

### Použité zdroje

- Alley, N. F., Hore, S. B., Frakes, L. A., 2020. Glaciations at high-latitude Southern Australia during the Early Cretaceous. – *Australian Journal of Earth Sciences* 67, 1045–1095. doi.org/10.1080/08120099.2019.1590457
- Barnet, J. S. K., Steiner, B. M., 2021. Unravelling the complex geological evolution of one of Earth's final remaining frontiers: East Siberia. *Geological Today* 37, 1, 12–17. doi.org/10.1111/gto.12336
- Bennett, M. R., Doyle, P., Mather, A. E., 1996. Dropstones: their origin and significance. – *Palaeogeography, Palaeoclimatology, Palaeoecology* 121, 331–339. doi.org/10.1016/0031-0182(95)00071-2
- Buchan, K. L., Ernst, R. E., 2018. A giant circumferential dyke swarm associated with the High Arctic Large Igneous Province (HALIP). – *Gondwana Research* 58, 39–57. doi.org/10.1016/j.gr.2018.02.006
- Burgess, S. D., Black, B. A., 2025. The Anatomy and Lethality of the Siberian Traps Large Igneous Province. – *Annual Review of Earth and Planetary Sciences* 53, 567–594. doi.org/10.1146/annurev-earth-040722-105544
- Cleal, C. J., Thomas, B. A., 1991. Carboniferous and Permian palaeogeography. In: Cleal, C. J. (ed.). *Plant Fossils in Geological Investigation: The Palaeozoic*, 154–180, Ellis Horwood.
- Clifton, A. J., 2012. *The Eocene flora of Svalbard and its climatic significance*. The University of Leeds.
- Collinson, M. E., Hooker, J. J., 2003. Paleogene vegetation of Eurasia: framework for mammalian faunas. – *Deinsea* 10, 41–83.
- Cooks, L. R. M., Torsvik, T. H., 2007. Siberia, the wandering northern terrane, and its changing geography through the Palaeozoic. – *Earth-Science Reviews* 82, 29–74. doi.org/10.1016/j.earscirev.2007.02.001
- Davydov, V. I., Karasev, E. V., 2021. The Influence of the Permian-Triassic Magmatism in the Tunguska Basin, Siberia, on the Regional Floristic Biota of the Permian-Triassic Transition in the Region. – *Frontiers in Earth Science* 9, 1–12. doi.org/10.3389/feart.2021.635179
- Dobruskina, I. A., 1987. Phytogeography of Eurasia during the Early Triassic. – *Palaeogeography, Palaeoclimatology, Palaeoecology* 58, 75–86. doi.org/10.1016/0031-0182(87)90007-1
- Dromart, G., Garcia, J.-P., Picard, S., Atrops, F., Lécuyer, C., Sheppard, S. M. F., 2003. Ice age at the Middle–Late Jurassic transition? – *Earth and Planetary Science Letters* 213, 205–220. doi:10.1016/S0012-821X(03)00287-5
- Eberle, J.J., von Koenigswald, W., Eberth, D. A., 2020. Using tooth enamel microstructure to identify mammalian fossils at an Eocene Arctic forest. *PLoS ONE* 15(9) doi.org/10.1371/journal.pone.0239073

Epshteyn, O. G., 1981. Late Permian ice-marine deposits of the Atkan Formation in the Kolyma river headwaters region, U.S.S.R. In: Hambrey, M. J., Harland, W. B. (eds). Earth's pre-Pleistocene glacial record, 270–273, Cambridge.

Epshteyn, O. G., 1981. Middle Carboniferous ice-marine deposits of northeastern U.S.S.R. In: Hambrey, M. J., Harland, W. B. (eds). Earth's pre-Pleistocene glacial record, 268–269, Cambridge.

Ershova, V. B., Khudoley, A. K., Prokopiev, A. V., Truchkova, M. I., Fedorov, P. V., Kazakova, G. G., Shishlov, S. B., O'Sullivan, P., 2016. Trans-Siberian Permian rivers: A key to understanding Arctic sedimentary provenance. – *Tectonophysics* 691, 220–233. [doi.org/10.1016/j.tecto.2016.03.028](https://doi.org/10.1016/j.tecto.2016.03.028)

Flaig, P. P., McCarthy, P. J., Fiorillo, A. R., 2013. Anatomy, Evolution, and Paleoenvironmental Interpretation of an Ancient Arctic Coastal Plain: Integrated Paleopedology and Palynology from the Upper Cretaceous (Maastrichtian) Prince Creek Formation, North Slope, Alaska, USA. – *New Frontiers in Paleopedology and Terrestrial Paleoclimatology*. SEPM Special Publication 104, 179–230. [doi.org/10.2110/sepm-sp.104.ch14](https://doi.org/10.2110/sepm-sp.104.ch14)

Fielding, C. R., Frank, T. C., Isbell, J. L., 2008. The late Paleozoic ice age—A review of current understanding and synthesis of global climate patterns. In: Fielding, C. R., Frank, T. D., Isbell, J. L. (eds.). *Resolving the Late Paleozoic Ice Age in Time and Space: Geological Society of America Special Paper 441*, 343–354. [doi.org/10.1130/2008.2441\(24\)](https://doi.org/10.1130/2008.2441(24))

Golonka, J., Bocharova, N. Y., Ford, D., Edrich, M. E., Bednarczyk, J., Wildharber, J., 2003. Paleogeographic reconstructions and basins development of the Arctic. – *Marine and Petroleum Geology* 20, 211–248. [doi.org/10.1016/S0264-8172\(03\)00043-6](https://doi.org/10.1016/S0264-8172(03)00043-6)

Golonka, J., Ford, D., 2000. Pangean (Late Carboniferous–Middle Jurassic) paleoenvironment and lithofacies. – *Palaeogeography, Palaeoclimatology, Palaeoecology* 161, 1–34 [doi.org/10.1016/S0031-0182\(00\)00115-2](https://doi.org/10.1016/S0031-0182(00)00115-2)

Grasby, S. E., McCune, G. E., Beauchamp, B., Galloway, J. M., 2017. Lower Cretaceous cold snaps led to widespread glendonite occurrences in the Sverdrup Basin, Canadian High Arctic. - *GSA Bulletin* 129, 771–787. doi: 10.1130/B31600.1

Grundvåg, S.-A., Jelby, M. E., Śliwińska, K. K., Nøhr-Hansen, H., Aadland, T., Sandvik, S. E., Tennvassås, I., Engen, T., Olausen, S., 2019. Sedimentology and palynology of the Lower Cretaceous succession of central Spitsbergen: integration of subsurface and outcrop data. – *Norwegian Journal of Geology* 99, 247–278. [doi.org/10.17850/njg006](https://doi.org/10.17850/njg006)

Hallam, A., 1969. Faunal realms and facies in the Jurassic. – *Palaeontology*, 12, 1–18.

Holz, M., 2015. Mesozoic paleogeography and paleoclimates – A discussion of the diverse greenhouse and hothouse conditions of an alien world. – *Journal of South American Earth Sciences* 61, 91–107. [doi.org/10.1016/j.jsames.2015.01.001](https://doi.org/10.1016/j.jsames.2015.01.001)

Hykš, P., Kumpan, T., 2025. Boreal ammonites from the Brno Carbonate Platform (Czechia): High resolution biostratigraphy of the Middle–Upper Jurassic boundary. – *Geobios* 92, 25–43. [doi.org/10.1016/j.geobios.2025.05.006](https://doi.org/10.1016/j.geobios.2025.05.006)

- Chumakov, N. M., 1981. Scattered stones in Mesozoic deposits of North Siberia. In: Hambrey, M. J., Harland, W. B. (eds). *Earth's pre-Pleistocene glacial record*, s. 264 Cambridge.
- Isbell, J. L., Biakov, A. S., Vedernikov, I. L., Davydov, V. I. Gulbranson, E. L., Fedorchuk, N. D., 2016. Permian diamictites in northeastern Asia: Their significance concerning the bipolarity of the late Paleozoic ice age. – *Earth-Science Reviews* 154, 279–300. [doi.org/10.1016/j.earscirev.2016.01.007](https://doi.org/10.1016/j.earscirev.2016.01.007)
- Kvaček, Z., Manum S. B., 1993. Ferns in the Spitsbergen Palaeogene. *Palaeontographica Abteilung B* 230, 169–181.
- Kvaček, Z., Svein, B. M., Boulter, M. C., 1994. Angiosperms from the Palaeogene of Spitsbergen, including an unfinished work by A. G. Nathorst. – *Palaeontographica Abteilung B* 232, 103–128.
- Lüthje, C. J., Milàn, J., Hurum, J. H., 2010. Paleocene Tracks of the Mammal Pantodont Genus Titanoides in Coal-Bearing Strata, Svalbard, Arctic Norway. – *Journal of Vertebrate Paleontology* 30, 521–527. [doi.org/10.1080/02724631003617449](https://doi.org/10.1080/02724631003617449)
- Markwick, P. J., Valdes, P. J., 2004. Palaeo-digital elevation models for use as boundary conditions in coupled ocean–atmosphere GCM experiments: a Maastrichtian (late Cretaceous) example. – *Palaeogeography, Palaeoclimatology, Palaeoecology* 213, 37–63. [doi.org/10.1016/j.palaeo.2004.06.015](https://doi.org/10.1016/j.palaeo.2004.06.015)
- Markwick, P., 2007. The palaeogeographic and palaeoclimatic significance of climate proxies for data-model comparisons. In: : Williams, M., Haywood, A. M., Gregory, F. J., Schmidt, D. N. (eds.). *Deep-Time Perspectives on Climate Change: Marrying the Signal from Computer Models and Biological Proxies*. The Micropalaeontological Society, Special Publications. The Geological Society, London, 251–312.
- Mazuch, M., Sakala, J., 2021. Tenkrát, když začalo dnešní chladno. – *Živa* 69, 212–215. Dostupné na: [ziva.avcr.cz/files/ziva/pdf/tenkrat-kdyz-zacalo-dnesni-chladno.pdf](http://ziva.avcr.cz/files/ziva/pdf/tenkrat-kdyz-zacalo-dnesni-chladno.pdf)
- Mendelin, M., Schneebeli-Hermann, E., Kustatscher, E., Nowak, H., Vérard, C., Bucher, H., 2022. An Early Triassic *Pleuromeia strobilus* from Nevada, USA. - *Review of Palaeobotany and Palynology* 302, 104663. [doi.org/10.1016/j.revpalbo.2022.104663](https://doi.org/10.1016/j.revpalbo.2022.104663)
- Mogucheva, N. K., 2016. Flora from the Induan Stage (Lower Triassic) of Middle Siberia. – *Stratigraphy and Geological Correlation*, 24, 252–266. [doi.org/10.1134/S0869593816020052](https://doi.org/10.1134/S0869593816020052)
- Nikishin, A. M., Petrov, E. I., Cloetingh, S., Freiman, S. I., Malyshev, N. A., Morozov, A. F., Posamentier, H. W., Verzhbitsky, V. E., Zhukov, N. N., Startseva, K., 2021. Arctic Ocean Mega Project: Paper 3 - Mesozoic to Cenozoic geological evolution. – *Earth Science Reviews* 217, 103034. [doi.org/10.1016/j.earscirev.2019.103034](https://doi.org/10.1016/j.earscirev.2019.103034)
- Nikishin, A. M., Sobornov, K. O., Prokopiev, A. V., Frolov, S. V., 2010. Tectonic Evolution of the Siberian Platform during the Vendian and Phanerozoic. – *Moscow University Geology Bulletin*, 65, 1–16. [doi.org/10.3103/S0145875210010011](https://doi.org/10.3103/S0145875210010011)
- Opluštěl, S., Zajíc, J., Svoboda, J., 2022. *Pralesy a jezera mladších prvohor. Když uhlí bylo ještě zelené*. 423 s., Academia, Praha.

Page, K. N., Meléndez, G., Wright, J. K., 2009. The ammonite faunas of the Callovian-Oxfordian boundary interval in Europe and their relevance to the establishment of an Oxfordian GSSP. – *Volumina Jurassica* 7, 89–99.

Peace, A. L., Phethean, J. J. J., Franke, D., Foulger, G. R., Schiffer, C., Welford, J. K., McHone, G., Rocchi, S., Schnabel, M., Doré, A. G., 2020. A review of Pangaea dispersal and Large Igneous Provinces—In search of a causative mechanism. – *Earth-Science Reviews* 206, 102902.  
[doi.org/10.1016/j.earscirev.2019.102902](https://doi.org/10.1016/j.earscirev.2019.102902)

Pickton, C. A. G., 1981. Palaeogene and Cretaceous dropstones in Spitsbergen. In: Hambrey, M. J., Harland, W. B. (eds). *Earth's pre-Pleistocene glacial record*, 567–569, Cambridge.

Pott, C., van der Burgh, J. van Konijnenburg-van Cittert, J. H. A., 2016. New Ginkgophytes from the Upper Triassic – Lower Cretaceous of Spitsbergen and Edgeøya (Svalbard, Arctic Norway): The History of Ginkgoales on Svalbard. – *International Journal of Plant Sciences* 177, 175–197.  
[doi.org/10.1086/684194](https://doi.org/10.1086/684194)

Raymond, A., Metz, C., 2004. Ice and its consequences in the Late Ordovician, Late Devonian, Pennsylvanian-Permian, and Cenozoic compared. – *The Journal of Geology* 112, 655–670, doi: 10.1086/424580.

Rees, P. M., Ziegler, A. M., Gibbs, M. T., Kutzbach, J. E., Behling, P. J., Rowley, D. B., 2002. Permian Phytogeographic Patterns and Climate Data/Model Comparisons. – *Journal of Geology* 110, 1–31.  
[doi.org/10.1086/324203](https://doi.org/10.1086/324203)

Rodríguez- López, J. P., Liesa, C. L., Luzón, A., Muñoz, A., Mayayo, M. J., Murton, J. B., Soria, A. R., 2023. Ice-rafted dropstones at midlatitudes in the Cretaceous of continental Iberia. – *Geology* 52, 33–38. [doi.org/10.1130/G51725.1](https://doi.org/10.1130/G51725.1)

Rodríguez- López, J. P., Liesa, C. L., Pardo, G., Meléndez, N., Soria, A. R., Skilling, I., 2016. Glacial dropstones in the western Tethys during the late Aptian-early Albian cold snap: Palaeoclimate and palaeogeographic implications for the mid-Cretaceous. – *Palaeogeography, Palaeoclimatology, Palaeoecology* 452, 11–27. [doi.org/10.1016/j.palaeo.2016.04.004](https://doi.org/10.1016/j.palaeo.2016.04.004)

Rodríguez- López, J. P., Fernández-Mendiola, P. Á., de Gea, G. A., Arz, J. A., Arenillas, I., Gilabert, V., Arlegui, L., Soria, A. R., Fernández, V., Amidon, W., Kylander-Clark, A., Frigola, J., Cerdà-Domènech, M., Garber, J., López-Martínez, J., Murton, J. B., Liesa, C. L., 2026. Low-latitude glaciation in the Cretaceous greenhouse: reviewing the cryosphere reach during an archetypal hothouse Earth. – *Earth-Science Reviews* 274, 105351 [doi.org/10.1016/j.earscirev.2025.105351](https://doi.org/10.1016/j.earscirev.2025.105351)

Scotese, C. R., Song, H., Mills, B. J. W., van der Meer, D. G., 2021. Phanerozoic paleotemperatures: The Earth's changing climate during the last 540 million years. – *Earth-Science Reviews* 215, 103503.  
[doi.org/10.1016/j.earscirev.2021.103503](https://doi.org/10.1016/j.earscirev.2021.103503)

Sellwood, B. W., Valdes, P. J., 2006. Mesozoic climates: General circulation models and the rock record. – *Sedimentary Geology* 190, 269–287. [doi.org/10.1016/j.sedgeo.2006.05.013](https://doi.org/10.1016/j.sedgeo.2006.05.013)

Spicer, R. A., Herman, A. B., 2010. The Late Cretaceous environment of the Arctic: A quantitative reassessment based on plant fossils. – *Palaeogeography, Palaeoclimatology, Palaeoecology* 295, 423–442. [doi.org/10.1016/j.palaeo.2010.02.025](https://doi.org/10.1016/j.palaeo.2010.02.025)

Spielhagen, R. F., Tripathi, A., 2005. Evidence from Svalbard for near-freezing temperatures and climate oscillations in the Arctic during the Paleocene and Eocene. – *Palaeogeography, Palaeoclimatology, Palaeoecology* 278, 48–56. doi:10.1016/j.palaeo.2009.04.012

Vickers, M. L, Hougård, I. W., Alsen, P., Ullmann, C. V., Jelby, M. E., Bedington, M., Korte, C., 2022. Middle to Late Jurassic palaeoclimatic and palaeoceanographic trends in the Euro-Boreal region: Geochemical insights from East Greenland belemnites. – *Palaeogeography, Palaeoclimatology, Palaeoecology* 597, 111014. doi.org/10.1016/j.palaeo.2022.111014

Wnuk, C., 1996. The development of floristic provinciality during the Middle and Late Paleozoic. – *Reviews of Palaeobotany and Palynology* 90, 5–40. [doi.org/10.1016/0034-6667\(95\)00022-4](https://doi.org/10.1016/0034-6667(95)00022-4)

Zharkov, M. A., Chumakov, N. M., 2001. Paleogeography and Sedimentation Settings during Permian – Triassic Reorganizations in Biosphere. – *Stratigraphy and Geological Correlation* 9, 340–363.

**Internetové zdroje:**

Knowing Earth ([www.knowing.earth](http://www.knowing.earth))

Deep Time Maps – Maps of ancient Earth ([deeptimemaps.com](http://deeptimemaps.com))