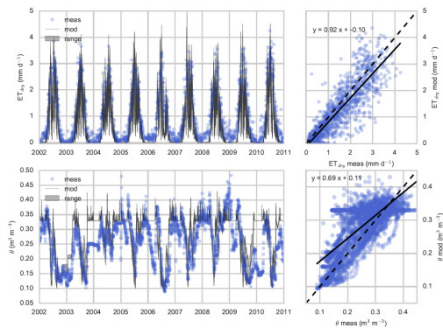
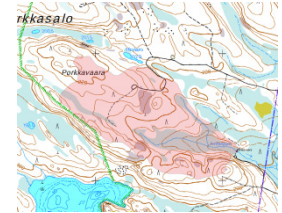


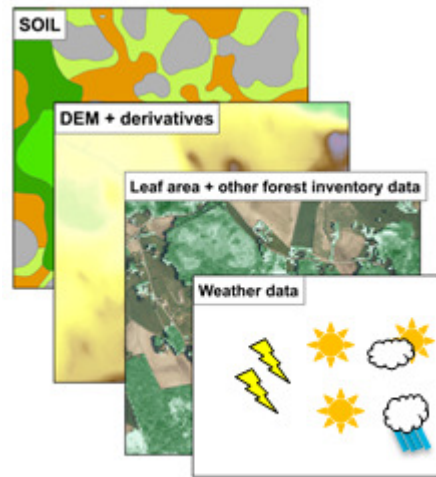
## Samuli Launiainen (google: <https://goo.gl/zTQA2D>)

- Academy Research Fellow (- 8/2021)
  - PhD meteorology (2011, Univ. Helsinki)
  - Univ. Helsinki: 2006 – 2010
  - Metla / Luke: 8/2010 -
- Strengths:
  - Generalist, excellent in seeing connections and breaking the big picture into pieces (and sometimes putting it back together)
  - Some mathematical & programming skills
  - Motivation & motivating(?)
- Research interests: numerous
  - Mechanistic modeling, dynamic modeling
  - Soil-vegetation-atmosphere exchange, coupling biogeochemical and hydrologic cycles
  - Environmental impacts of forestry
  - Forest trafficability

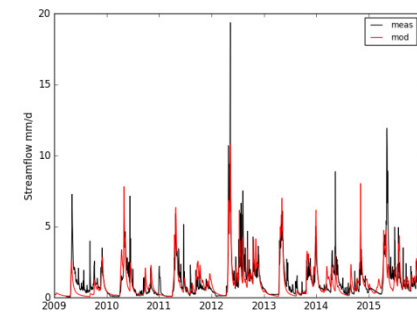
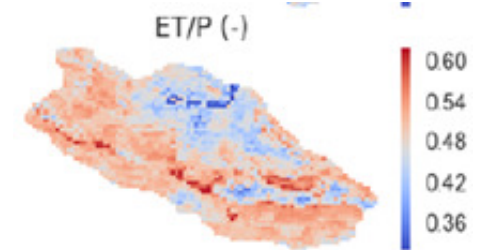
# Can we upscale processes and mass balances from point to stand and landscape?



Theories, small-scale models



Open GIS-data  
meteorologic data



Distributed ET,  
snow & soil water  
predictions,  
streamflow

Small-scale data

ICOS

Large-scale data

# Contacts

- Luke:
  - Antti-Jussi, Kersti Haahti, Mingfu Guan, Aura Salmivaara, Leena Finer, forest technologists, Hiha-people
- Climate impacts of boreal bryophytes – from functional traits to global models (AKA 2016-2018)
  - Gaby Katul (Duke Univ.); Seven Rice (Union College); Sebastian Luyssaert (VU Amsterdam); Hotaek Park (Japan), Eeva-Stiina Tuittila (UEF); Annalea Lohila, Mika Aurela (FMI); Univ. Hel. / INAR / ICOS
- Ecophysiology and ecohydrology
  - Gaby Katul; Timo Vesala, Annikki Mäkelä (Univ. Hel); Hjalmar Laudon, Niles Hasselquist (SLU Umeå); Giulia Vico (SLU Uppsala)
- Hydrologic & biogeochemical modeling
  - Ari Lauren (UEF/Luke); Gaby Katul; Stefano Manzoni (Univ. Stockholm), Harri Koivusalo (Aalto)