

## Humid-dry environmental changes during the Holocene in Turkey, Syria, Jordan and Egypt

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Palaeo- environmental studies were done at lakes and marshes at Turkey, Syria, Jordan and Egypt. Diatom assemblages taken from drilling cores revealed the wet-dry circulations during the Holocene. We found the several epoch of climatic change events dated 8500BP, 6500BP, 4000BP, 2200BP and 1000 BP in these areas.

At the central Turkey, there were cool and humid events at 6500BP, 4000BP, 2200BP and 1000 BP. In contrast to central Turkey, the cool and humid event at 8500BP was dominated at north-east Syria.

In Egypt and Jordan, there were climatic events those were happened at same time. However, the humid-dry changes at those events were opposite to Turkey and Syria. It became from humid to dry environment at 8500BP in Jordan. There were dry events at 6500BP, 4000BP, 2200BP and 1000 BP in Egypt.