



**XXIVth World
Road Congress
Mexico 2011**
Mexico City 2011.

Snow and Ice Databook - 2010

Richard Charpentier, Eng.

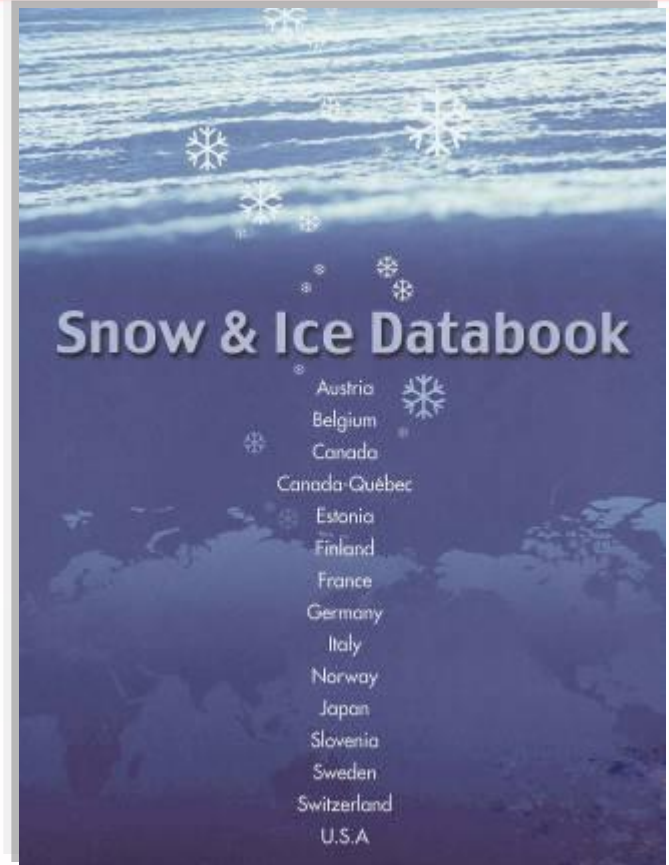
- Ministère des Transports du Québec
- Director, Chaudière-Appalaches Region
- Richard.Charpentier@mtq.gouv.qc.ca

- The *Snow and Ice Databook* is a valuable reference tool covering the field of winter road services.
- It contains contributions from the 25 member countries of the international Technical Committee B5 on Winter Service.
- This is the 3rd edition.



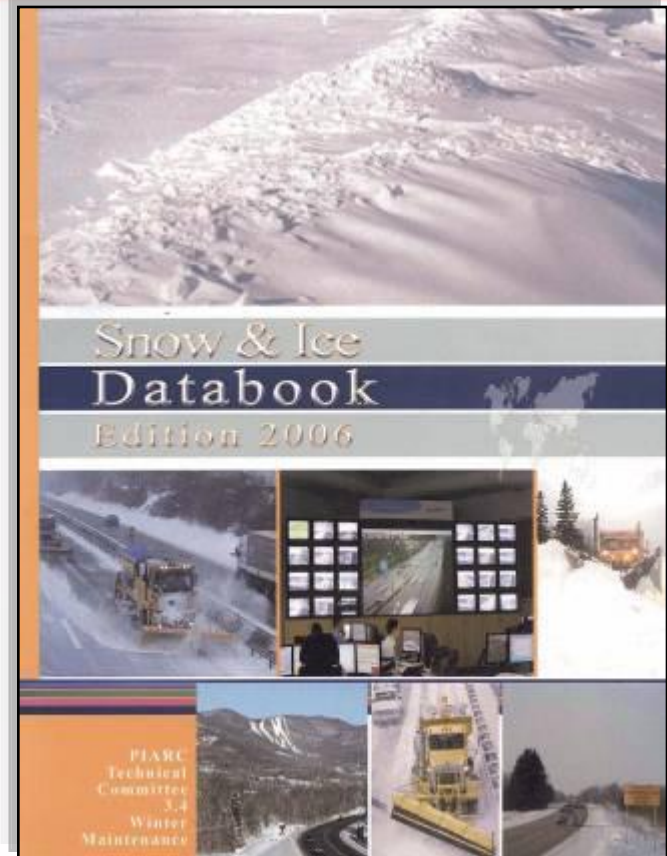
REMINDER – 1st EDITION OF SIDB (2002)

- Initiative of the Organizing Committee of the XIth International Winter Road Congress in Sapporo, Japan, 2002.
- Objective: support and facilitate exchange of experience between experts in the field of winter service.
- 15 countries catalogued.



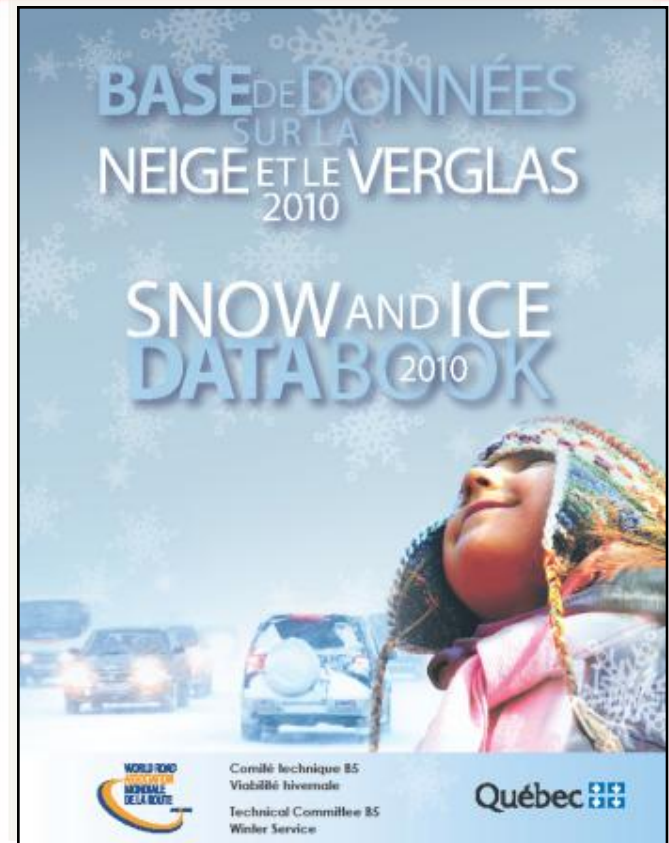
REMINDER – 2nd EDITION OF SIDB (2006)

- Piloted by the Technical Committee (CT3.4) at the XIIth International World Road Congress in Turin, Italy.
- Maintained established objectives.
- Organized information according to a clearly defined structure and themes.
- 22 countries catalogued.



SNOW AND ICE DATABOOK – 2010 EDITION

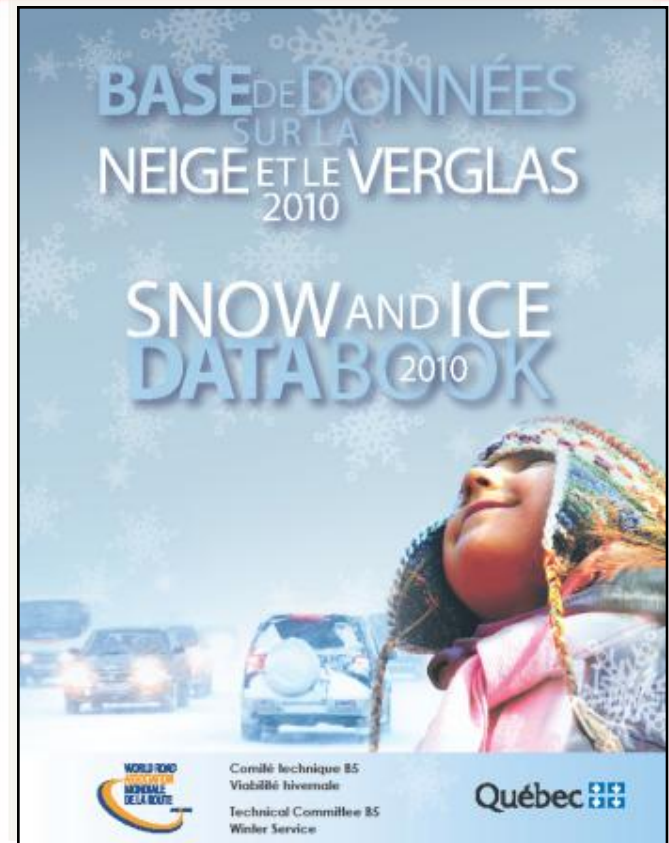
- Responsibility of Technical Committee B5.
- Ministère des Transports du Québec coordinated revision work.
- Updates content of existing edition (2006).
- 3 new contributions.



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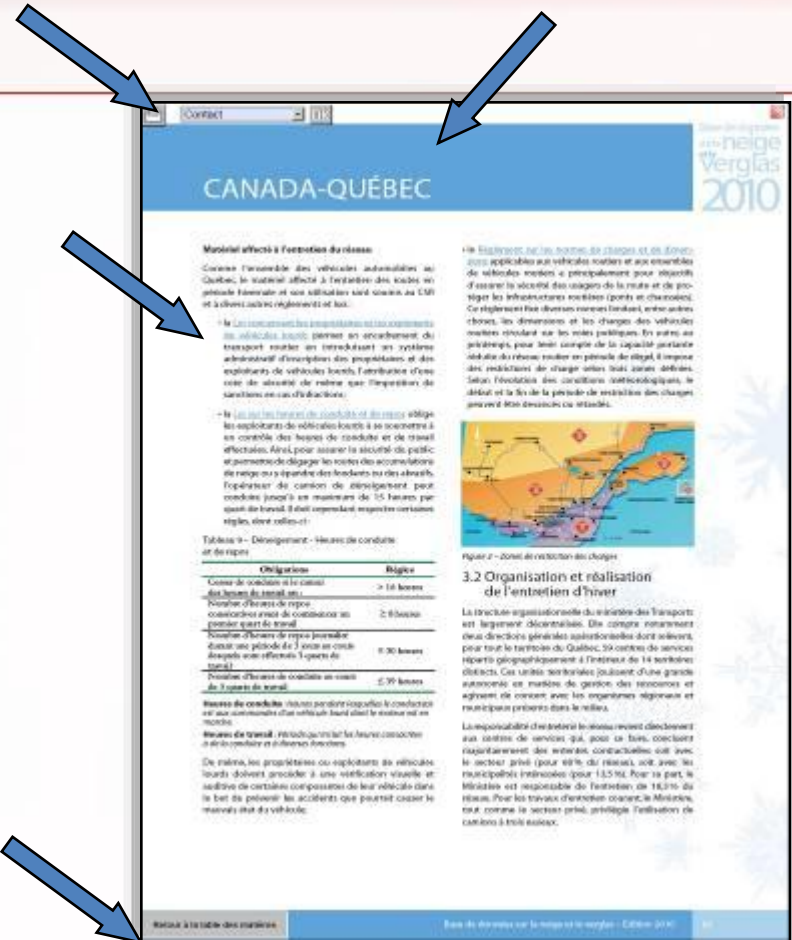
Guidelines

- Respects existing themes and guidelines (B5).
- Coherence in texts and technical content.
- Relevant, understandable data.
- Translation of texts.
- Document publishing.



SNOW AND ICE DATABOOK – 2010 EDITION

- Document in electronic format only (CD-ROM).
- 25 bilingual national reports.
- Interactive document
 - Print function
 - Hyperlinks
 - Browsing
 - Communication with authors (contacts).



SNOW AND ICE DATABOOK – 2010 EDITION

- Document in electronic format only (**PDF**).
- 25 bilingual national reports.
- Interactive document
 - Print function
 - Hyperlinks
 - Browsing
 - Communication with authors (**list of contacts**).



SNOW AND ICE DATABOOK – 2010 EDITION

Each report covers 4 main themes

1. Demographics and roads
2. Climate
3. Winter road management
4. On-going research and studies to improve winter management

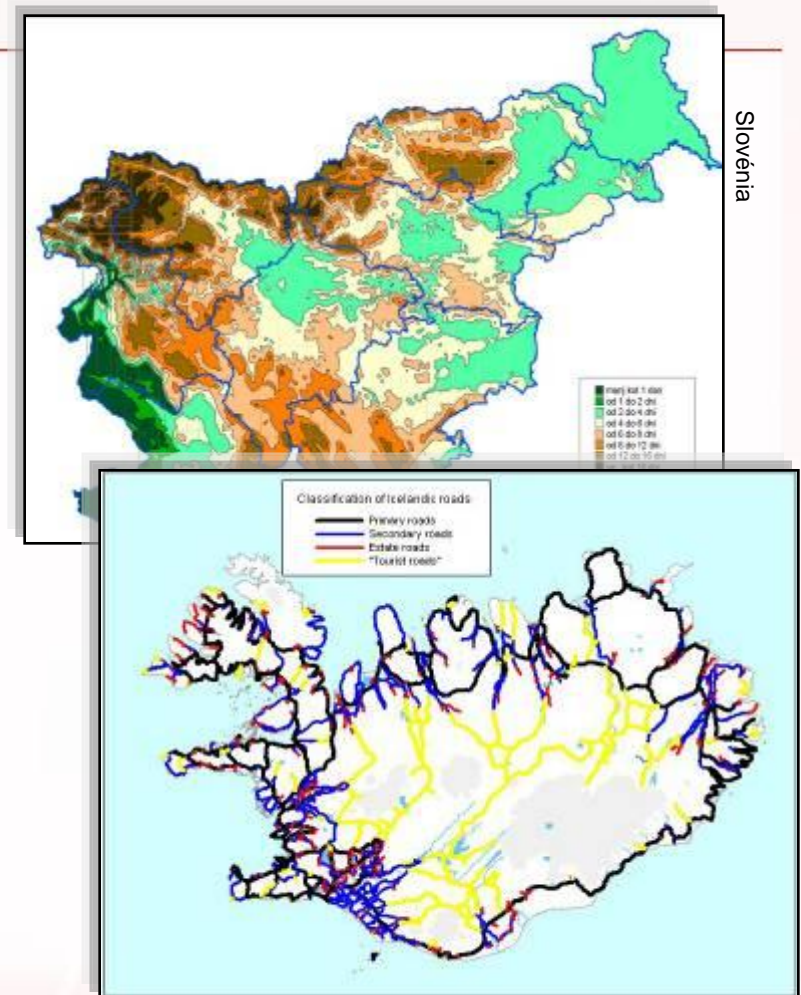
References (Internet links, etc.)



SNOW AND ICE DATABOOK – 2010 EDITION

Theme 1

- Demographics and roads
 - Population
 - Geographic location
 - Parliamentary institution
 - Economy
 - Road network (road types and lengths)



Slovenia

Iceland



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Theme 2

- Climate

- Temperature
- Precipitation
- Weather events
- Winter indexes used



Canada-Québec



Canada-Québec



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Theme 3

- Winter road management
 - Standards and rules applicable
 - Standards
 - + products and equipment
 - + labour
 - Environment
 - Level of service



Germany



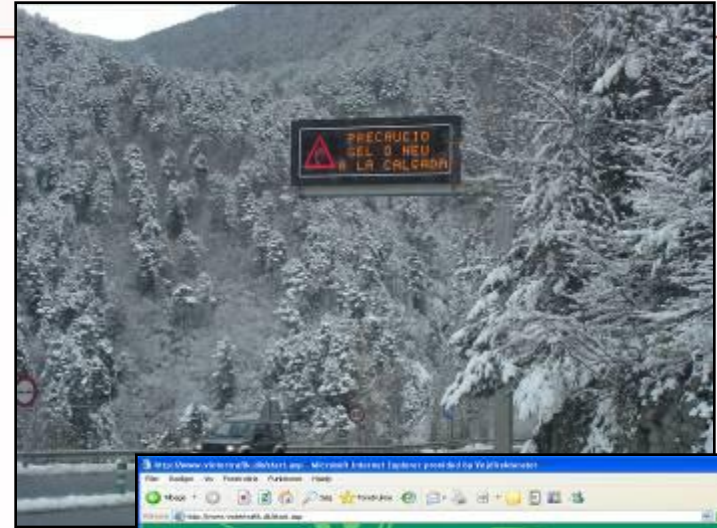
Netherlands



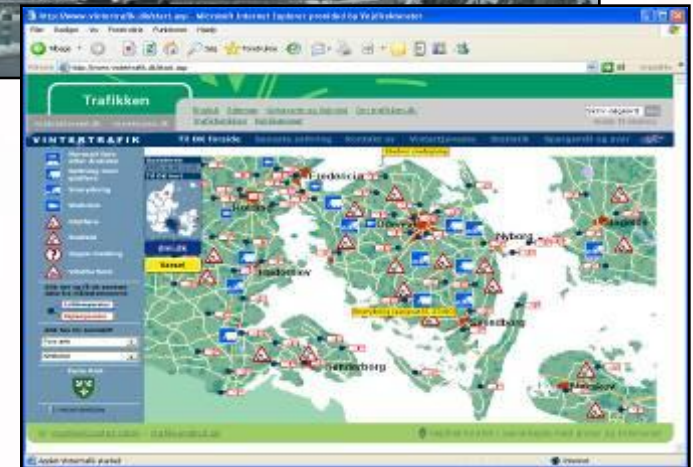
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Theme 3 (cont'd)

- Winter road management
 - Organization and operation of winter maintenance
 - Public-private partnership
 - Evaluation of winter maintenance measures implemented
 - Road user safety and information provision



Andorra



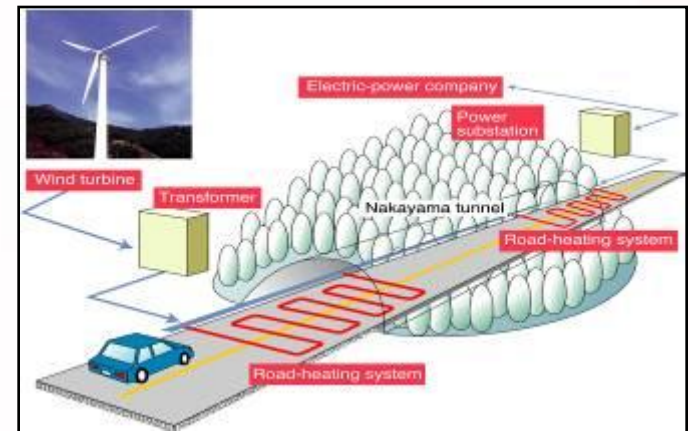
Austria



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Theme 4

- On-going research and studies
 - New technology
 - New management and organization approaches



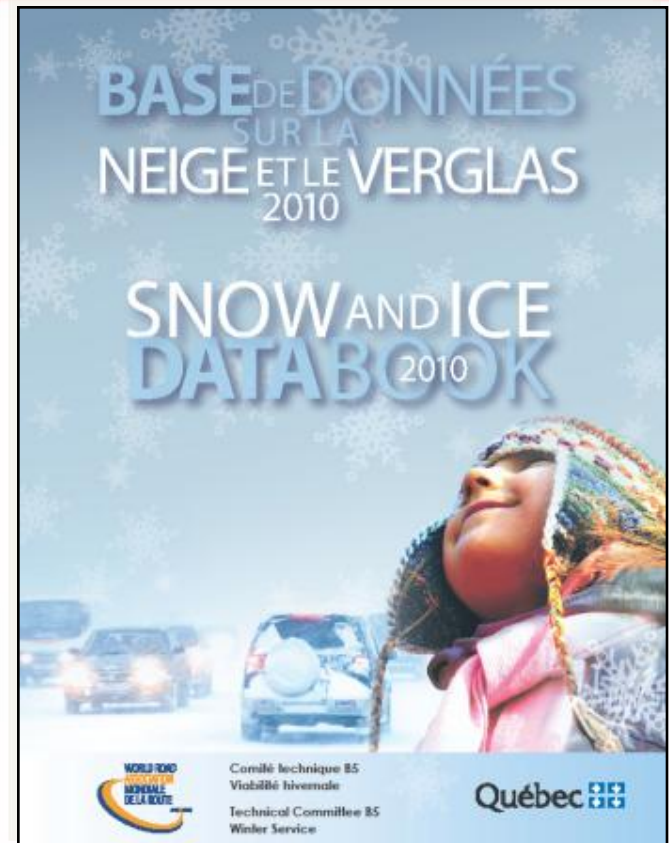
Japan



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Acknowledgements

- Technical Committee B5 members.
- Technical Committee B5 Anglophone and Francophone secretaries.
- Ministère des Transports du Québec personnel .



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Thank you
and enjoy the
rest of the
Congress

