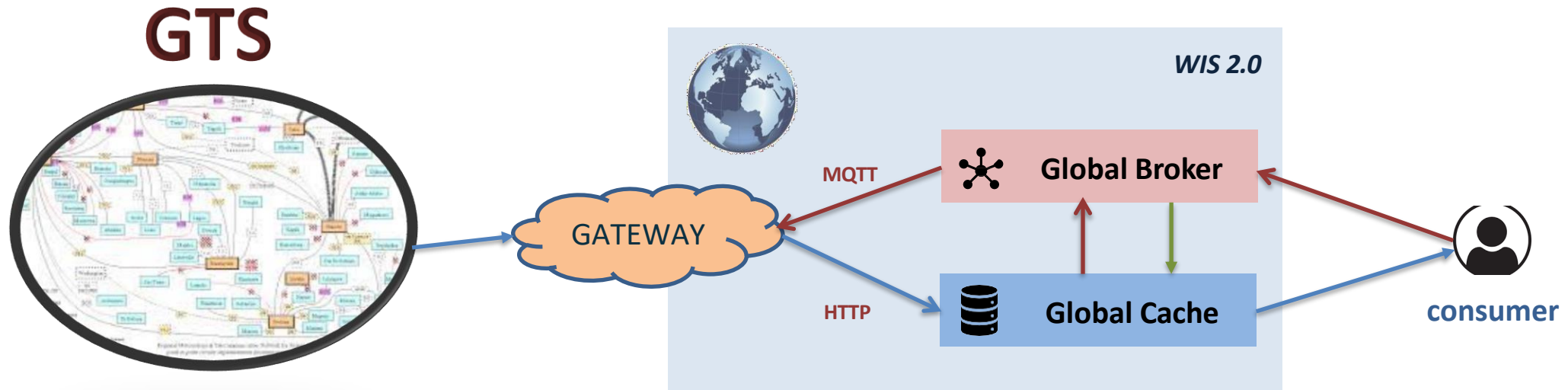
GTS to WIS2 Gateway

GTS-WIS2 Gateway



GTS-WIS2 gateway (cont'd)

GTS-WIS2 gateway ...



GTS-to-WIS2 gateways
publish WIS2-notifications for
GTS-data using a topic
defined by the GTS headers

GTS-WIS2 gateway (cont'd)

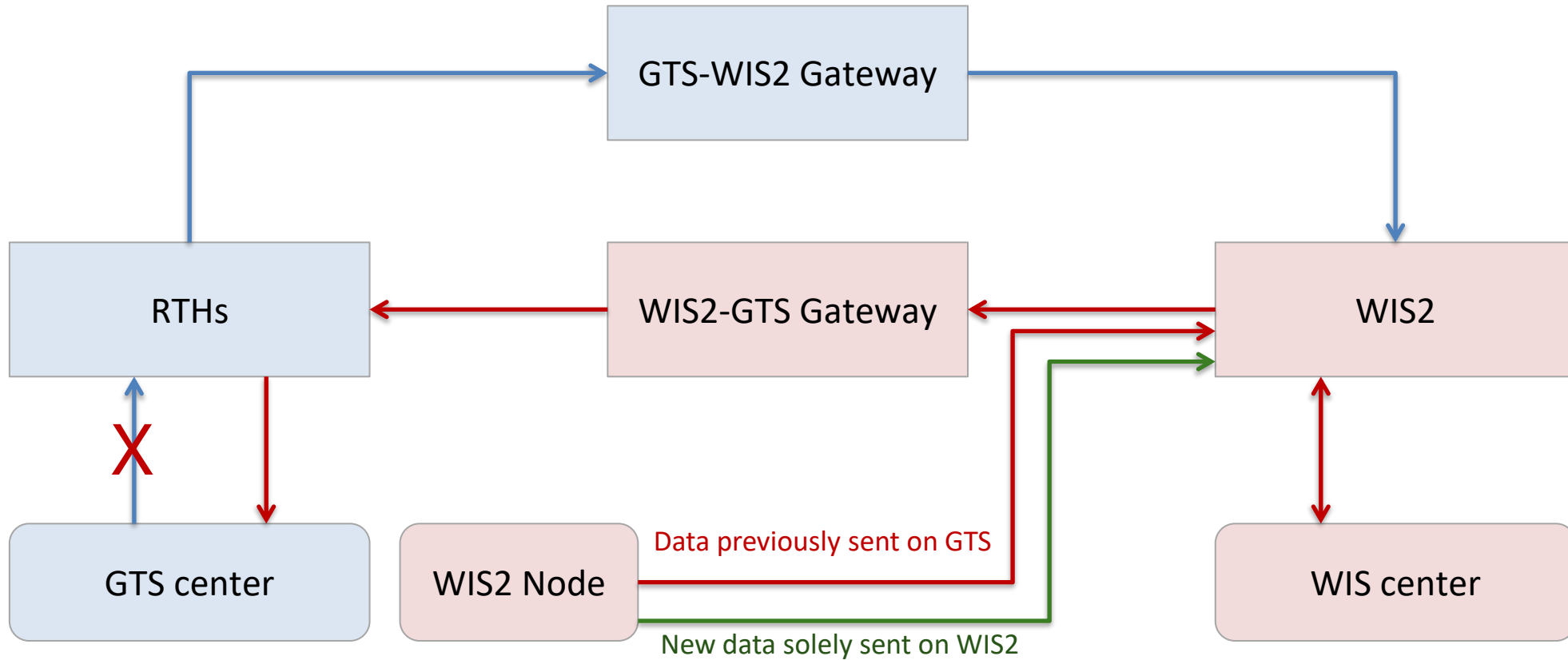
- The topic hierarchy for GTS data on WIS2 will be:
 - origin/a/wis2/{centre-id}/data/[core|recommended]/T1/T2/A1/A2/ii/CCCC
- Example for DWD:
 - origin/a/wis2/de-dwd-gts-to-wis2/data/[core|recommended]/T1/T2/A1/A2/ii/CCCC
- Example for JMA:
 - origin/a/wis2/jp-jma-gts-to-wis2/data/[core|recommended]/T1/T2/A1/A2/ii/CCCC
- The T1/T2/A1/A2/ii/CCCC above is derived from the headers of the data received on the GTS

WIS2 to GTS gateway

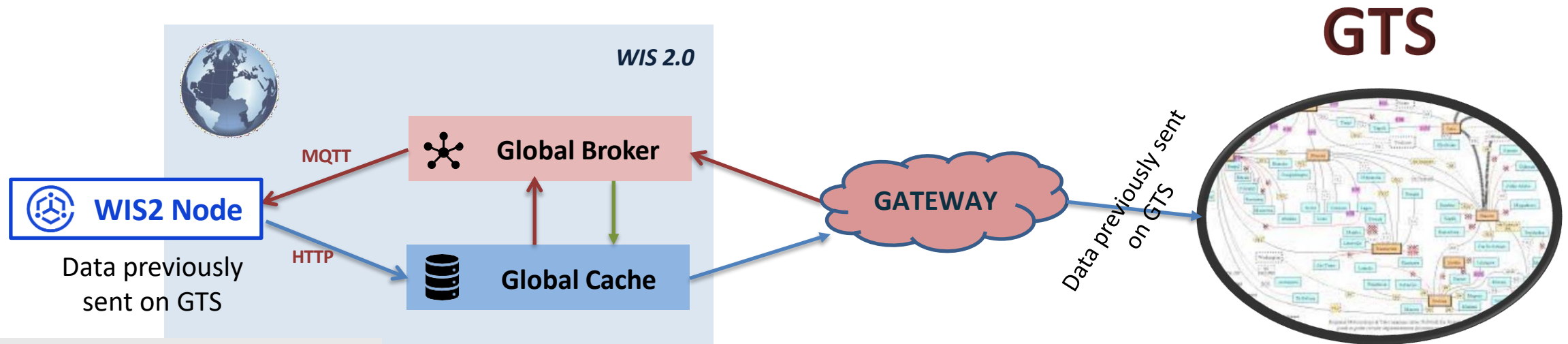
- **Purpose:** When a National Meteorological Centre (NMC), running a Message Switching System and exchanging data on the GTS, has implemented WIS2, it may wish to stop sending its data directly on the GTS so that it can stop the MSS. For a Member that wishes to stop MSS, the WIS2 to GTS gateway will ensure that only data currently available on the GTS will be re-published on the GTS, so that no data is lost during the transition. To ensure resilient operation, there will be more than one WIS2 to GTS gateway.

3. Data exchange between the two systems (cont'd)

WIS2-GTS Gateway



WIS2 to GTS gateway (cont'd)



```
"properties": {  
  "gts": {  
    "ttaaii": "FTAE31",  
    "cccc": "VTBB"  
  }  
}
```

To enable the WIS2-to-GTS Gateway to republish data on the GTS, WIS2-nodes are required to add additional information in the message properties:

Thank you
Merci
Gracias
شكرا
谢谢
Спасибо