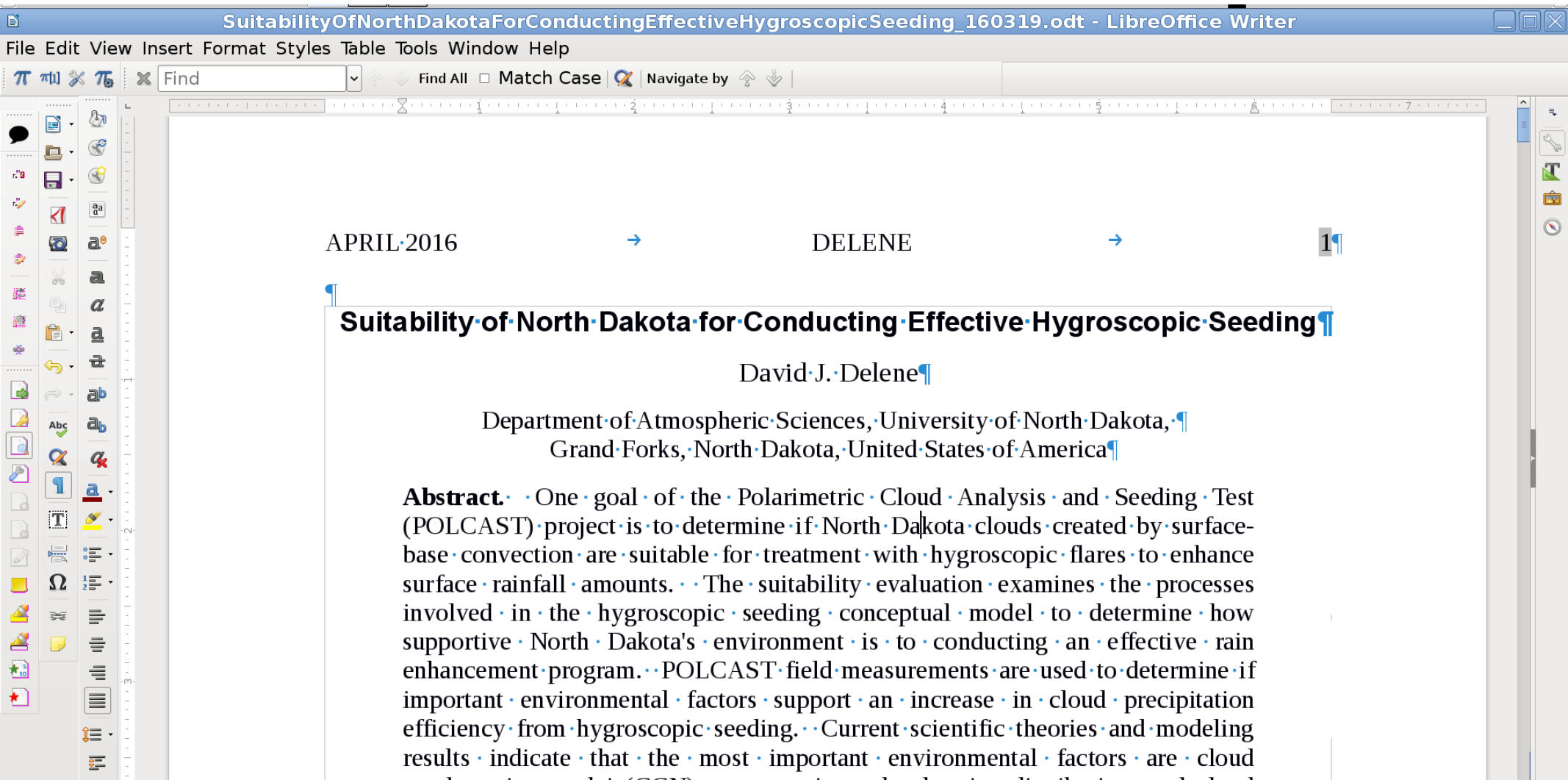


Scientific Research (Useful Software Tools)



David Delene (<http://aerosol.atmos.und.edu/>)
Department of Atmospheric Sciences
University of North Dakota

Software Tool for Literature Research

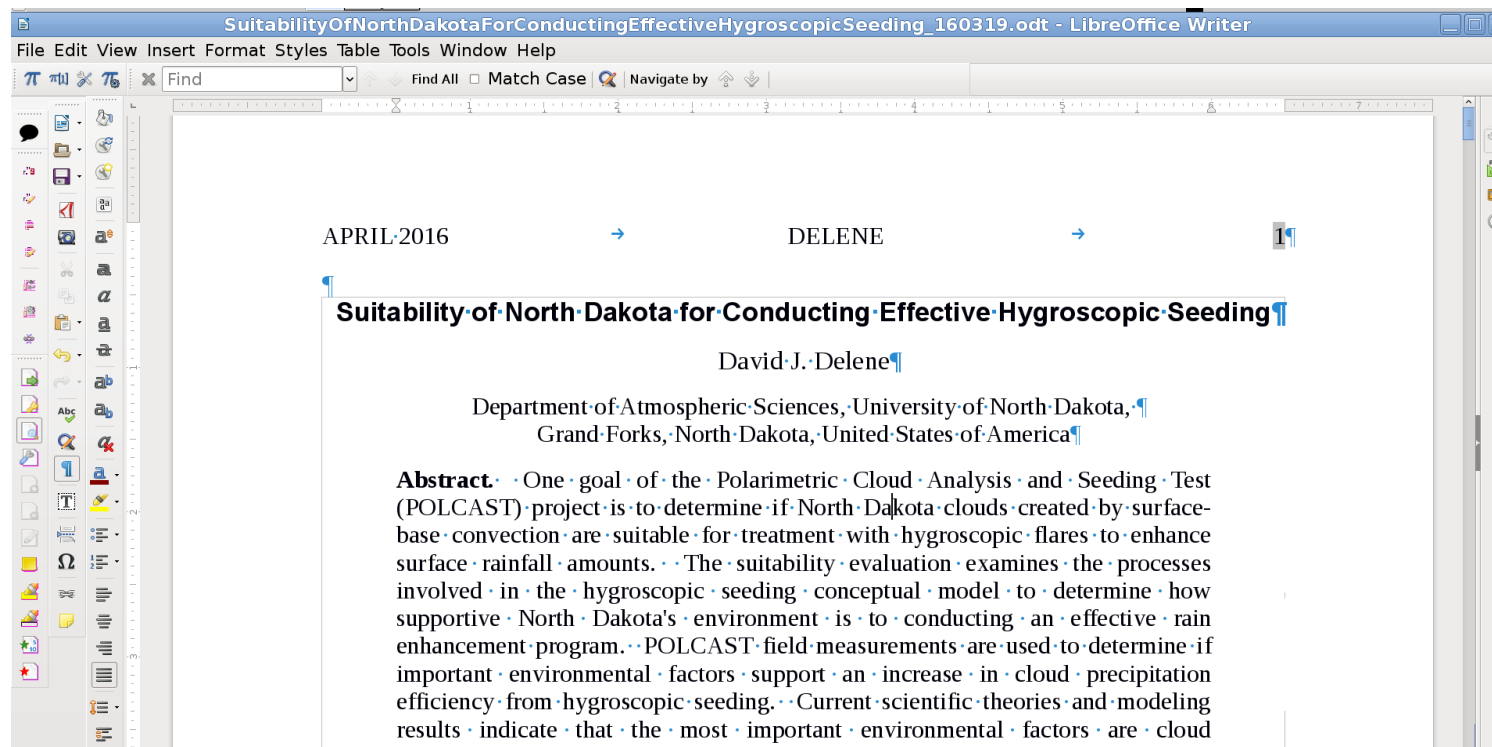
- Article Search
 - Google Scholar (<https://scholar.google.com/ncr>)
- Reference Manager
 - [Zotero](#) (Wrote 15 % of the Delene 2016 Paper)
- PDF Reader
 - [Foxit](#) (Highlight and Add Notes)
- Word Processor ([Article Guide](#))
 - [Libreoffice](#) (Open Document Format, odt)
 - Paragraph Styles
 - Figures
 - Anchor as Character (Move with Text)
 - Cross Referencing Figure Number
 - Text Read Out Loud

Tools: Setup and Learning

- Install (Personal Computers)
 - Zotero
 - Foxit
 - Libreoffice
 - Text Read Out Loud
- Accounts
 - Zotero
- Start using the Totals
 - Test One Article
 - Search – Google Scholar
 - Article into Zotero (Setup AMS style)
 - Paragraph in Document (Read it Out Loud)
 - Citation Entry

Tools: Full Example

- Article using Zotero
 - Delene, D. J., Suitability of North Dakota for Conducting Effective Hygroscopic Seeding, Journal of Weather Modification, 48, 43-67, 2016, URL: <http://www.weathermodification.org/publications/index.php/JWM/article/view/549>. [ODT]



Software Tool for Network Computing

- Formal Web Page Creation
 - Sea Monkey Composer (<http://aerosol.atmos.und.edu>)
- Quick Web Page Documentation
 - Wiki (<http://atmoswiki.aero.und.edu/atmos/home>)
- Network Access
 - VPN – Virtual Private Network
- Remote Access
 - ssh / tmux – ssh thunder.und.edu, delene2thunder 1
 - VNC – Virtual Network Computing
- Automatic Backup
 - Rsync – Remote File Copying (rsync_local2plume)
- Software Repositories ([Examples](#))
 - Sourceforge / Github

Conclusion

- Web Information
 - Home Page (<http://aerosol.atmos.und.edu>)
 - Wiki (<http://atmoswiki.aero.und.edu/atmos/home>)
- People
 - Faculty
 - Students

