

Výskyt rýb, osobitne jeseterov, v strednom Dunaji v súvislosti s klimatickou zmenou

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Jesetery sú dáždnikovým druhom pre Dunaj

- Dunaj je najmedzinárodnejšia rieka sveta - preteká cez 10 krajín
- Medzinárodné projekty
 - InterReg - Dunajský nadnárodný program - projekt MEASURES
 - projekt - LIFE STERLET, LIFE BOAT4STUERGONS
- Domáce projekty - APVV projekt - Manažment a ochrana dunajských jeseterov
- Akčné plány - Sturgeon action plan (2005), Sturgeon 2020, Pan-European action plan for Sturgeons (2018)

Action Plan for the conservation of Sturgeons (Acipenseridae) in the Danube River Basin

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Sturgeon Action Plan (2005)

CONVENTION FOR THE PROTECTION OF THE DANUBE RIVER AND ITS CATCHMENT AREAS

Standing Committee

14th meeting
Budapest, 17-18 November 2005

PAN-EUROPEAN ACTION PLAN
FOR STURGEONS



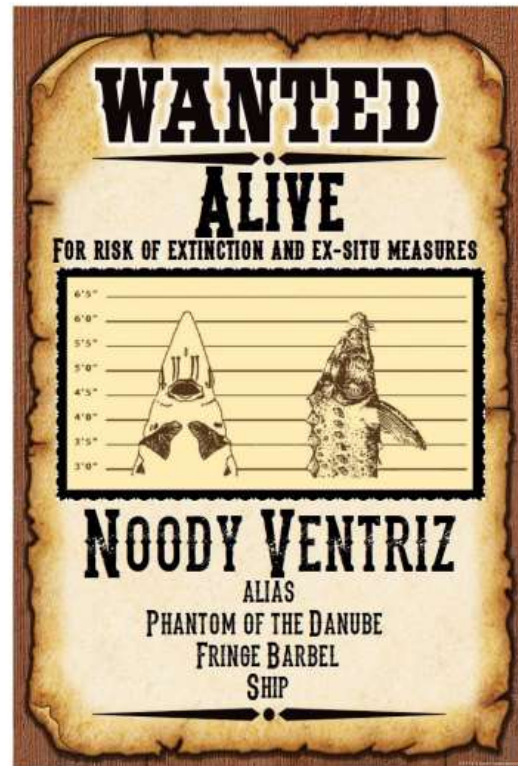
Developed in cooperation with the World Bank and the World Wildlife Fund (WWF)

Published by the Danube River Basin Commission (DRBC)

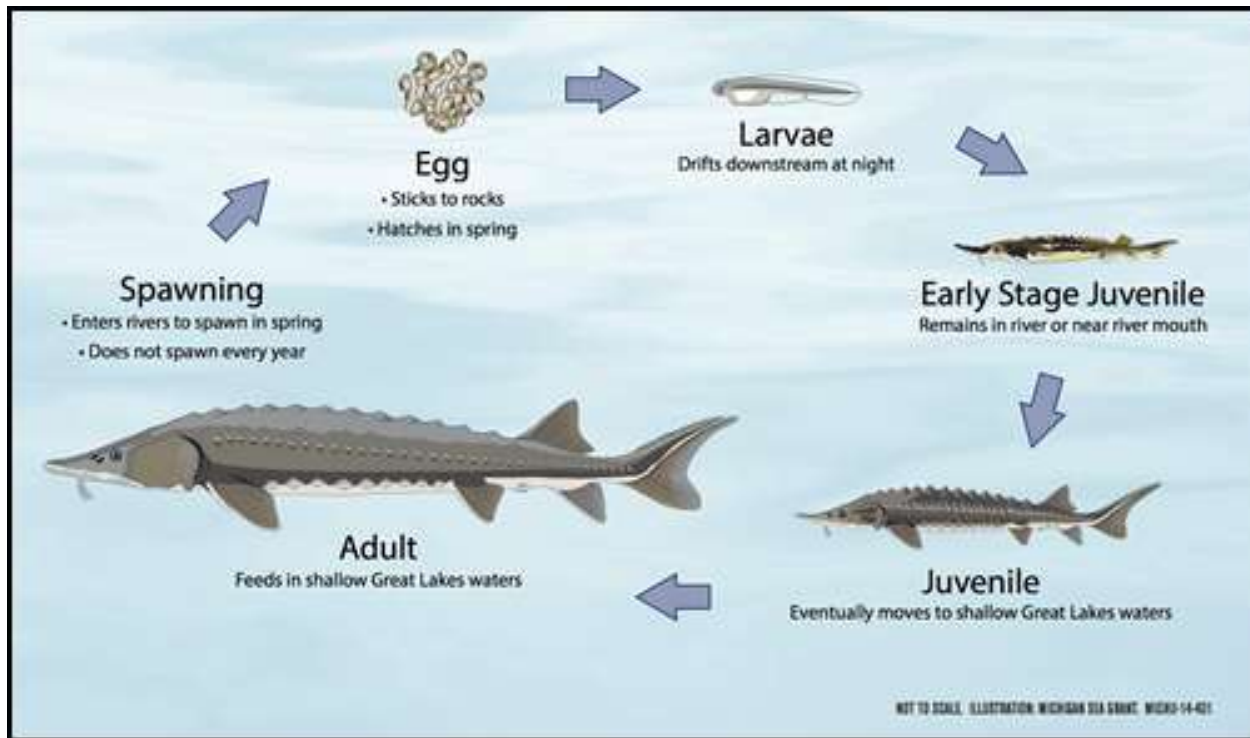


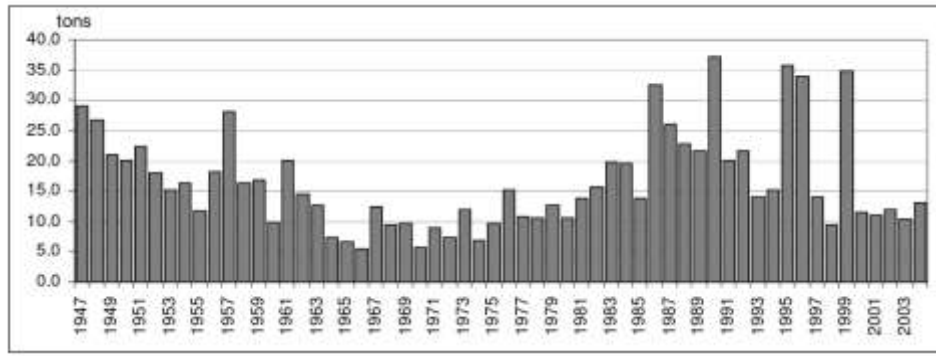
Dunajské jesetery

- V Dunaji sa vyskytovalo až 6 druhov jeseterov - jeseter veľký iba sporadicky
- Vyza veľká, jeseter ruský a jeseter hviezdnatý už len v dolnom Dunaji
- Jeseter malý ešte aj v strednom a hornom Dunaji
- Jeseter hladký pravdepodobne v Dunaji vyhynul

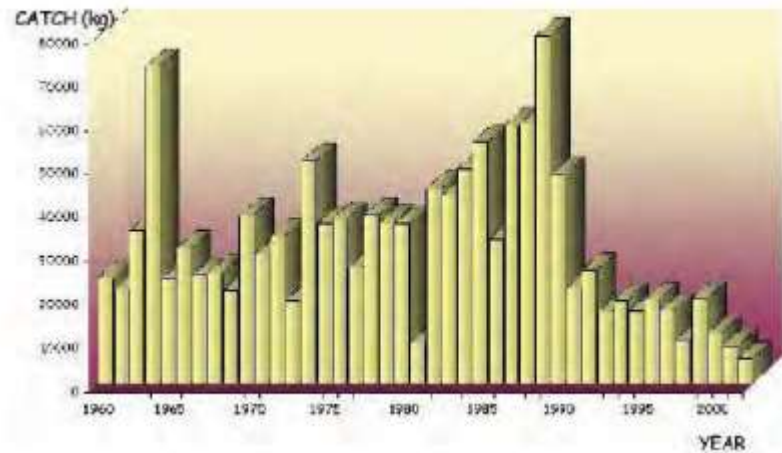


Pomerne zložitý životný cyklus jeseterov

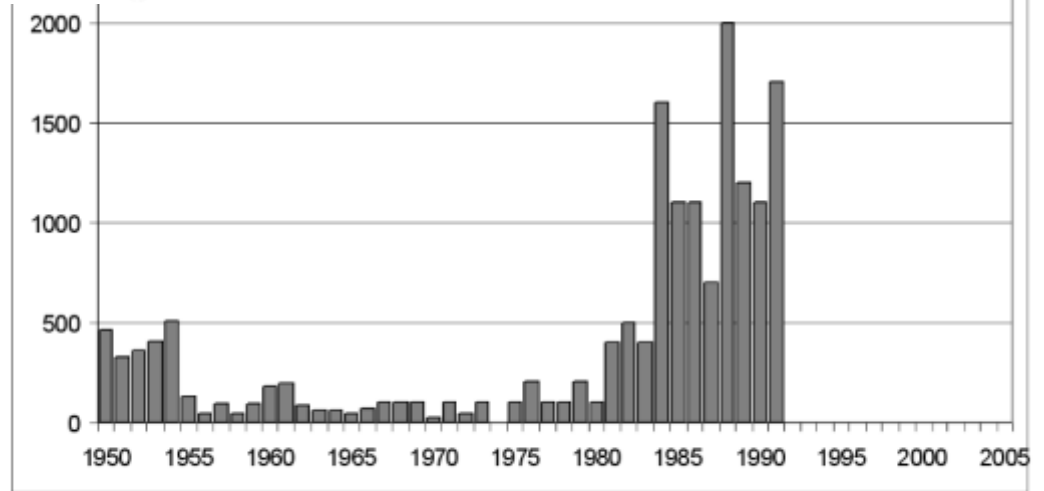




Guti, G. (2006). Past and present status of sturgeons in Hungary. In *Proceedings of the 36th International Conference of IAD. Austrian Committee Danube Research/IAD, Vienna* (pp. 143-147).

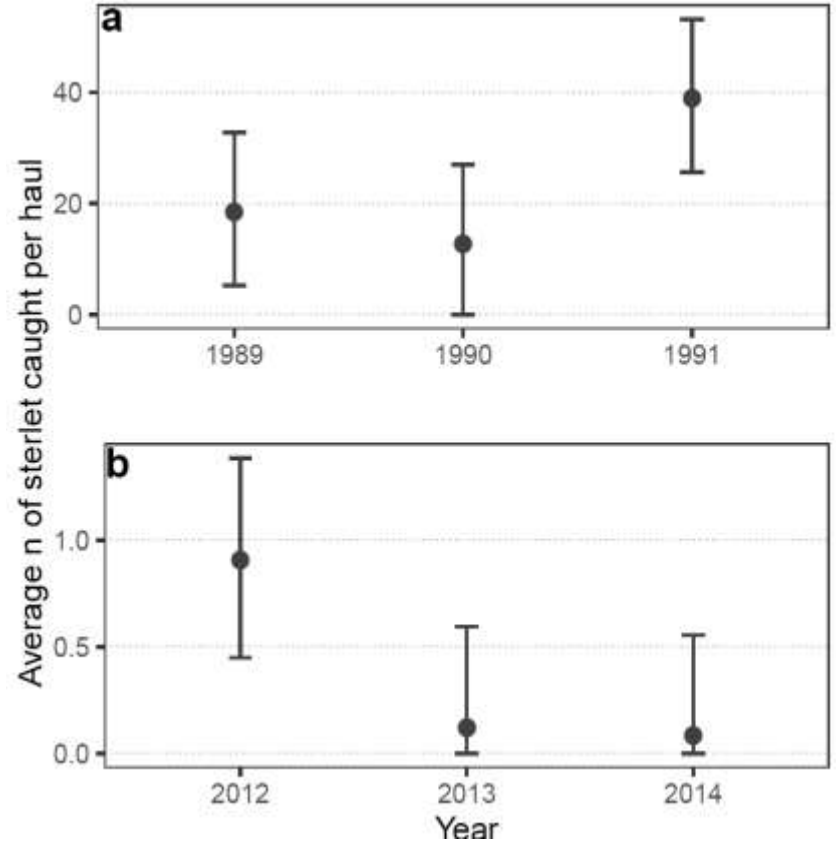
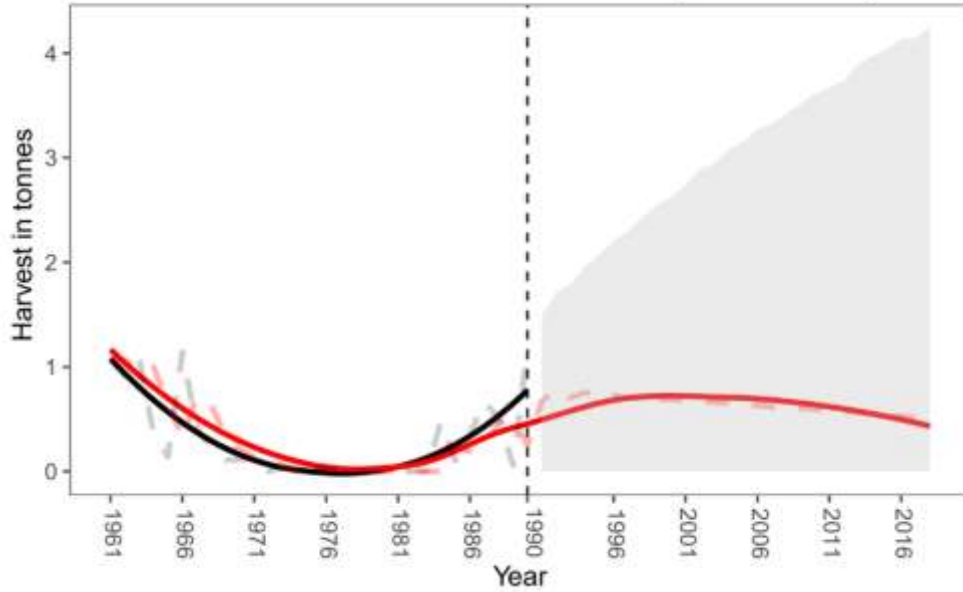


Lenhardt, M., Gyore, K., Ronyai, A., Smederevac-Lalic, M., & Gacic, Z. (2015). Status of sterlet (*Acipenser ruthenus* L.) in Serbia and Hungary.



Guti, G., & Gaebele, T. (2009). Long-term changes of sterlet (*Acipenser ruthenus*) population in the Hungarian section of the Danube. *Opusc. Zool. Budapest*, 40(2), 17-25.

Annual harvest of sterlet in Slovakia (1961 – 1990)

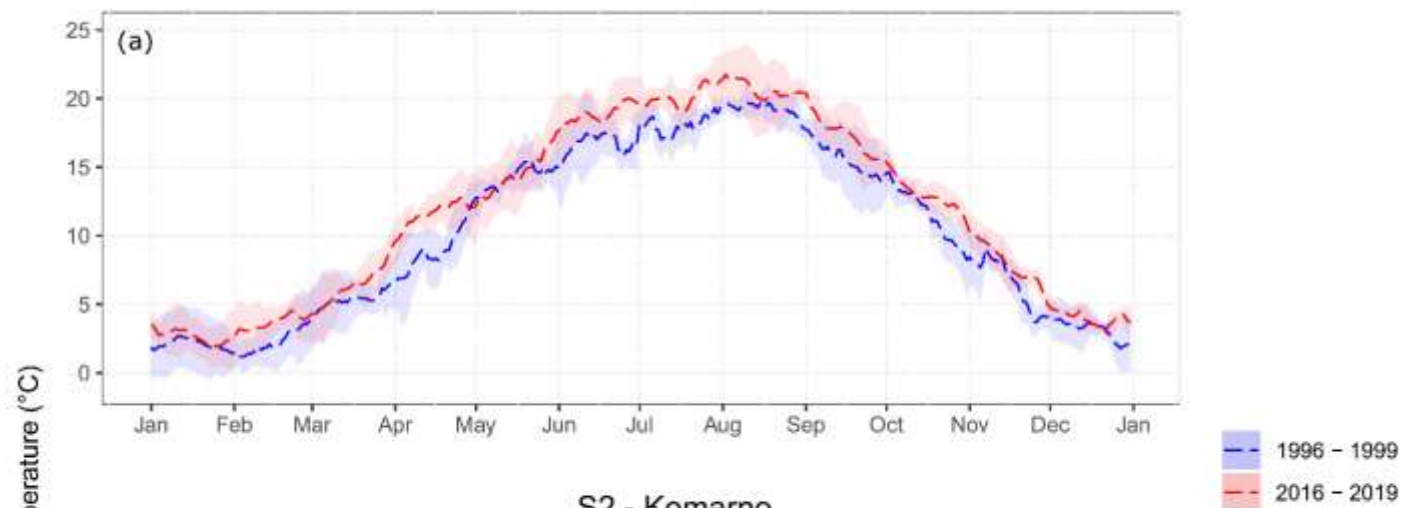


Kubala, M., Farský, M., Krajč, T., & Pekárik, L. (2021). Bayesian modelling suggests that the sterlet (*Acipenser ruthenus*, Linnaeus 1758) population is ageing in the middle Danube River. *Aquatic Conservation: Marine and Freshwater Ecosystems*, 31(3), 469-479.

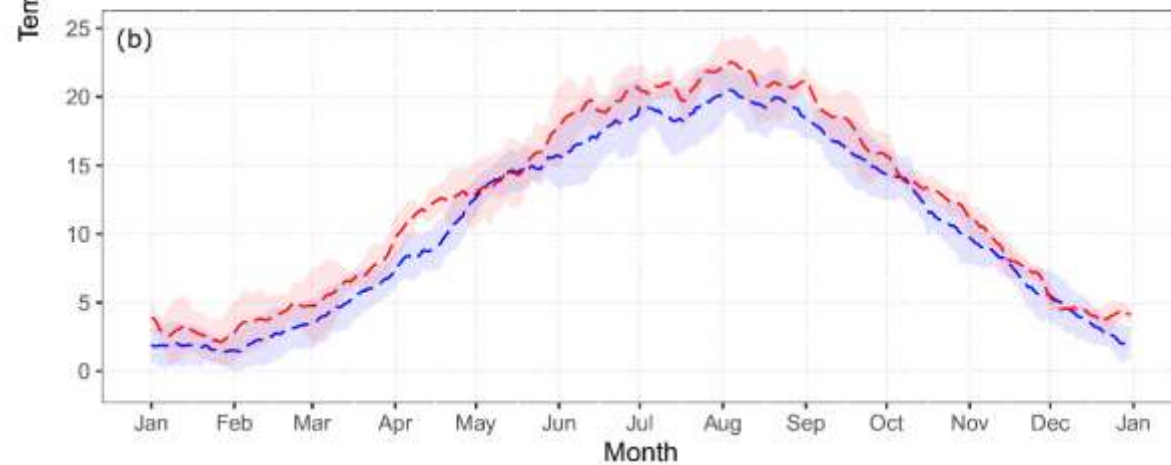
Zmena klímy a Dunaj

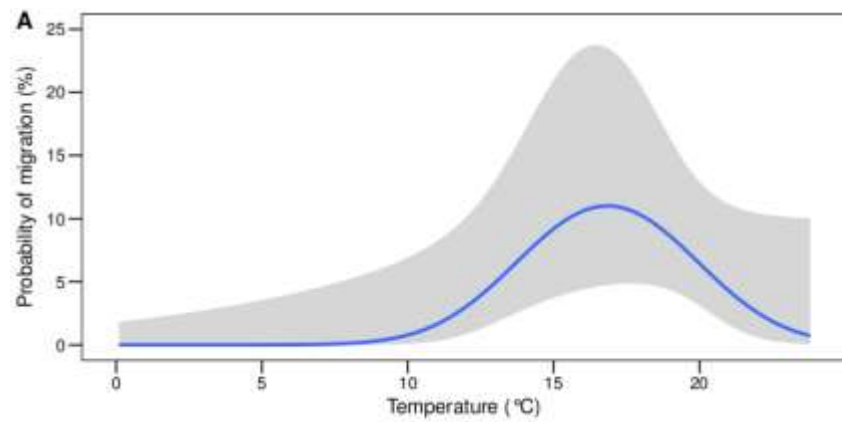
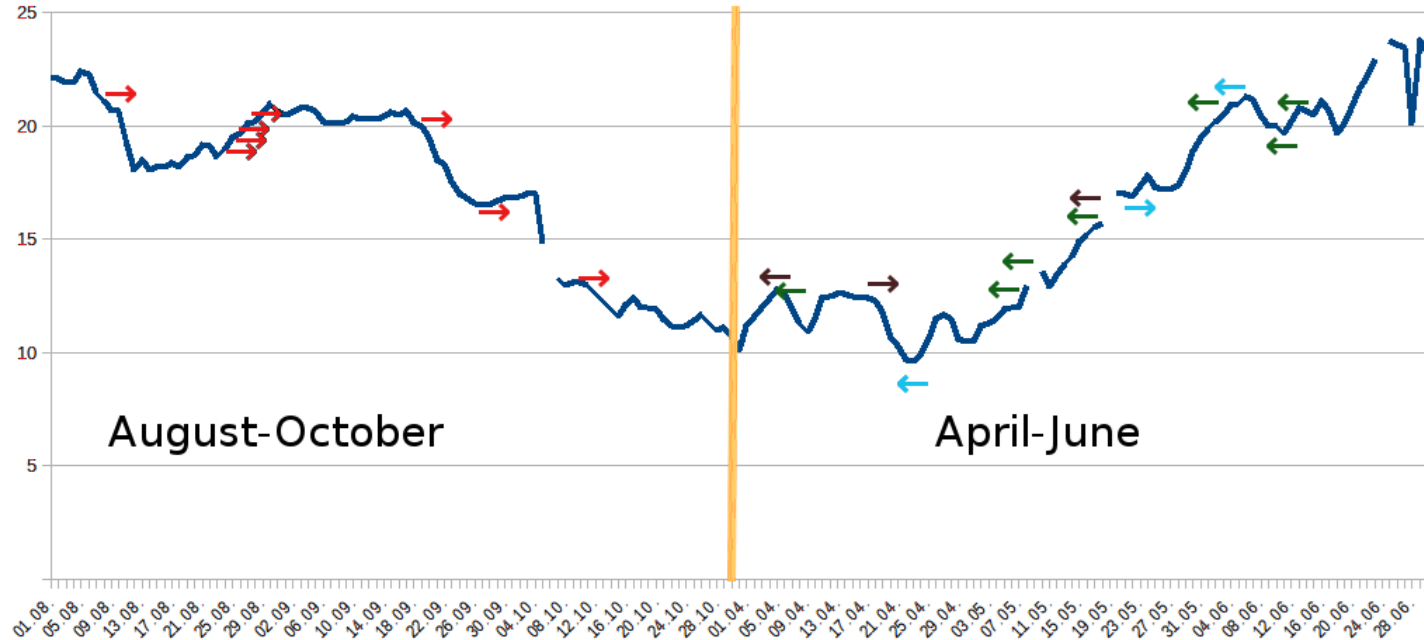
- Zmena v teplote vody
- Zmena hydrologického režimu
- Strata habitatov a ich fragmentácia
- Zmeny v rozšírení druhov
- Vyššie ohrozenie nepôvodnými druhmi
- Ohrozenie patogénmi a parazitmi

S1 - Devin



S2 - Komarno

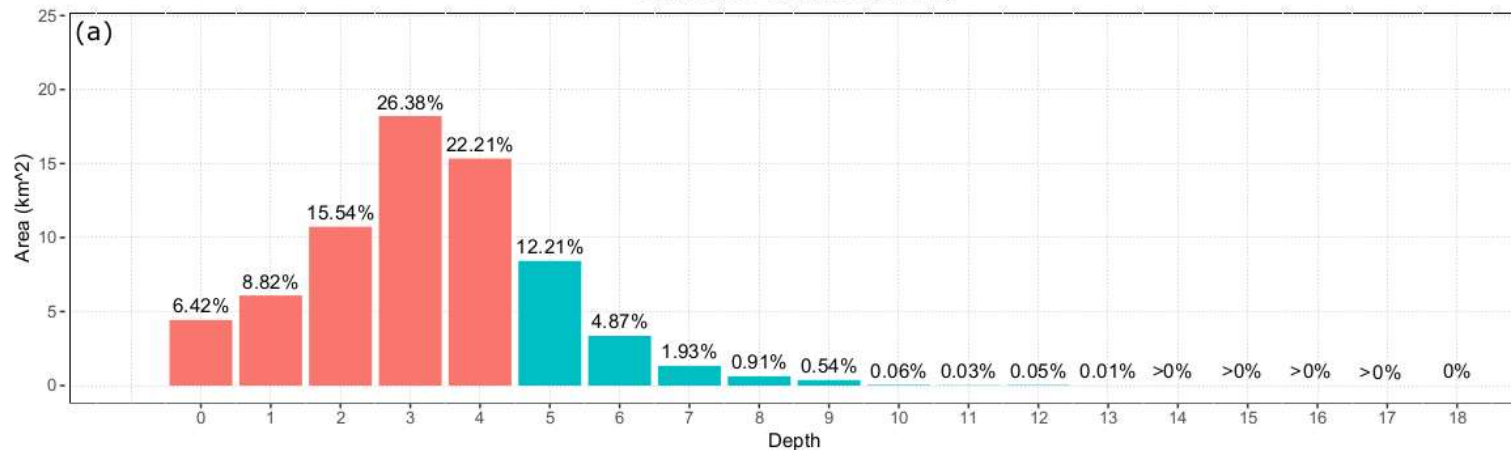




Area covered by different depths for rkm 1709 – 1920 ($Q_a = 1070 \text{ m}^3/\text{s}$)

Total area: 69.04 km^2

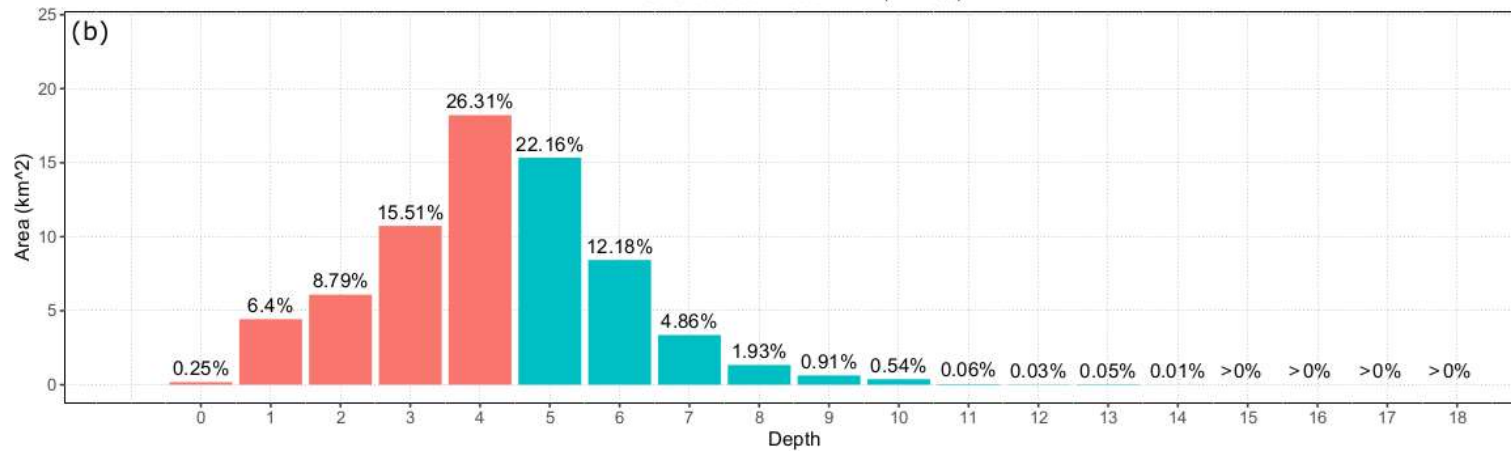
Suitable area: 14.24 km^2 (20.61%)



Area covered by different depths for rkm 1709 – 1920 ($Q_a = 1924 \text{ m}^3/\text{s}$)

Total area: 69.22 km^2

Suitable area: 29.58 km^2 (42.73%)



Ako vplýva zmena klímy na ostatné druhy?





Ďakujem za pozornosť

