SEA ICE PREDICTION NETWORK (SIPN)
Template for Pan-Arctic Sea Ice Outlook Core Contributions
June 2015 Report

*REQUIRED

1. *Contributor Name(s)/Group – how you would like your contribution to be labeled in the report (e.g., Wiggins et al.)
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2. *"Executive summary" about your Outlook contribution (max 300 words)
   Say in a few sentences what your Outlook contribution is and why. To the extent possible, use non-technical language.
   We predict the September monthly average sea ice extent of Arctic by statistic method. Sea ice prediction data resources are from National Snow and Ice Data Center.

3. *Type of Outlook projection
   ___dynamic model _✓__statistical ___heuristic ____mixed or other: (specify)

If you use a model, please specify:
Model Name ____
Components of the model: Atmosphere__, Ocean__, Ice__, Land__,
For models lacking an atmosphere or ocean, please describe the forcing: ___

4. *September monthly average projection (extent in million square kilometers. To be consistent with the validating sea ice extent index from NSIDC, if possible please first compute the average concentration for the month and then compute the extent as the sum of area of all cells > 15%.)

   September monthly average sea ice extent: 5.48（4.97-5.98）

5. *Short explanation of Outlook method (max 300 words)
   In addition, we encourage you to submit a more detailed Outlook, including discussions of uncertainties/probabilities, including any relevant figures, imagery, and references.
   If this is a model contribution, please include method of method of initialization and variable used.

A simple statistical model is used to predict September monthly Arctic sea ice extent. The sea ice extent of September has a good correlation with the sea ice extent of Jan. to Apr. in the same year and the extent of September former 3 years. Combined the multiple regression method and optimal climate normal method, the sea ice extent of September predicted this year is 5.48 million square kilometers.

6. Projection uncertainty/probability estimate for September extent (only required if available with the method you are using)

7. Short explanation/assessment of basis for the uncertainty estimate in #6 (1-2 sentences)