

SEA ICE PREDICTION NETWORK (SIPN)

Template for Pan-Arctic Sea Ice Outlook Core Contributions July Report (Using June Data)

**Required*

1. *Contributor Name(s)/Group

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2. *Type of Outlook projection

___model ___statistical xheuristic

If you use a model, please specify:

Model Name _____

Components of the model: Atmosphere___, Ocean___, Ice___, Land___, Coupler___

For non-coupled model: Ice ____, Ocean___, Forcing___

3. *September monthly average projection (in million square kilometers)

An informal pool of 27 climate scientists in mid June 2014 estimates that the September 2014 ice extent will be 4.38 million sq. km.

4. *Short explanation of Outlook method (1-3 sentences)

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

The method is an informal inquiry of 27 climate scientists in mid June 2014. While some people used statistical analysis of observed sea ice trends and models to inform their estimate, most predictions were based on information provided by the organizer about recent sea ice conditions, lunch time discussions, and other heuristic methods.

5. Projection uncertainty/probability estimate (only required if available with the method you are using)

The standard deviation, min, and max of our guesses serve as our uncertainty estimate: stddev.=0.31 million sq. km, min.=3.91 million sq. km, max. = 5.01 million sq. km

6. Short explanation/assessment of basis for the uncertainty estimate in #5 (1-2 sentences)

The uncertainty estimate is based on the scatter in entries in our informal pool.

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.

An informal pool of 27 climate scientists in mid June 2014 estimates that the September 2014 ice extent will be 4.38 million sq. km. (stddev. 0.31, min. 3.91, max. 5.01). Since its inception 7 years ago, the NCAR/CU sea ice pool has been competitive with much more sophisticated prediction efforts based on statistical methods and physical models. We think it provides a useful benchmark and reality check for more formal Sea Ice Prediction efforts.