

A worldwide glacier information system to go

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In the forefront of the Paris Climate Conference COP21 in December 2015, the World Glacier Monitoring Service (WGMS) and UNESCO jointly launched a glacier application for mobile devices. This new information system aims at bringing scientifically sound facts and figures on worldwide glacier changes to decision makers at governmental and intergovernmental levels as well as reaching out to the interested public.

The wgms Glacier App provides a map interface based on satellite images that display all the observed glaciers in the user's proximity. Basic information is provided for each glacier, including photographs and general information on size and elevation. Graphs with observation data illustrate the glacier's development, along with information on latest principal investigators and their sponsoring agencies as well as detailed explanations of the measurement types. A text search allows the user to filter the glacier by name, country, region, measurement type and the current "health" status, i.e. if the glacier has gained or lost ice over the past decade. A compass shows the closest observed glaciers in all directions from the user's current position. Finally, the card game allows the user to compete against the computer on the best monitored glaciers in the world.

Our poster provides a visual entrance point to the wgms Glacier App and, hence, provides access to fluctuation series of more than 3'700 glaciers around the world.