

SEA ICE PREDICTION NETWORK (SIPN)
Template for Pan-Arctic Sea Ice Outlook Core Contributions
July Report

**Required*

1. *Contributor Name(s)/Group: Chunhua Li, Ming Li /National Marine Environmental Forecasting Center(NMEFC),China
2. *Type of Outlook projection
___model ___x_statistical ___heuristic
3. *September monthly average projection (in million square kilometers)
5.37(4.76-5.97)
4. *Short explanation of Outlook method (1-3 sentences)

A simple statistical model is used to predict monthly Arctic sea ice extent. The sea ice extent of September has a positive correlation with the extent of Jan. to Apr. in the same year, and has a good correlation with the extent of September of 3 years before. The multiple regression method and optimal climate normal method are combined to predict the sea ice extent of September.

5. Projection uncertainty/probability estimate (only required if available with the method you are using)
6. Short explanation/assessment of basis for the uncertainty estimate in #5 (1-2 sentences)
7. * "Executive summary" about your Outlook contribution
1-3 sentences, to be used in Outlook summary: say in a few sentences what your Outlook contribution is and why. To the extent possible, use non-technical language.

We used a simple statistic method to do the sea ice extent prediction. The sea ice extent of September has a good correlation with the sea ice extent of Jan to Apr of the same year and the extent of September 3 years ago. Combined the multiple regression method and optimal climate normal method, we derived the sea ice extent of September this year is 5.37 million square kilometers.