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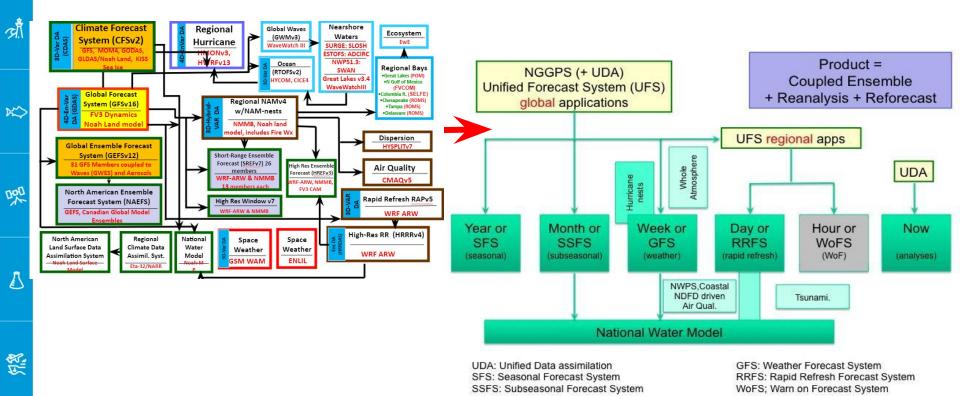
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Overview of NOAA's Environmental Modeling Center

NATIONAL WEATHER SERVICE August 22, 2023 Brian Gross, Director NOAA/NWS/NCEP/Environmental Modeling Center



Target: Simplifying the NCEP Production Suite

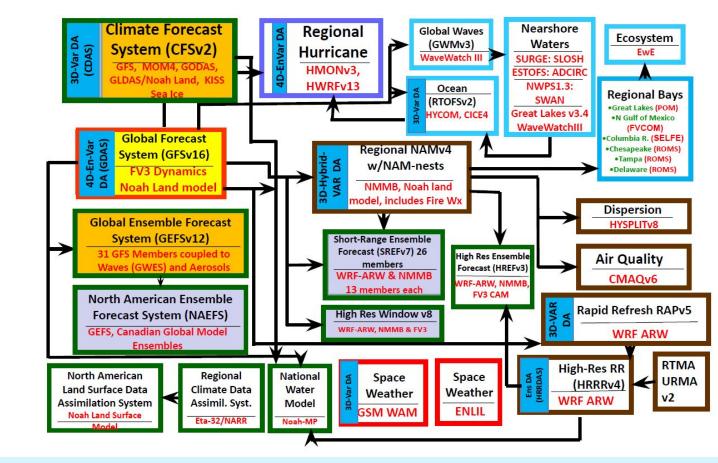


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NOAA's Operational Numerical Model Guidance Suite



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Simplifying the NCEP Production Suite UFS

Global Weather, Waves & Global Analysis - GFS/ GDAS Global Weather and Wave Ensembles, Aerosols - GEFS Short-Range Regional Ensembles - SREF Global Ocean & Sea-Ice - RTOFS Global Ocean Analysis - GODAS Seasonal Climate - CDAS/ CFS	RTOFSv3 GODASv3		GFSv17/ GEFSv13	Seasonal R	eforecast Pr	oduction	GFSv18/ GEFSv14/ SFSv1	Medium Range & Subseasonal Marine & Cryosphere Seasonal
Regional Hurricane 1 - HWRF	HAFSv1		HAFSv2		HAFSv3		HAFSv4	Hurricane
Regional Hurricane 2 - HMON				L				
Regional High Resolution CAM 1 - HiRes Window Regional High Resolution CAM 2 - NAM nests/ Fire Wx Regional High Resolution CAM 3 - RAPv5/ HRRR Regional HiRes CAM Ensemble - HREF Regional Mesoscale Weather - NAM Regional Air Quality - AQM Regional Surface Weather Analysis - RTMA/ URMA		RRFSv1 3DRTMA/UR	2MA v3		RRFSv2 " v4		RRFSv3/ WoFSv1	Short-Range Regional & Regional Atmospheric Composition
Atmospheric Transport & Dispersion - HySPLIT	HySPLITv8		H	/SPLITv9		H	ySPLITv10	Air Dispersion
Coastal & Regional Waves - NWPS	NWPS	/1.4		RWPS	Sv1	RWPSv2		Coastal
Great Lakes - GLWU	GLWUv1.2			GLWU	1v2	GLWUv3		Lakes
Regional Hydrology - NWM		N	IWMv3					Hydrology
Space Weather 1 - WAM/IPE Space Weather 2 - ENLIL					WAM/IF	PEv2		Space Weather

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