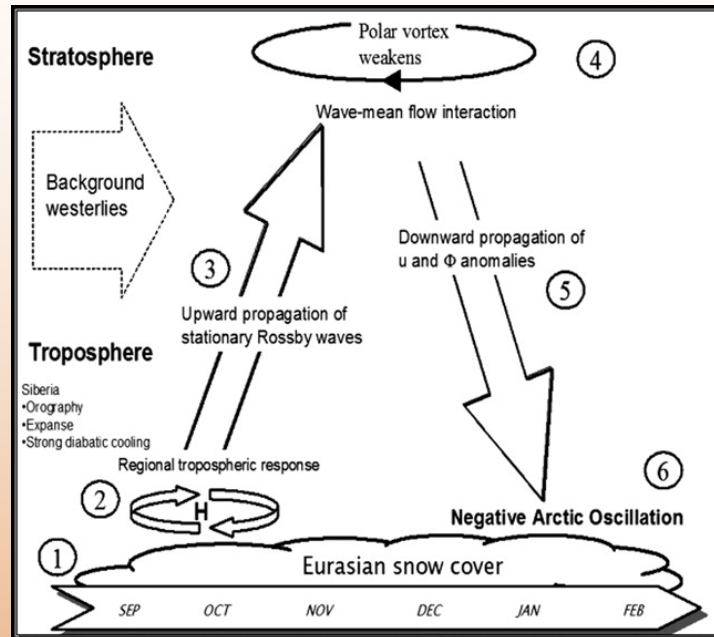


Impact of Autumn Snow Cover Anomalies on Following Winter Atmospheric Dynamics in Siberia

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Troposphere-Stratosphere-Troposphere Mechanism



Cohen J., Barlow M., Kushner P.J., Saito K. Stratosphere-troposphere coupling and links with Eurasian land-surface variability. // *J. Climate*. 2007. V. 20. P. 5335–5343.

GOAL

to assess the effect of positive snow cover anomalies, formed in October in Siberia, on the atmospheric conditions of this territory in the following winter.

Region

Siberia (Western Siberia): 50N-70N 60E-90E

Data

Observations (1975-2014):

snow cover area and depth – RIHMI-WDC

(<http://meteo.ru/it/178-aisori>)

2 m temperature – NOAA

(<ftp://ftp.cdc.noaa.gov/pub/data/g sod/>)

Arctic Oscillation Index – NOAA

Modeling data: INMCM4, INMCM5

(*Volodin E.M. et al., 2010; Volodin E.M., 2014*)

Results

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