

THE NEIGHBORING SEAS OF KOREA SCHEMATIC MAPS OF SURFACE CURRENTS



Schematic Maps of Surface Currents

in the Neighboring Seas of Korea



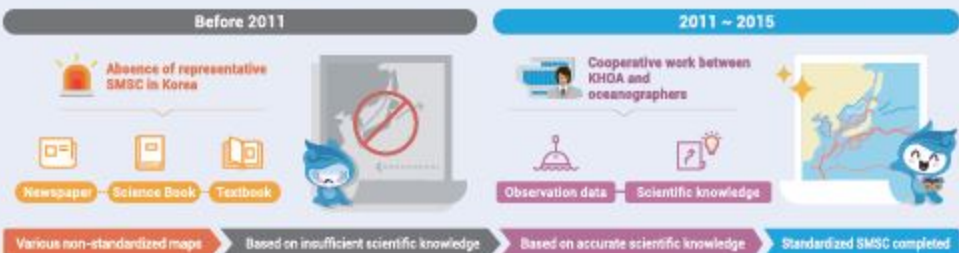
Ocean currents are important to weather and climate.

Currents represent the continuous movement of seawater that carries heat and salt around the oceans. They strongly affect the weather, climate and marine environment around Korea and in the northwest Pacific Ocean.



Why do we need standardized schematic maps of surface currents?

Before 2011, a range of different schematic maps were used to explain surface currents for various purposes. Such maps, displayed via diverse media (including in broadcasts, textbooks, and scientific journals), hindered people understanding the oceanic currents in a consistent manner. In order to convey scientifically accurate surface current information, the Korea Hydrographic and Oceanographic Agency (KHOA) has been working with ocean experts since 2011 to construct standardized 'Schematic Maps of Surface Currents (SMSC)' that accurately represent flows of seawater around Korea.



Who can use the new standardized schematic maps of surface currents?

Because the new maps can be used to help understand surface circulations in the seas around Korea, they are expected to be very useful for marine experts, maritime transport, school education, and the general public.



Where to access them?

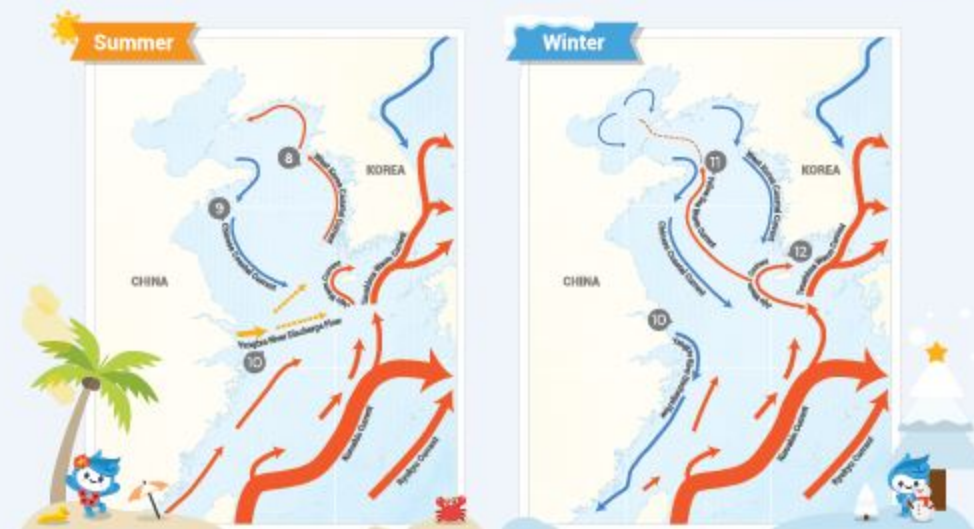
KHOA web site (http://www.khoa.go.kr/oceangrid/koofs/eng/seawf/sea_wflow.do)
Here you can access files containing the SMSC images and digitized current data.



Schematic Map of Surface Currents Simplified version for school education



Surface currents in summer and winter



Characteristics of major currents and flow around the Korean peninsula

