



Vindelälven-Juhtatdahka

Biosphere Reserve Candidate

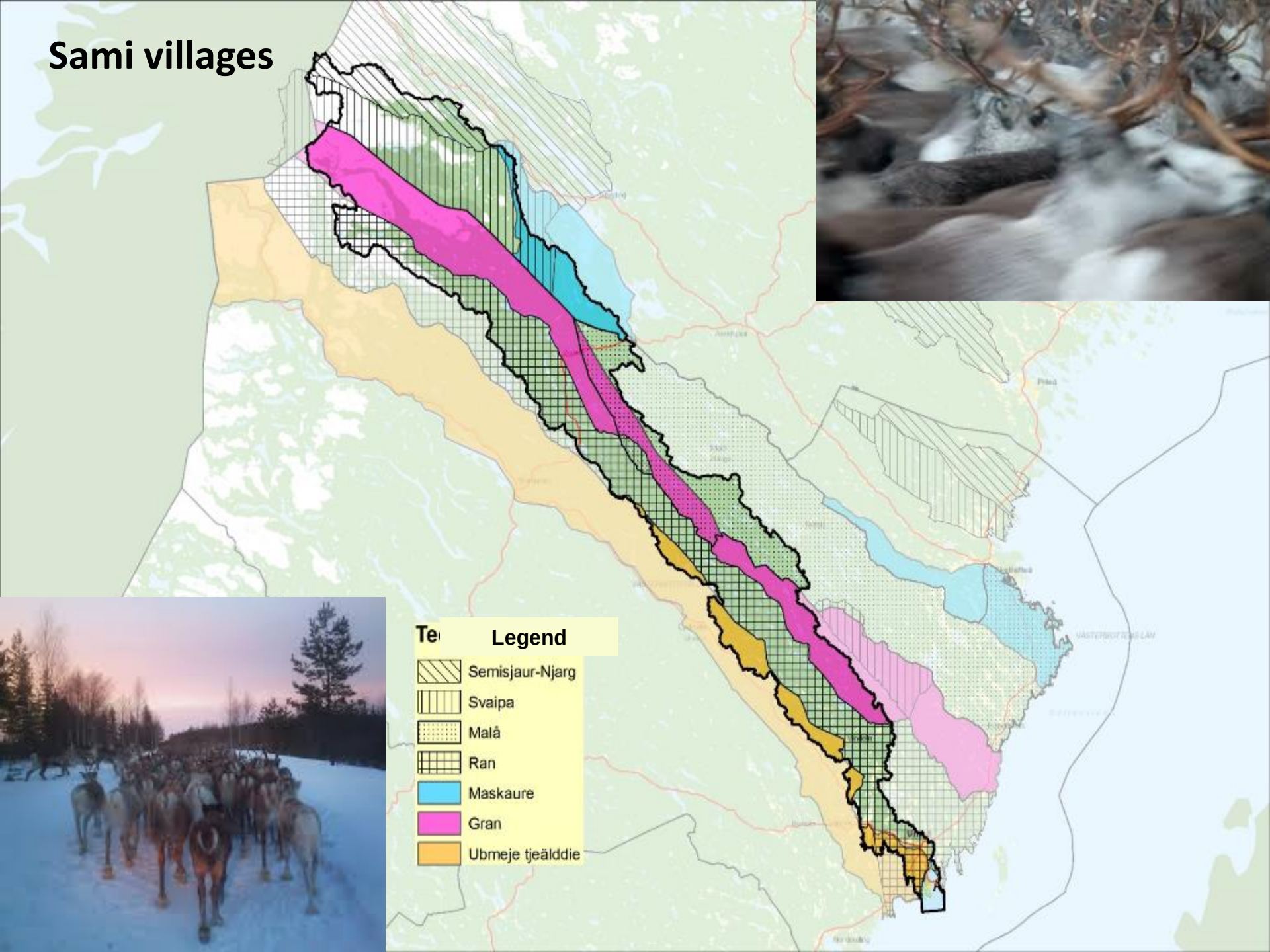


Christer Nilsson, Board Member, representing the Academy

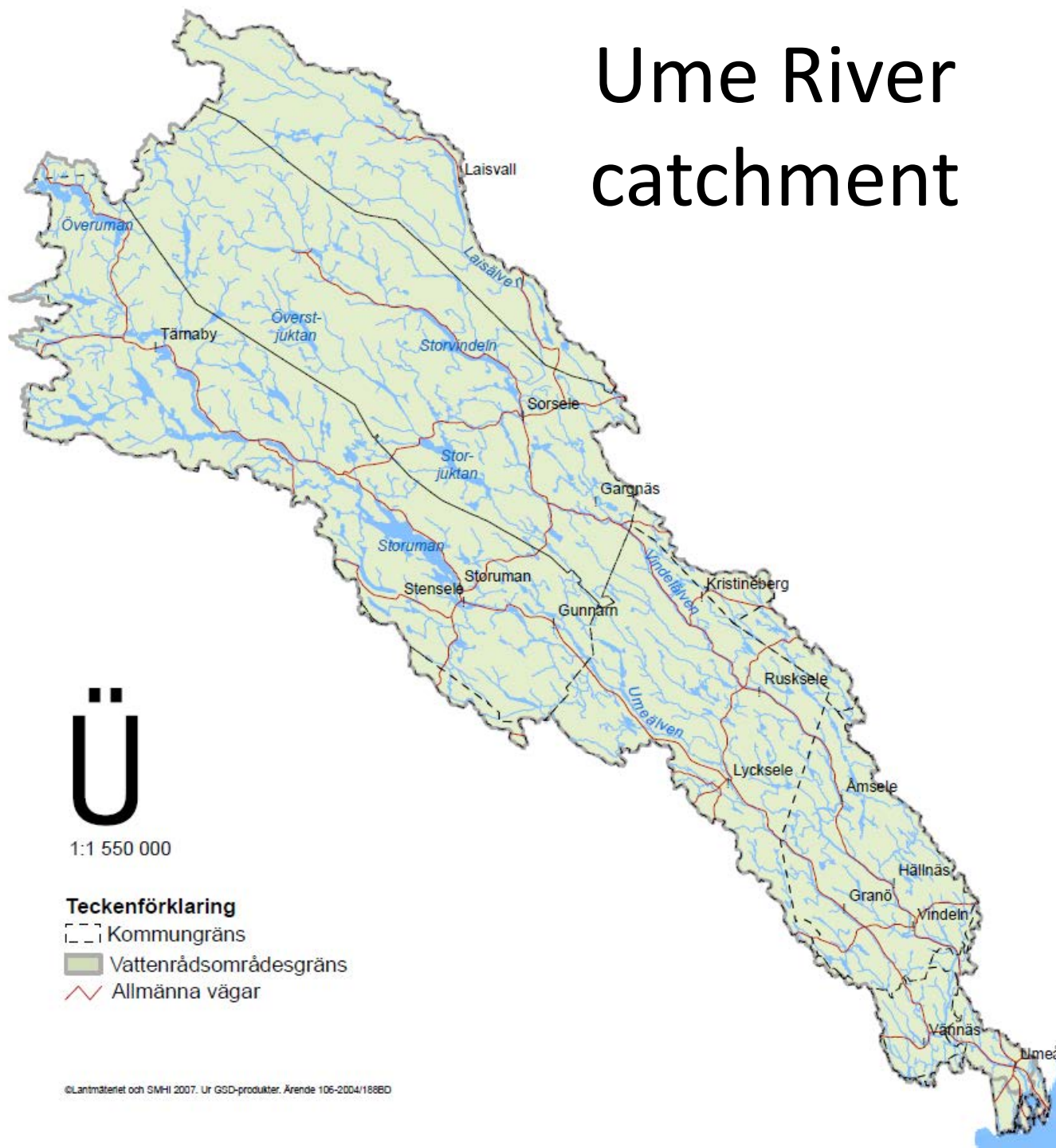
Juhtatdahka means migration route



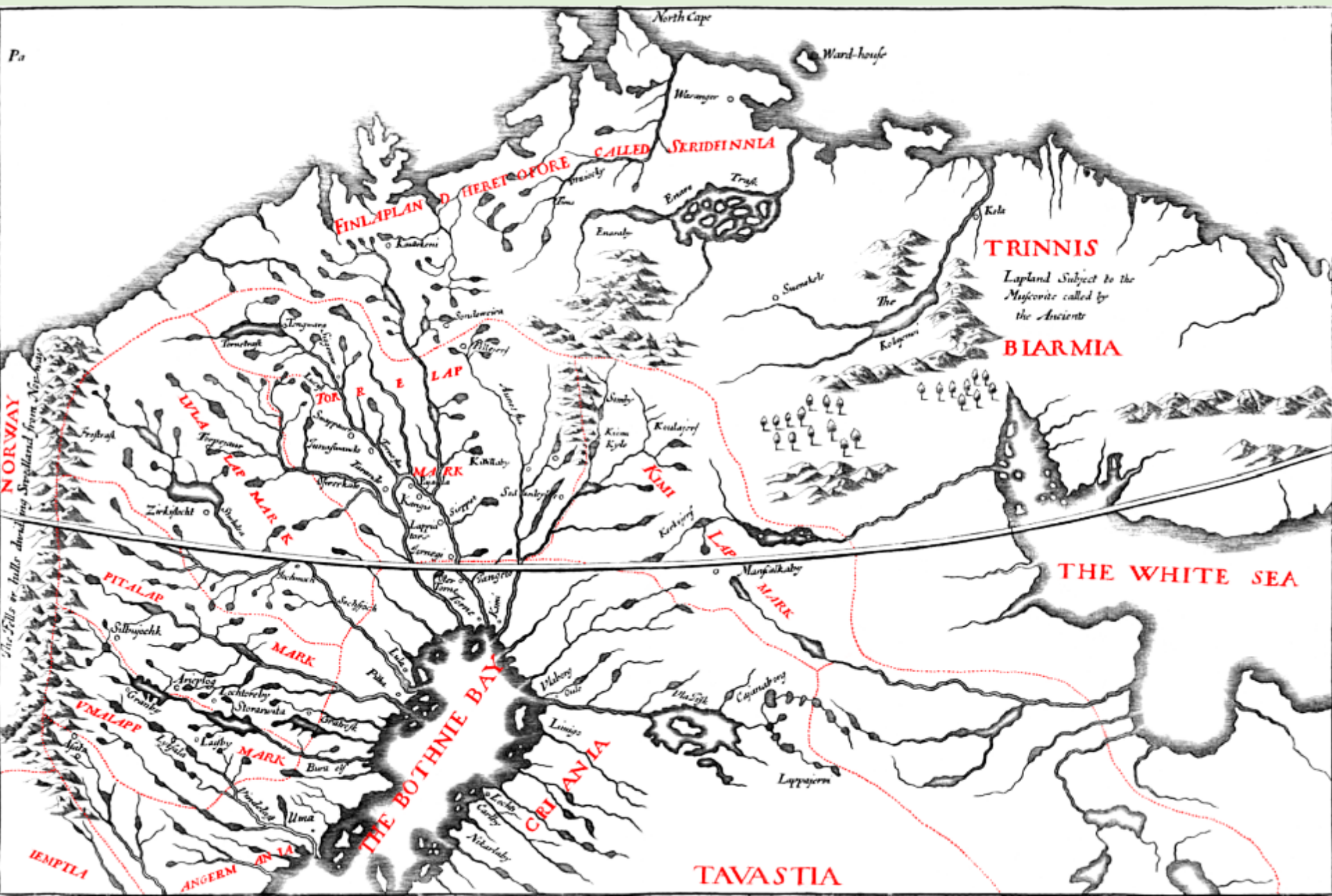
Sami villages



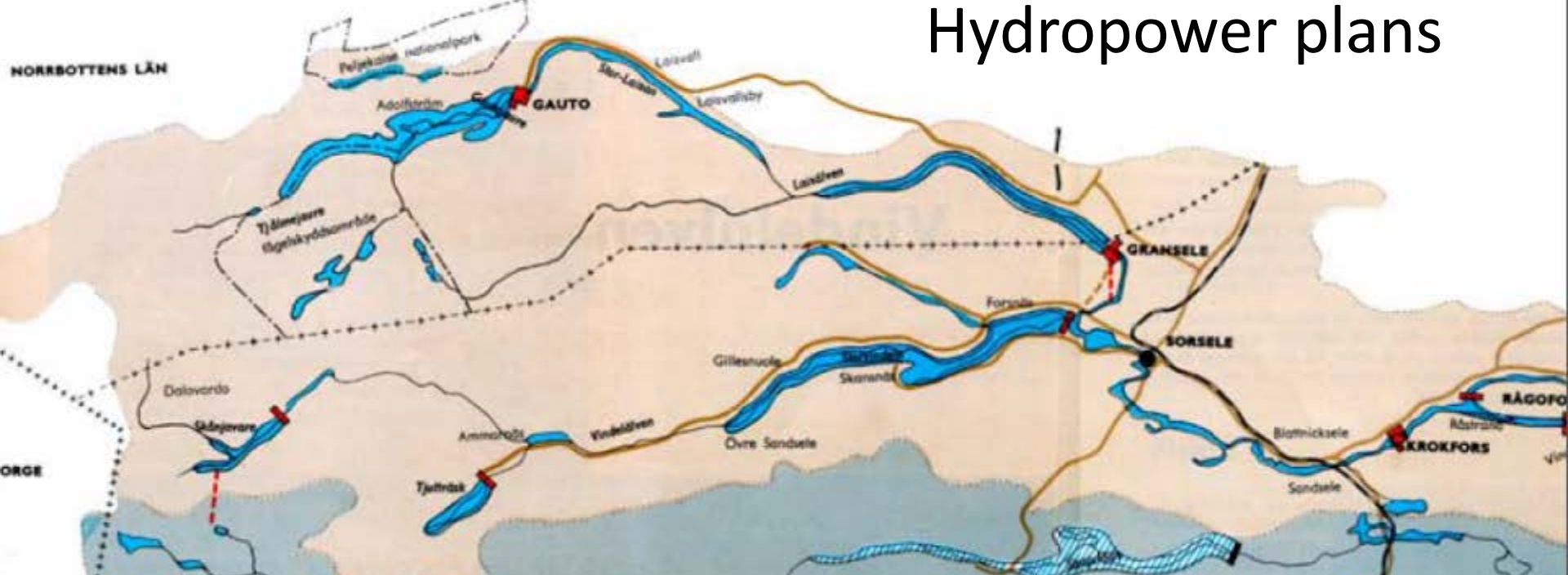
Ume River catchment



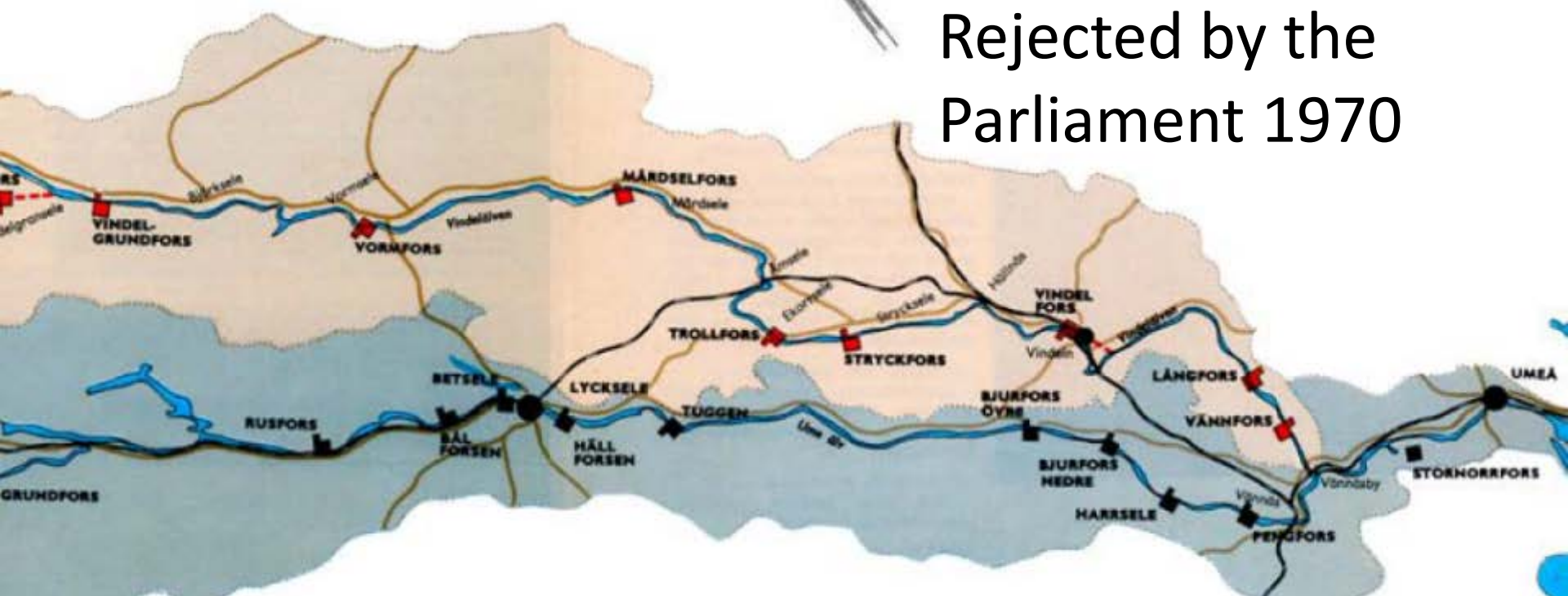
The History of Lapland, by John Scheffer (Oxford 1674)



Hydropower plans



Rejected by the
Parliament 1970



Vindel River of today

- National river
- Protected from hydroelectric development and diversion (Environmental Act)
- Natura 2000-area
- National interest for nature conservation, fishing, outdoor life, cultural environments and reindeer herding
- Nature reserves and Ramsar sites
- Biosphere Reserve Candidate

Varied planform



Various ecosystem types (forest)





Various
geomorphic
formations



Variation between rapids and slow-flowing reaches

Bedrock or coarse sediment

Oxygenation

Rich production of water insects

Fish spawning ground

Species-rich riparian vegetation

Fine sediments

Luxuriant riparian vegetation

High retention capacity



Water-level fluctuations



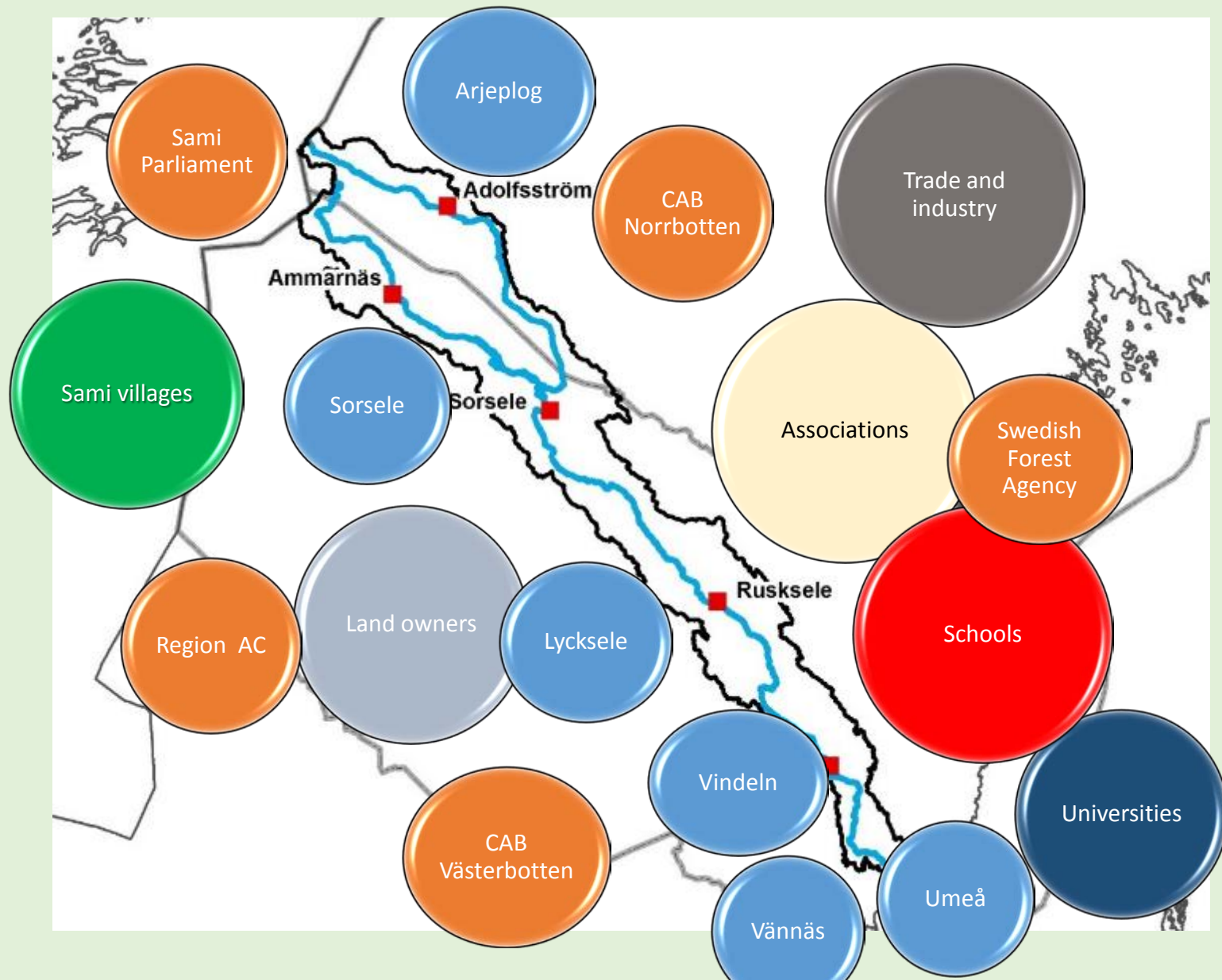
Species-rich riparian zone



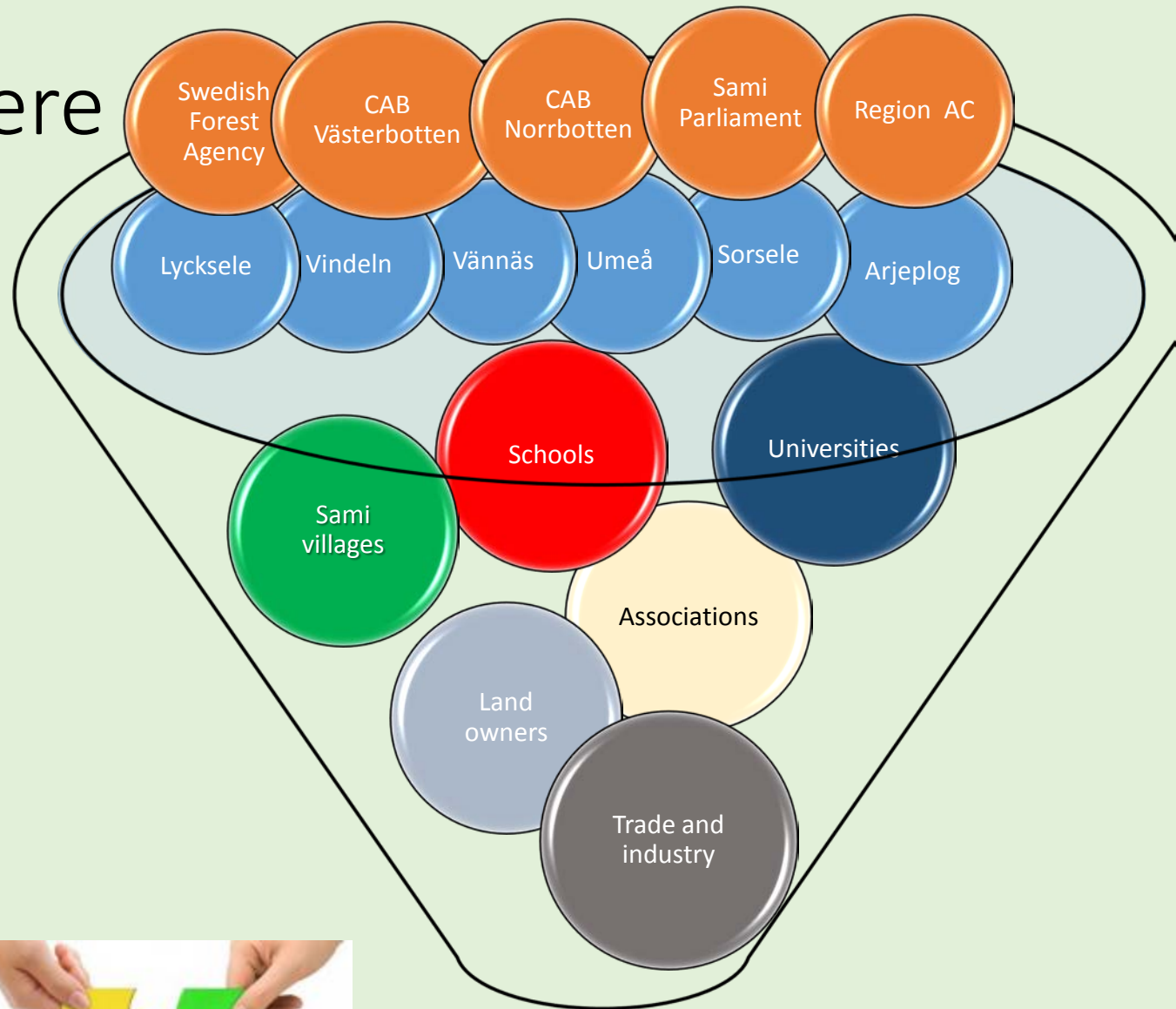


Ecosystem services

Many stakeholders



The biosphere funnel



Holistic approach
to sustainable
development

How to achieve sustainable development?

- Connect stakeholders
- Initiate new collaborations
- Think holistically
- Promote learning and awareness-rising

 contribute to the implementation of Agenda 2030

Assets

- Engaged communities
- Natural resources
- Free-flowing national river
- City and rural areas
- Rich culture
- Unique migratory route
- Great recreational area
- Entrepreneurs
- High-quality research in several fields

Challenges

- Social issues caused by e.g. urbanization
- Few jobs in the central and western parts
- Long distances
- Many stakeholders interested in natural resources (ecosystem services)
- Poor transport options (goods and people)
- Climate change adaptation

Vindelälven- Juhtatdahka

- 104 400 ha Kristianstad vattenrike
- 105 500 ha Östra Vätternbranterna
- 212 800 ha Blekinge arkipelagen
- 278 600 ha Vänerskärgråden
- 308 000 ha Nedre Dalälven
- 636 000 ha Everglades USA
- 898 000 ha Yellowstone, USA
- **1 300 000 ha Vindelälven-Juhtatdahka**
- 3 500 000 ha Altaisky, Russia
- 5 800 000 ha Manicougan Uapishka Canada
- 9 300 000 ha Tsá Túé, Canada
- 15 000 000 ha Southern Appalachians



Steering Board: 17 + 17

- County Administration boards
- WWF
- Mountain municipalities
- Forest municipalities
- Coastal municipalities
- Sami communities 1
- Sami communities 2
- Tourism
- Agriculture
- Forestry
- Mountain villages
- Forest villages
- Coastal villages
- Nonprofit organizations
- Universities
- Fishery
- Region Västerbotten



Thank you!

