An Overview of the WMO Information System (WIS)

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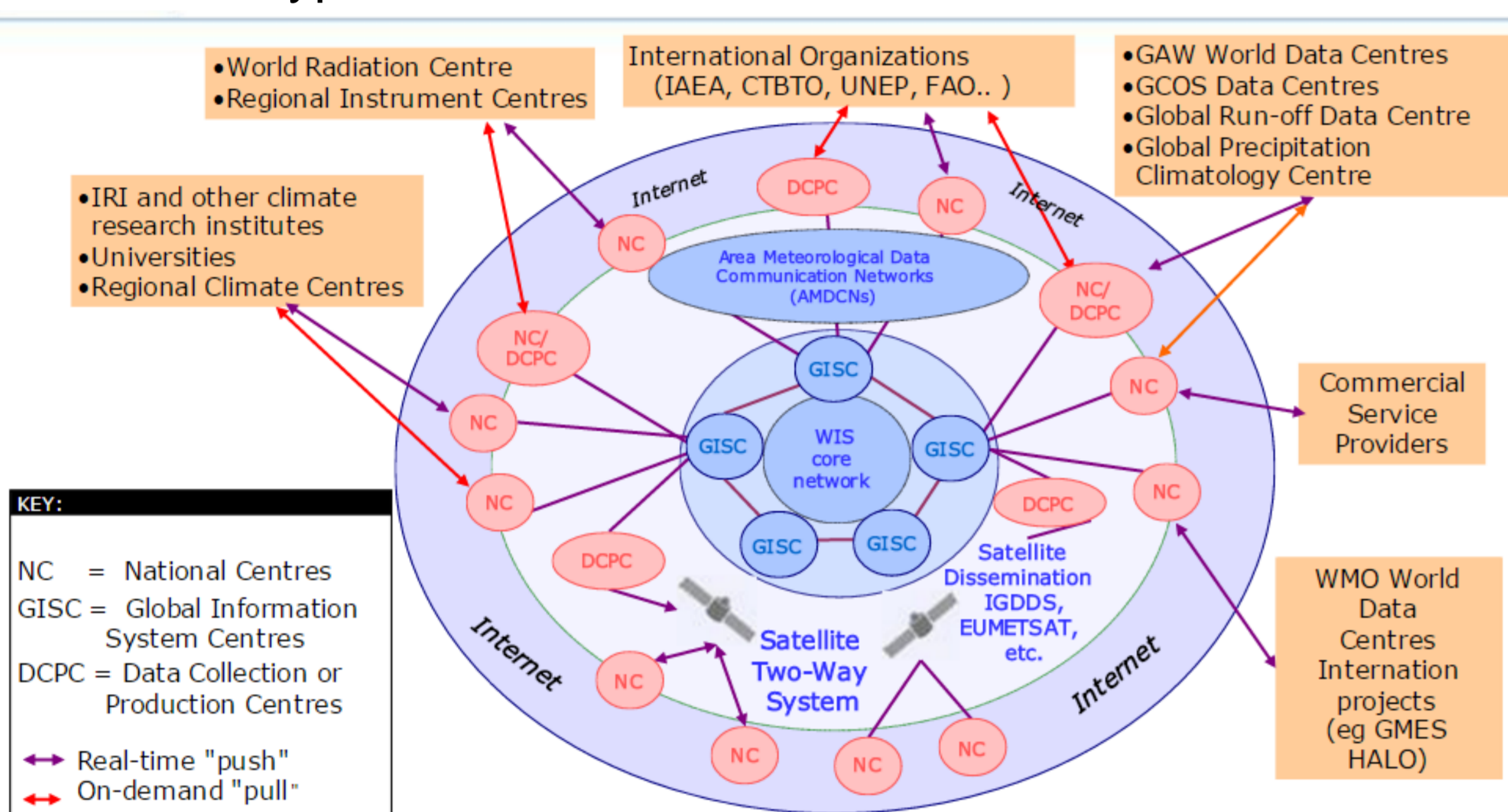EuroGOOS AISBL, Brussels, Belgium

WIS Benefits

• WIS enhances the collection of critical data needed to monitor and predict aspects of the environment, including hazards;
• WIS catalogues the full range of data and products, simplifying search and assuring equitable access per WMO policies;
• WIS enhances the availability of time-critical data and products at centers in all nations, ensuring the effective provision of services to their populations and economies;
• WIS opens up WMO's private network (the GTS) to other types of environmental data so that all programs have stronger infrastructure support;
• WIS exploits opportunities as they become available with technology innovation
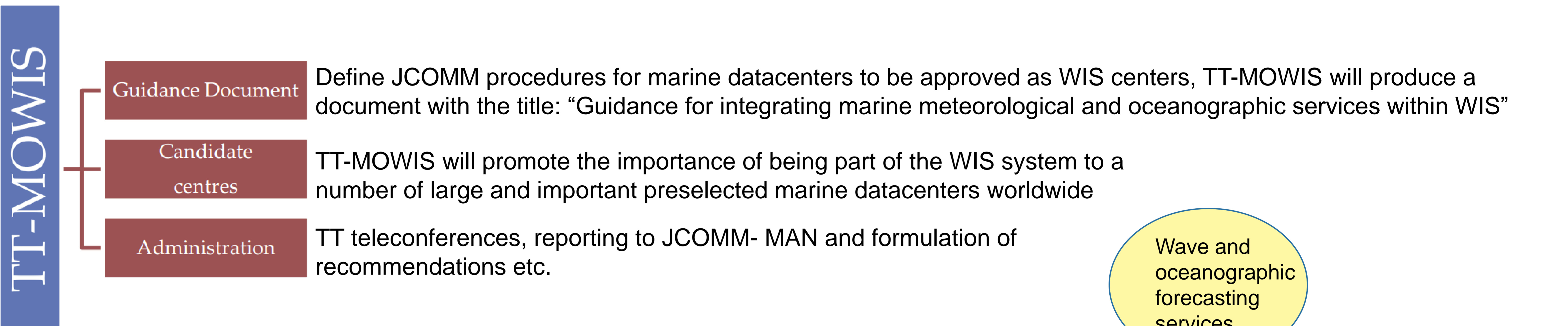
Type of Centers: GISCs, DCPCs, and NCs

KEY:
NC = National Centres
GISC = Global Information System Centres
DCPC = Data Collection or Production Centres

↔ Real-time "push"
↔ On-demand "pull"

• Every WIS NC must supply metadata for their data and products.
• DCPCs collect, generate , disseminate, add value to, and archive regional or programme-specific data and products.
• DCPCs maintain catalogues of their holdings and services,
• GISCs hold and distribute copies of at least 24 hours of WMO data and products intended for global distribution.

Cross-cutting Task Team for Integrated Marine Meteorological and Oceanographic Services within WIS (TT-MOWIS)

JCOMM decided in 2015 to establish a Task Team, TT-MOWIS, with the objective to find ways to increase the availability of marine meteorological and oceanographic data in the WIS system.

TT-MOWIS

Guidance Document — Define JCOMM procedures for marine datacenters to be approved as WIS centers, TT-MOWIS will produce a document with the title: "Guidance for integrating marine meteorological and oceanographic services within WIS"

Candidate centres — TT-MOWIS will promote the importance of being part of the WIS system to a number of large and important preselected marine datacenters worldwide

Administration — TT teleconferences, reporting to JCOMM- MAN and formulation of recommendations etc.

• Get the full picture of the WMO WIS system – structure, strength, weaknesses, and opportunities. Many oceanographic data originators are from marine organizations not familiar with the WMO system.
• Clarify the approach to be followed by marine datacenters to become a WIS Data collection or Production Centre (DCPC)
• Present and motivate marine centers to become DCPC's
• Promote the importance of being part of the WIS system to a number of large and important pre-selected marine datacenters worldwide