

The following information is an extract from the 2021/2026 Public Weather Service Customer Supplier Agreement, the complete version of the full agreement is available on the Met Office website.

## Annex A: Products and Services Catalogue

List of all the products and services that constitute the Met Office Public Task . Some of these products and services are not directly mentioned in the CSA, but are included here for completeness.

All products and services are delivered against at least one of the Theme aims and are included only once in the below summary under the Theme they are most aligned to. However, please note that some products and services do contribute to the success of more than one Theme.

### Theme Products and Services

Theme 1 – Weather forecasts and warnings when it matters – Stay Safe	
UK	
Services	Civil Contingency Advisors Hazard Manager NSWWS [National Severe Weather Warning Service] (service) – includes supporting communications, engagement, and education provision. Avalanche support services Gov e-mail Delivery Central Guidance Unit services (UK Operational forecast expertise)
Products	NSWWS (product) Daily Hazard Assessment Short notice warnings CHEMET (Area and Plume forecast for hazardous chemical releases) Three-month Outlook Heat warnings (not yet operational)
International	
Services	RSMC (Regional Specialist Met Centre) – allocated by WMO for Atmospheric Transportation Modelling Services CTBTO [Comprehensive Nuclear Test Ban Treaty Organisation] (dispersion modelling) Meteoalarm (European warnings information service) Atmospheric pollution service Advice to Government Hurricane Season Forecasts Crisis Area Modelling International support services (briefing to UK government) Global Guidance Unit Services (GGU) (Global Operational forecast expertise)
Products	Global Long Range Outlook (Produced by Science) Global daily weather impact assessment Global incident forecasts International atmospheric pollution services Severe weather assessments

Theme 2 – Weather forecasts and warnings everyday - thrive	
Services	<p>Met Office Website  Met Office Mobile Apps  Met Office Mobile Widget  Alexa skill and Flash briefing</p>
Products	<p>Seven-day site specific and mapped forecasts across the UK  Operational Forecasts <ul style="list-style-type: none"> <li>• National and Regional video forecasts</li> <li>• Text forecasts</li> <li>• Weather forecast charts</li> </ul> Weather related website and App content (text chart and video)  Pollen forecasts (5 day pollen forecast service March-October)  Mountain forecasts  Beach forecasts  UK event forecasts  UK climate information  UV forecasts  Current Observations, including radar, satellite and surface based  Historical Observations</p>

Theme 3 – Maintaining an authoritative voice – recognised as world leaders in weather and climate services.	
Services	<p>New and Emerging channels  Social Media Channels Management  Weather Desk (Met Office 24hr helpdesk)  National Meteorological Library and Archive (digital and analogue archives)  Public Weather Media Service (PWMS)  Presenter  Visual Cortex licence and support (with 3<sup>rd</sup> party funding)  Design Services  Press Office  Communications and weather campaigns  Syndication services  Marketing and market intelligence  Schools Programme of services</p>
Products	<p>Bespoke Graphics Production  Media Briefings from specialists (media services team and others)  Briefings and scripts  Downloadable weather-related curriculum for 7-14 year olds</p>
Data Services	<p>Weather DataHub (<a href="#">Link here</a>)  Datapoint (deprecated to be decommissioned) (<a href="#">Link here</a>)  Data Provisioning (PSI re-use data catalogue) (<a href="#">Link here</a>)  Weather observations Website (WOW) (<a href="#">Link here</a>)</p>

Theme 4: National capability and international commitments - recognised as global leaders in weather and climate science

Reports from Technical Services (Observations), Science, Operational Technology, International Commitments and Finance are provided to the PAG for assurance purposes, giving detail on the performance of service delivery and progress made in development activities which contribute to the lifecycle plans of products and services detailed above under themes 1 to 3.

Observations, Science and Technology capabilities listed within tables below undergo regular life-cycling which includes transformation to cloud based technologies. Tables will be refreshed annually and may not precisely reflect the latest configuration of underpinning capabilities.

<p>Technical Services (Observations)</p>	<p>Global satellite reception          UK radar network          UK land observations          UK upper air observations          Marine observations (Buoys, Voluntary observing ships, Argo Floats)          Lightning observations          UK AMDAR (Aircraft Meteorological Data Relay)          WOW observations (Weather Observations Website) (Also included above in Theme 3)          European and Global observations – exchange and collaborations          Spectrum and Safeguarding          Observations data quality control</p>
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<p>Science</p>	<p><b><u>Forecast Models</u></b>  <i>Atmospheric NWP</i>          Global Model Deterministic          UK Model Deterministic          Local Area Model London          Global Ensemble (available for re-use by end 2021)          UK Ensemble (available for re-use 2022)          European Model Deterministic (soon to be retired)</p> <p><i>Atmospheric – Extended range</i>          Met Office Global Seasonal Forecasting System – Monthly (with 3<sup>rd</sup> party funding)          Met Office Global Seasonal Forecasting System – Seasonal (with 3<sup>rd</sup> party funding)          Met Office Global Seasonal Forecasting System – Hindcast (with 3<sup>rd</sup> party funding)  <a href="#">(Data available for re-use through Copernicus – link here)</a></p> <p><i>Dispersion Models</i>          NAME (Numerical Atmospheric Dispersion Modelling Environment)          (Supports Theme 1 CHEMET, RSMC and CTBTO services)          UK Air Quality Unified Model (UK AQUM)</p> <p><i>Marine Models</i>          Global Wave Model          UK Wave Model          Atlantic Wave Model Ensemble          OSTIA Foundation Sea Surface Temperature and Sea Ice Analysis</p>
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	<p>Global Forecasting Ocean Assimilation Model (Global FOAM)  North West Shelf Seas Forecasting Ocean Assimilation Model  European Shelf Seas (AMM15) (with 3<sup>rd</sup> party funding)  UK surge model  UK surge ensemble model  Global Ocean (with 3<sup>rd</sup> party funding)</p> <p><i>Science Capability</i>  Atmospheric model evaluation &amp; development  Atmospheric physics &amp; parameterisations  Data Assimilation  Satellite applications  Verification (capabilities and outputs)  Dynamics research  Post processing (Gridded, Site specific, climatological record)  Impact modelling  Observation based research  Observations systems Research  Weather Science IT  Informatics  Atmospheric dispersion  Science partnerships  Ocean forecasting  Climate science IT  Climate monitoring &amp; attribution</p> <p><i>Other Centres - ECMWF</i>  European Centre for Medium Range Weather Forecasting (ECMWF)  - Global Deterministic Model,  - Global Ensemble Model,  - Monthly  - Seasonal</p>
<p>Technology</p>	<p><b><u>Technology</u></b>  Supercomputing (HPC Exeter, HPC ECMWF)  Other Compute (Physical, Virtual, Container, Function)  Hosting (On Premise, Public Cloud)  Storage (Object, Block, File System)  Connectivity (LAN, WAN, Internet, Partner)</p> <p><i>Technology Applications</i>  Platform Engineering (Databases, IDAM, Machine Learning etc)  Software Development (Design, Build, Test, Integrate, Deploy)  Application Lifecycle Management (On-Board, Configuration, Customisation, Retirement)  IT Service Management (Design, Transition, Operation, Improvement, Retirement)</p> <p><i>Data</i>  Data Transport (Data Transfer, Data Traffic Management)  Data Management (Common Reference, Common Metadata, Data Catalogue, Common Functions)</p>

	<p>Data Platform (Data Services, Data Pipelines, Data Lake, Interactive Data Environments)</p> <p>Data Supply (Observation, Simulation, Standardise, Post-Processing, Productise, Supply)</p> <p><i>Data Science (Data Science Research)</i></p>
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<p>International Commitments</p>	<p>World Meteorological Organisation (WMO)</p> <p>European Centre for Medium-Range weather forecasts (ECMWF)</p> <p>European Organisation for the Exploitation of Meteorological Satellites (EUMETSAT)</p> <p>EUMETNET (network of 31 European National Met Services)</p> <p>WMO Voluntary Co-operation Programme (VCP)</p> <p>European Economic Interest Group (ECOMET)</p>