Data Collection or Production Centre for the

World Weather Information Service

Introduction

The Data Collection or Production Centre (DCPC) for the World Weather Information Service (WWIS) operated by the Hong Kong Observatory (HKO) is a component of the World Meteorological Organization Information System (WIS). It manages and disseminates official weather forecasts and climatological information for worldwide cities supplied by the respective National Meteorological and Hydrological Services (NMHSs).

WIS is a coordinated global infrastructure for all World Meteorological Organization (WMO) Programmes to meet the requirements for routine collection and automated dissemination of data and products, as well as data discovery, access and retrieval (DAR) services for all weather, climate, water and related data produced by centres and Member countries in the framework of WMO.

WWIS is a web site (http://worldweather.wmo.int) operated by the HKO on behalf of WMO. It was launched in 2002 to serve as a centralized source on the Internet for user to access official weather information issued by NMHSs. With the weather information collected under the WWIS programme, the DCPC for WWIS generates the corresponding data and metadata in conformance with WMO's standards to provide DAR services.

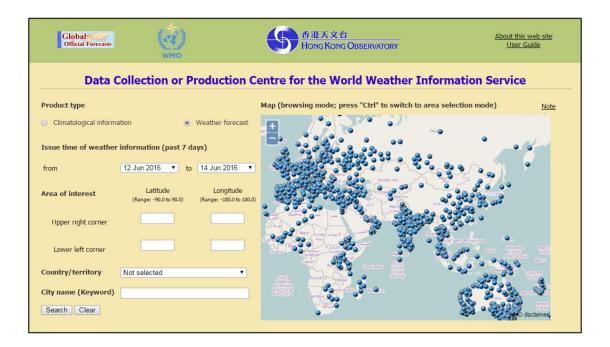
Services of the DCPC for WWIS

The DCPC for WWIS has three major functions:

- Provides online services for global users to search and access the official weather forecasts and climatological information for cities around the world;
- Offers subscription service for users to automatically receive timely update of weather information of interest via RSS; and
- Provides metadata of the weather information available at the DCPC for WWIS to other systems such as the Global Information System Centres (GISCs) of the WIS for users to search for weather information via the GISC's DAR services.

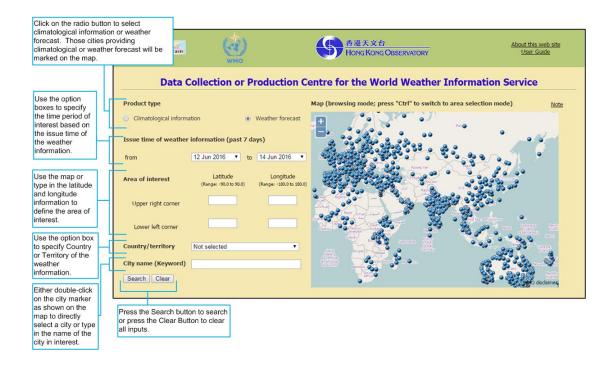
Overview of the DCPC for WWIS

The DCPC for WWIS consists of a database, application programs and the front-end graphical user interface. The graphical user interface enables Internet users to search and browse the weather information presented in tabular form. Besides, official world city forecasts and climatological information encoded in standard JSON format are published by the DCPC for WWIS to enable subsequent data exchange between computer systems. The **DCPC** for **WWIS** portal is available http://dcpc.worldweather.org on the Internet. A sample of the webpage is given below.

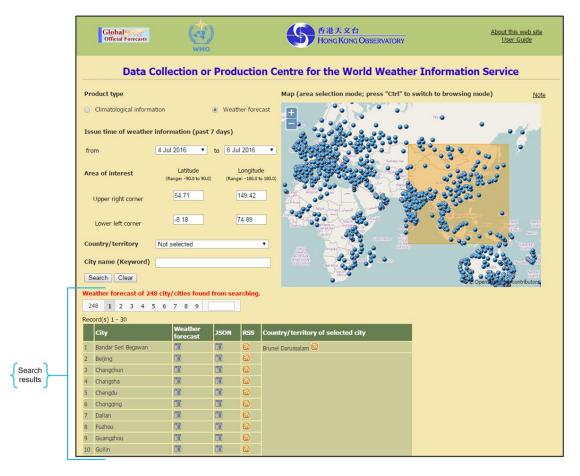


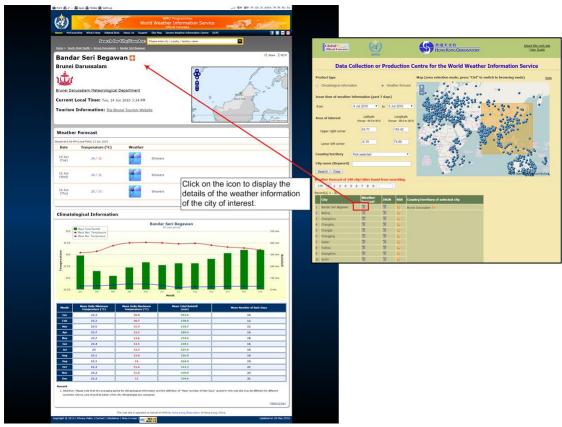
Search and access

Users can use the web-based graphical user interface to search the product catalog and browse the weather information therein. Detailed steps are given below.

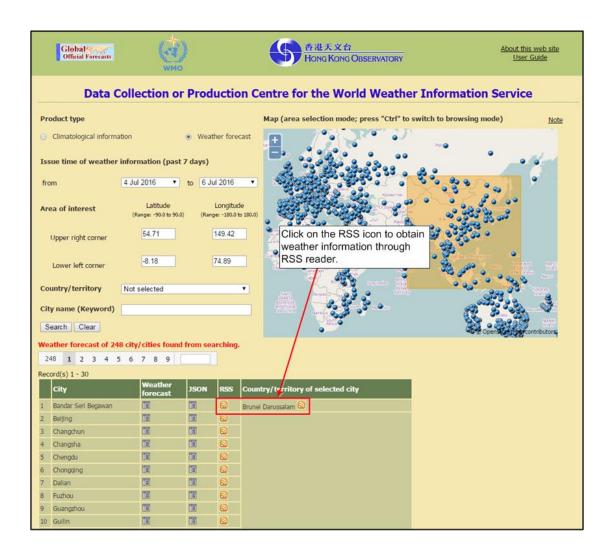


After entering the searching criteria, the search results are listed as shown in the figures below:





The weather information is also available in RSS document. The RSS document can be read using RSS reader.



For enquiry or feedback on the DCPC service, please contact Mr. Chan Sai-tick at email: dcpc@hko.gov.hk.

Prepared by Hong Kong Observatory September 2016