

Table 1 of the FAGS White paper: FAGS – WDC cross-connection grid

FAGS Service (Parent Unions)	Central themes	Very close relation with WDC (overlapping)	Strong connection with WDC (intersecting goals)	Natural collaborations with WDCs (exchanges)
BGI <i>Bureau Gravimétrique International</i> (IUGG : IAG Service)	Earth gravity data (compilation, distribution)	Solid Earth geophysics		Glaciology
CDS <i>Centre des Données astronomiques de Strasbourg</i> (IAU)	Astronomical data (compilation, distribution)		Astronomy	
ICET: [WDC] <i>International Center for Earth Tides</i> (IUGG : IAG Service)	Gravimetry network: Earth tides (compilation, distribution)	<u>Earth tides</u>	Solid Earth geophysics	Geophysics fluids Oceanography
IERS <i>International Earth Rotation and Reference systems Services</i> (IUGG: IAG Service; IAU)	Earth rotation, Reference systems geodesy geophysical fluids IERS Conventions	Rotation of the Earth Solid Earth geophysics Geophysical fluids		
IGS <i>International GNSS Service</i> (IUGG :IAG Service)	GNSS network (analysis) GNSS precise orbit determination Earth rotation oceanography		Rockets and satellites Rotation of the Earth	Solar activity Ionosphere Space Sciences Oceanography
ISES <i>International Space Environment Service</i> (URSI, IAU, IUGG)	Space weather (analysis)	Solar terrestrial Physics [joint] Solar activity	Aurora Cosmic rays Geomagnetism Ionosphere Rockets and satellites [joint] Solar radio emissions Space Sciences	

ISGI International Service of Geomagnetic Indices (URSI; IUGG/IAGA)	Geomagnetic indices, from observatory network observations (compilation, distribution)	Geomagnetism [joint] Solar terrestrial Physics	Aurora Rockets and satellites Space Sciences	Ionosphere Cosmic rays
IVS International VLBI Service for Geodesy and Astrometry (IUGG : IAG Service; IAU)	VLBI, geodesy, Earth rotation, astrometry, reference systems (analysis)		Rotation of the Earth Solid Earth geophysics Astronomy	
PSMSL Permanent Service for Mean Sea Level (IUGG : IAG Service)	Tide gauge network (analysis)		Oceanography Remotely sensed data	Climate Marine environmental sciences Marine geology and geophysics Meteorology
SIDC: [WDC] Solar Influences Data Analysis Center WDC: Sunspot Index Data Centre (URSI, IAU, IUGG)	Sunspot index (compilation, distribution)	<u>Sunspot Index</u>	Solar activity Solar radio emissions Solar terrestrial Physics	Climate Paleoclimatology
QBSA Quarterly Bulletin on Solar Activity (IAU)	Solar data (compilation, distribution)	Solar activity	Solar radio emissions Solar terrestrial Physics	
WGMS World Glacier Monitoring Service (IUGG)	Glaciers, climate (analysis)	Glaciology [joint]	Climate Meteorology	Land cover data Remotely sensed data

Key to table

Column 2: bold underlined entries are FAGS services acting also as WDC

[**joint**]: indicates that joint activities or services are already carried out by a FAGS and a WDC service

(Table prepared by F.Clette: original version (2007/04/01); slightly revised by N. Capitaine with Service directors (2007/07/02))