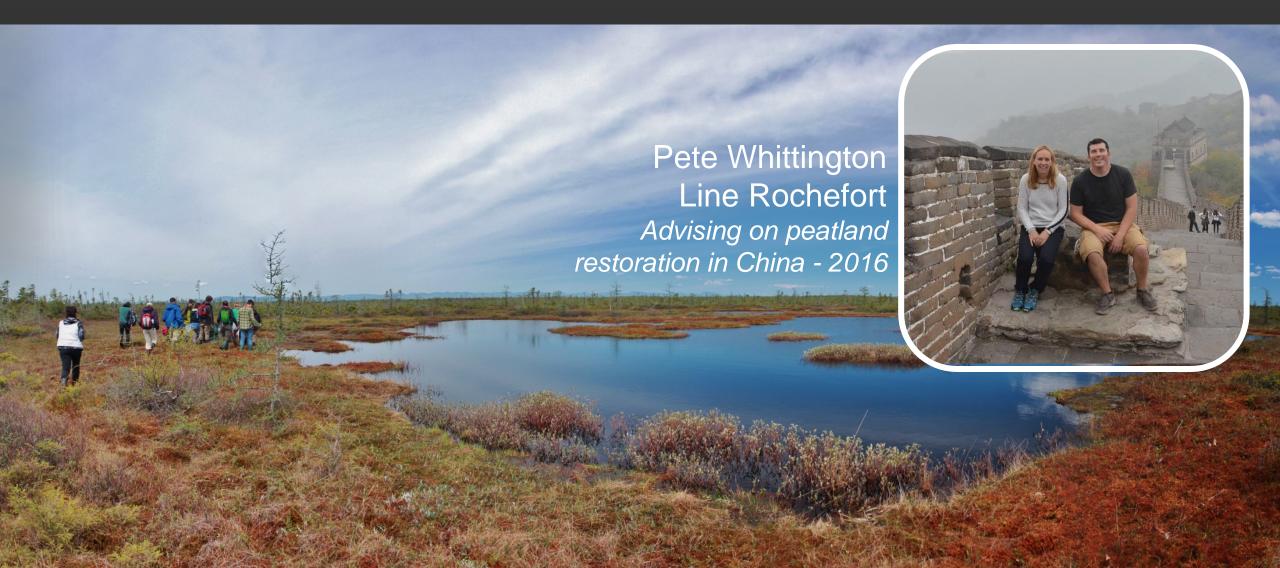
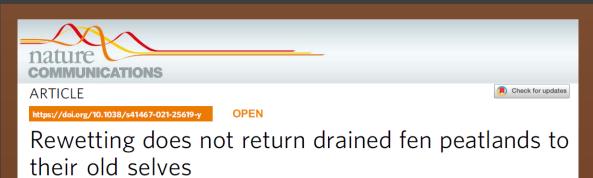


Peatland Restoration – Case of Canada





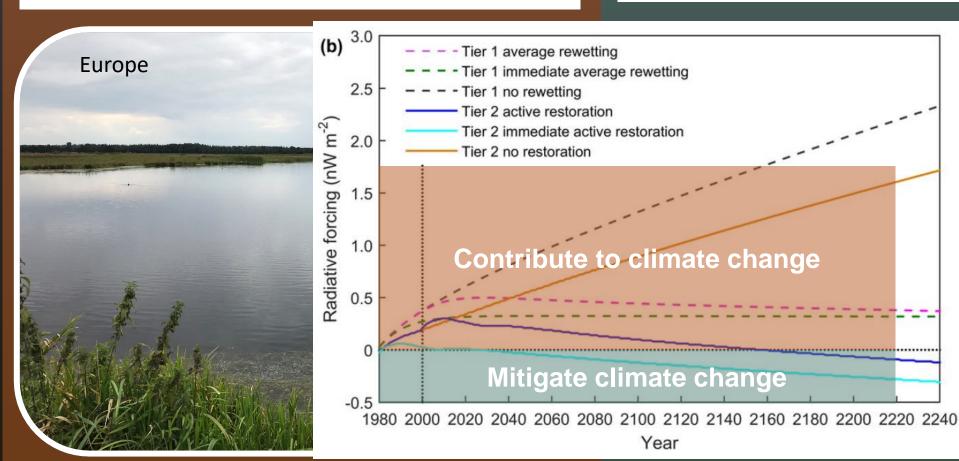




Environmental Research Letters

LETTER

Prompt active restoration of peatlands substantially reduces climate impact

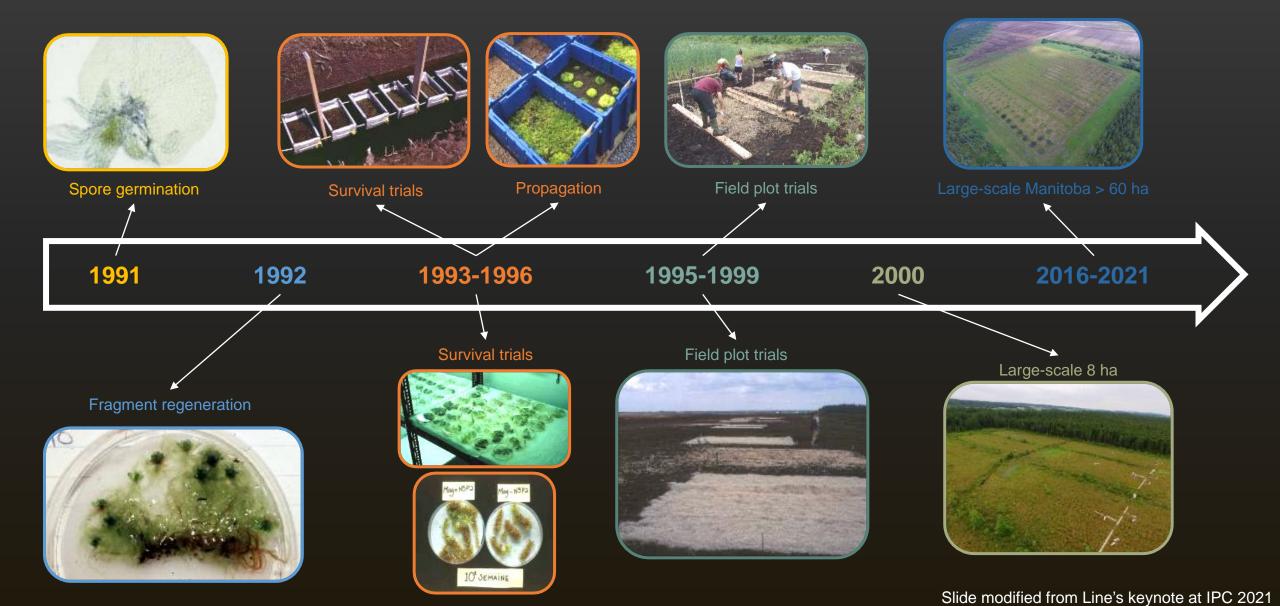




In North America...

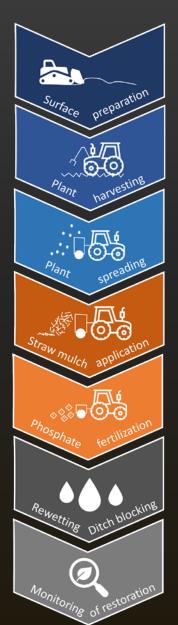
Started small and worked our way up in scaling up





Meanwhile in North America...

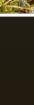




Moss Layer Transfer Technique as a peatland restoration method









15 years post-restoration



In western Canada... What's next for 2021-2026

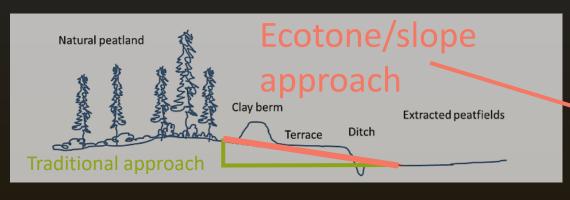




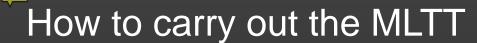
Ecotone restoration - To encourage the flow of water and nutrients

Larger scales in Western Manitoba

- Drier and windier climate
- Fen restoration

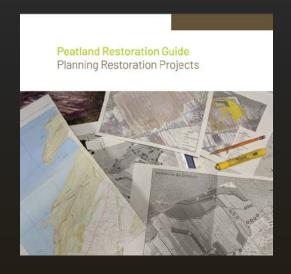








Guidelines for the Restoration of *Sphagnum*-dominated peatlands 3rd edition (2020)









www.peatmoss.com

= Impl

Implementation of MLTT in North America





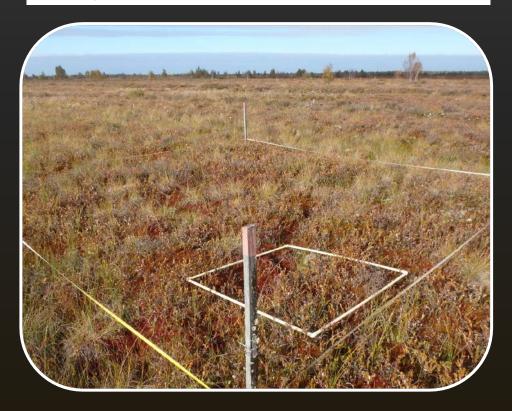
Contents lists available at ScienceDirect

Ecological Engineering

journal homepage: www.elsevier.com/locate/ecoleng

Drivers of success in 53 cutover bogs restored by a moss layer transfer technique

E. González*, L. Rochefort



5 to 10 yrs post-restoration

82% of success if the goal is vascular plant **diversity**

68% of success if the goal is **C** sequestration

High success if the goal is no invasive species

Since 1999 in Canada

MLTT restoration

1827 ha

Active rewetting Without flooding

1491 ha

250 ha+
in Minnesota and many
projects planned

Recovery of ecological attributes of the restored peatlands





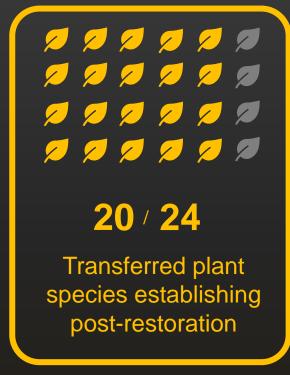
Nugent et al. 2018, Nugent et al. 2019



Blier-Langdeau et al. 2021

MLTT restored peatlands

Fire resistant and short-term resilient



Hugron et al. 2020



Sphagnum regeneration in

Guêné-Nanchen et al. 2018





Denmark



Poland



Lithuania



nescuren ord



Canada

MLTT

Sphagnum moss reintroduction to jump-start peat accumulation processes

& more (Chile, Australia)



Latvia



USA, Minnesota



Estonia

Thank you!

Invitations



Canada 2023: Reclaim, Restore, Rewild Conference, in collaboration with the IPS



China 2024: 17th International Peatland Congress

To see the latest world effort in peatland restoration

