Instruction for Proceedings of International Symposium on Okhotsk Sea and Ice

- 1. The manuscript should be no longer than 4 pages, including figures and tables, in English.
- 2. In the template, the "manuscript style" is set in detail, but as a general rule. There is no problem even if the style is slightly different. Do not include page numbers and headers.
- 3. Proceedings will be printed in black and white, so please pay attention to the symbols and colors in the diagram, and take the font size into consideration when creating it.
- 4. Please prepare your manuscript in PDF format, and send it by email to us by January Tuesday, 13rd 2026.
- 5. Please use your name as the manuscript file name
- 6. The presentation title and author listed in the program will include the data of the final manuscript.
- 7. We will put a running title (abbreviation) in the header.
- 8. Presentation time is 20 minutes, including question & answer.

 However, in sessions with more presentations than planned, presentation time may be shortened.
- 9. Manuscript for proceedings will be made available online during the conference.

30 mm

Instruction for Proceedings of International Symposium on Okhotsk Sea and Ice

Relation between sea-ice variation in the Sea of Okhotsk and Arctic Oscillation

Title: Times New Roman, Bold-face, 14-point, and Center

18 mm

Charlie F. BROWN¹, Taro AOKI² and Kai MOMBETSU³

Author(s): 12-point font and center

Affiliation(s): Affiliation, City, State or Province, Country using an italic 10.5-point font (Left-justified with appropriate space, no postal code and no E-mail Address)

►2 character-space

Abstract (Head:11 pt., bold; Body text: 10.5 pt.)

A short abstract (50 to 100 words) in a single paragraph should be included here. The paragraph needs the space of 4 characters at left and right sides. In this sample paper, we describe the formatting guidelines for submissions to the Proceedings of the International Symposium on Okhotsk Sea & Sea Ice. For a simple way, download a template from the web, and insert your information to the template. (10.5-point font)

Key words: sea ice, global warming, Arctic Oscillation (Head: 11 pt., words: 10.5-pt. font) List up 3 to 5 keywords for library indexing and online searching.

1. Introduction

The body of the paper begins with the Introduction. Following the Introduction, a typical text should be organized into sections that describe the **method**, the **observation data**, the **result and discussion**, and the **conclusions.** Acknowledgments (where applicable) and **references** follow the Conclusions.

A conference paper should not exceed 4 pages.

2. Formattng

2.1 Text Style

Text must be single-spaced using a Times New Roman font, or Time. The fonts are as follows:

Title: 14-point, Bold

Author (s): 12-point with affiliation number1 (Superscript)

(See the example)

Affiliation(s): 10-point, Italic

Use a 14-point font for the Title, a 12-point font for Author Name(s), an italic 10-point font for Affiliation(s), a 11-point font for all Section and Subsection Heads, and a 10.5-point font for all body text. Text in the columns must be full justified.

2.2 Paper Title

The paper title with Times Roman or Times New Roman, bold-faced in 14-point font should be centered in upper and lower case at the location shown and two lines may be used.

2.3 Author Name(s)

Author names in 12 point font should consist of first name, middle name and the last name with superscript

number of affiliation, and centered.

2.4 Affiliation(s)

The numbered Affiliation(s) should be left-justified with proper spaces (5-15) using an italic 10-point font. Do not include street address, postal code, email or fax numbers.

3. Chapter and section

Headings and subheadings appear throughout the text to divide the subject matter into logical parts and emphasize major elements. Numbering can be used for Chapter (1, 2, ...) and Section (1.1, 1.2, ...). Only initial of the title is in capital letter and others are in small letters except proper nouns (palace, human, some abbreviation like SAR etc.), as "3. Observations in the Sea of Okhotsk".

3.1 Chapter Heads

Chapter heads should be in upright bold 11pt font, as "1. Introduction".

3.2 Section heads

Section Heads should be in *italic* Bold 11pt font, as "2.1 Observations in the Sea of Okhotsk".

3.3 Last page

The two columns on the last page should be as close to equal length as possible, which is usually done by MS-Word.

25 mm

¹ Geophysical Institute, University of Alaska, Alaska, USA

² Institute of Low Temperature Science, Hokkaido University, Sapporo, Japan

³ Mombetsu Oceanography Institute, Mombetsu, Japan

4. Tables and figures

4.1 Tables

Table format is as shown here. Tables should be numbered consecutively. When referring to a table, use table numbers as Table 1, Tables 2~3,....

Table 1. Margins of pages. This instruction is in this form.

	Left Column	Right Column				
Top margin	30 mm*					
Side	18 mm from left	18 mm from				
margin	edge	right edge				
Column	19.55 characters	19.55 characters				
width	19.33 Characters	19.33 Characters				
Space of	1.77 characters					
columns						
Bottom	25 mm					
margin						

^{*}The unit should use SI unit in principle.

4.2 Equations

Equations are to be numbered. When referring in a sentence, refer them as "Eq. 1" or "Eqs. 5-7". When referring at sentence head, refer as "Equation 1".

$$Q_{\rm M} = (1-a) I + Q_{\rm RL} + Q_{\rm A} + Q_{\rm E} + Q_{\rm P} + Q_{\rm G}$$
 (1)

$$Q_{\rm E} = k_{\rm E} V_1 (T_1 - T_0) \tag{2}$$

(The variables use *italic* type, and the additional characters and figures use solid type as $Q_{\rm M}$.)

4.3 Figures

Number figures consecutively and use the figure number. When referring them in a text sentence, refer them as "Fig. 1" or "Figs. 2~3". When referring at sentence head, refer as "Figure 1". Figures must have a caption as below.

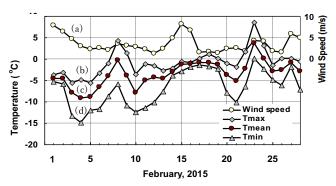


Fig. 1 Meteorological conditions of Mombetsu on February, 2015. (a) is daily mean wind speed. (b), (c) and (d) are daily maximum, mean, minimum temperatures respectively.

(10-point font)

In a printed Proceedings, graphics will be in **black and** white, but they will be in color on web site. Please be aware of the quality of your figures, illustrations, and photos.

5. Conclusions

A summary of your research results should be included in this section toward the end of the paper.

Acknowledgements

Acknowledgements may be made to those individuals or institutions that made an important contribution.

References

References to original (not secondary) sources for cited material is to be listed together at the end of the paper. References should be published materials accessible to the public. Internal technical reports may be cited only if they are easily accessible to the public. Private communications should be acknowledged within text, not referenced.

List of References shall be arranged in alphabetical order of family name of the first- author for articles with more than one author.

For more than 4 authors, the authors should be presented as "Vuille, M. and 6 others (2008)", which should be referred as (Vuille and others, 2008).

Journals, conference proceedings and titles of books, should be in italics.

References (Examples are:)

Aota, M. (1999): Long-term tendencies of sea ice concentration and air temperature in the Okhotsk Sea coast of Hokkaido. *PICES Sci. Rep.*, **12**, 1–2.

Kim, CH (2008): Nonlinear Waves and Offshore Structures, World Scientific, 516 pp.

Fukamachi, Y., G. Mizuta and 4 others (2004): Transport and modification processes of dense shelf water revealed by long-term moorings off Sakhalin in the Sea of Okhotsk. *J. Geophys. Res.* **109**: C09S10, doi:10.1029/2003/JC001906.

Kawamura, K., F. Parennin and 16 others (2007): Northern hemisphere forcing of climatic cycles in Antarctica over the past 360,000 years. *Nature*, 448, 912-916.

Ohshima, K.I., T. Watanabe and S. Nihashi (2003): Surface heat budget of the Sea of Okhotsk during 1987–2001 and the role of sea ice on it. *J. Meteorol. Soc. Jpn.*, **81**, 653-677.

Okubo, A (2007): "A Comparative Study of Application of Ecosystem Approach to Marine Living Resource Management and it Implications for Japan", *J. Ocean Policy Studies*, Ocean Policy Research Foundation, Tokyo, 1-19.

Takahashi, S., T. Kosugi and A. Hori (2010): Sea-ice extent variations along the Okhotsk coast of Hokkaido and Shiretoko Peninsula's 'Dam Effect' against sea ice flow. *Proc. 25th Intnatl. Symp. on Okhotsk Sea & Sea Ice, Mombetsu, Japan*, **25**, 25–28.

Taniguchi, A (2013): "Why marine mammals are abundant in the northern cold waters; Marine ecological basis of the sustainability of the northern Hunter-Gatherer". Proc. 28th Intnatl. Symp. on Okhotsk Sea & Sea Ice, Mombetsu, Japan, 28, 83-85. The Japanese Society of Snow and Ice (2005): "Encyclopedia of snow and ice (in Japanese)", Asakura Publishing, Tokyo, 760pp. Vuille, M. and 6 others (2008): Climate change and tropical Andean glaciers: past, present and future. Earth-Sci. Rev., 89

Weeks, W. F., and S. F. Ackley (1982): The growth, structure, and properties of sea ice. *CRREL Monograph*, **82-1**, U. S. Army Cold Research and Engineering Laboratory, Hanover, N. H., 129 pp.

(For many authors, use "and 16 others" to shorten and to know authors number. Journal name is in italics.)

Summary in Japanese

Japanese author(s) is better to add a summary in Japanese at the end of the paper as following example.

It is okay if you do not include an abstract in Japanese. (If possible)

Summary in Japanese

1760 年前後のオランダ捕鯨船による北極域の 気象学的・地理学的観測

Gaston R. DEMARÉE¹, 田上善夫², Pascal MAILIER¹, Astrid E. J. OGILVIE^{3,4}, 三上岳彦⁵

「ベルギー王立気象研究所,²富山大学, ³ステファンソン北極研究所,⁴コロラド大学ボルダー校, ⁵首都大学東京

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Template 1a: for numbered-chapter type.

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Snowstorm countermeasures for highways in Hokkaido - Snowbreak forest in Okhotsk Area -

Toshikazu SAWAMATSU¹, Hiroki YUASA¹, Hideki HONDA², Yoshinori KAWASHIMA³, Masaru MATSUZAWA⁴ and Shuhei TAKAHASHI⁵

¹ Abashiri Development	and	Construction	Department,	Hokkaido	Regional	Development	Bureau,
MLIT, Abashiri, Japan							

Abstract

Key words: road, snowstorm countermeasure, snowbreak forest, snowstorm, traffic hindrance

1. Introduction

Hokkaido is designated as a snowy cold region, and the Okhotsk Area has particularly severe weather in winter. In recent years, snowstorm frequency has been increasing, as have snowstorm disruptions. During snowstorms, many cars become stranded,

2. Snowstorm damage in the Okhotsk area 2.1 Storm paths over Hokkaido

Low-pressure systems that bring heavy snowfall and snowstorms to Hokkaido have various characteristics, depending on their paths (Fukamachi and others, 2004).

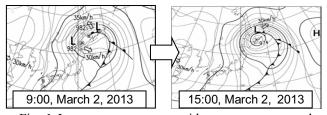


Fig. 1 Low-pressure system with two centers near the Okhotsk District

2.2 Snowstorms and road traffic hindrances in Okhotsk area

Roads in Eastern Hokkaido are frequently closed due to blowing snow. on national highways in Hokkaido (Kawamura and others, 2007; Takahashi and Kosugi, 2010).

5. Conclusion

This paper has explained road traffic disruption in the Okhotsk Area, which has particularly......

References

Fukamachi, Y., G. Mizuta and 4 others (2004): Transport and modification processes of dense shelf water revealed by long-term moorings off Sakhalin in the Sea of Okhotsk. *J. Geophys. Res.* **109**: C09S10, doi:10.1029/2003/JC001906.

Ohshima, K.I., T. Watanabe and S. Nihashi (2003): Surface heat budget of the Sea of Okhotsk during 1987-2001 and the role of sea ice on it. *J. Meteorol. Soc. Jpn.*, **81**, 653-677.

Kawamura, K., F. Parennin and 16 others (2007): Northern hemisphere forcing of climatic cycles in Antarctica over the past 360,000 years. *Nature*, 448, 912-916.

Takahashi, S. and T. Kosugi (2010): Sea-ice extent variations along the Okhotsk coast of Hokkaido and Shiretoko Peninsula's 'Dam Effect' against sea ice flow. *Proc. 25th Intnatl. Symp. on Okhotsk Sea & Sea Ice, Mombetsu, Japan*, **25**, 25-28.

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(If possible)
Summary in Japanese
(Title)
(Author ¹ , Author ² , Author ³)
(¹ Affiliation, ² Affiliation, ³ Affiliation,)
(Abstract)
Correspondence person's name and mail address

Correspondence to: G. R. Demarée, xxxxx@yyyyy.zz

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²Koken Engineering Co., Ltd., Sapporo, Japan

³Docon Co., Ltd., Sapporo, Hokkaido, Japan

⁴Civil Engineering Research Institute for Cold Region, Sapporo, Japan

⁵Kitami Institute of Technology, Hokkaido, Japan

Template 1b: for un-numbered chapter type. Please assume the Proceedings will be opened on HP in the future. (Delete this text-box when submission)

Snowstorm countermeasures for highways in Hokkaido - Snowbreak forest in Okhotsk Area -

Toshikazu SAWAMATSU¹, Hiroki YUASA¹, Hideki HONDA², Yoshinori KAWASHIMA³, Masaru MATSUZAWA⁴ and Shuhei TAKAHASHI⁵

Wasaru WATSOZAWA C	and Shuner Thichthastin						
¹ Abashiri Development and Construction Department, Hokkaido Regional Development Bureau, MLIT, Abashiri, Japan ² Koken Engineering Co., Ltd., Sapporo, Japan ³ Docon Co., Ltd., Sapporo, Hokkaido, Japan ⁴ Civil Engineering Research Institute for Cold Region, Sapporo, Japan ⁵ Kitami Institute of Technology, Hokkaido, Japan							
Abstract							
Recently, snowstorms have become extremely see	vere in the Okhotsk Area of Hokkaido, Japan. They						
have							
and by the Civil Engineerin	ig Research Institute for Cold Region.						
Key words: road, snowstorm countermeasure, snowl	break forest, snowstorm, traffic hindrance						
Introduction	Conclusion						
Hokkaido is designated as a snowy cold region, and	This paper has explained road traffic disruption in the						
the Okhotsk Area has particularly severe weather in	Okhotsk Area, which has particularly						
winter. In recent years, snowstorm frequency has been							
increasing, as have snowstorm disruptions. During	References						
snowstorms, many cars become stranded	Fukamachi, Y., G. Mizuta and 4 others (2004): Transport and modification processes of dense shelf water revealed by long-						
Snowstorm damage in the Okhotsk area	term moorings off Sakhalin in the Sea of Okhotsk. <i>J. Geophys. Res.</i> 109 : C09S10, doi:10.1029/2003/JC001906.						
a) Storm paths over Hokkaido	Ohshima, K.I., T. Watanabe and S. Nihashi (2003): Surface heat						
Low-pressure systems that bring heavy snowfall and	budget of the Sea of Okhotsk during 1987-2001 and the role						
snowstorms to Hokkaido have various characteristics,	of sea ice on it. J. Meteorol. Soc. Jpn., 81 , 653-677.						
depending on their paths (Fukamachi and others, 2004).	Kawamura, K., F. Parennin and 16 others (2007): Northern						
There are three major types of low-pressure systems:	hemisphere forcing of climatic cycles in Antarctica over the past 360,000 years. <i>Nature</i> , 448 , 912-916.						
1) a low-pressure system over	Takahashi, S. and T. Kosugi (2010): Sea-ice extent variations						
the Pacific Ocean as shown in Fig. 1	along the Okhotsk coast of Hokkaido and Shiretoko						
35 km/h 98: 15 L	Peninsula's 'Dam Effect' against sea ice flow. <i>Proc. 25th Intnatl. Symp. on Okhotsk Sea & Sea Ice, Mombetsu, Japan</i> , 25 , 25-28.						
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9:00, March 2, 2013 15:00, March 2, 2013	Summary in Japanese						
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Fig. 1 Low-pressure system with two centers near the Okhotsk District	(Author ¹ , Author ² , Author ³)						
b) Snowstorms and road traffic hindrances in	(Abstract)						
Okhotsk area							
Roads in Eastern Hokkaido are frequently closed due							
to blowing snow on national highways in							

Kosugi, 2010).....

Hokkaido (Kawamura and others, 2007; Takahashi and

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Correspondence person's name and mail address.

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Template 2: for short version abstract (1-2pages).

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Snowstorm countermeasures for highways in Hokkaido - Snowbreak forest in Okhotsk Area -

Toshikazu SAWAMATSU¹, Hiroki YUASA¹, Hideki HONDA², Yoshinori KAWASHIMA³, Masaru MATSUZAWA⁴ and Shuhei TAKAHASHI⁵

¹Abashiri Development and Construction Department, Hokkaido Regional Development Bureau,

MLIT, Abashiri, Japan ² Koken Engineering Co., Ltd., Sapporo, Japan ³ Docon Co., Ltd., Sapporo, Hokkaido, Japan ⁴ Civil Engineering Research Institute for Cold R. ⁵ Kitami Institute of Technology, Hokkaido, Japan					
ABSTRACT					
Introduction Hokkaido is designated as a snowy cold region, and the Okhotsk Area has particularly severe weather in winter. In recent years,					
Observation method Low-pressure systems that bring heavy snowfall and snowstorms to Hokkaido have various characteristics, depending on their paths (Kawamura and others, 2007). There are three major types of low-pressure systems: 1) a low-pressure system Observation area is shown in Fig. 1 (Takahashi and Kosugi, 2010).	References Kawamura, K., F. Parennin and 16 others (2007): Northern hemisphere forcing of climatic cycles in Antarctica over the past 360,000 years. <i>Nature</i> , 448, 912-916. Takahashi, S. and T. Kosugi (2010): Sea-ice extent variations along the Okhotsk coast of Hokkaido and Shiretoko Peninsula's 'Dam Effect' against sea ice flow. <i>Proc. 25th Intnatl. Symp. on Okhotsk Sea & Sea Ice</i> , Mombetsu, Japan, 25, 25-28.				
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	Summary in Japanese				
	1760 年前後のオランダ捕鯨船による 北極域の気象学的・地理学的観測				
	Gaston DEMARÉE ¹ , 田上善夫 ² , Pascal MAILIER ¹ , Astrid E. J. OGILVIE ^{3,4} , 三上岳彦 ⁵ ¹ ベルギー王立気象研究所, ² 富山大学, ³ ステファンソン北極研究所, ⁴ コロラド大学ボルダー校, ⁵ 首都大学東京				
Map of observation area (or observation scenery and so on)	捕鯨とニシン漁業は、オランダ黄金時代(1600-1800)の主要な経済活動の担い手であった。				
Fig. 1 Map of observation area.	Correspondence person's name and mail address.				
Results This paper has explained road traffic disruption in the	Correspondence to: G. R. Demarée, xxxxx@yyyyy.zz				

Okhotsk Area, which has particularly.....

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