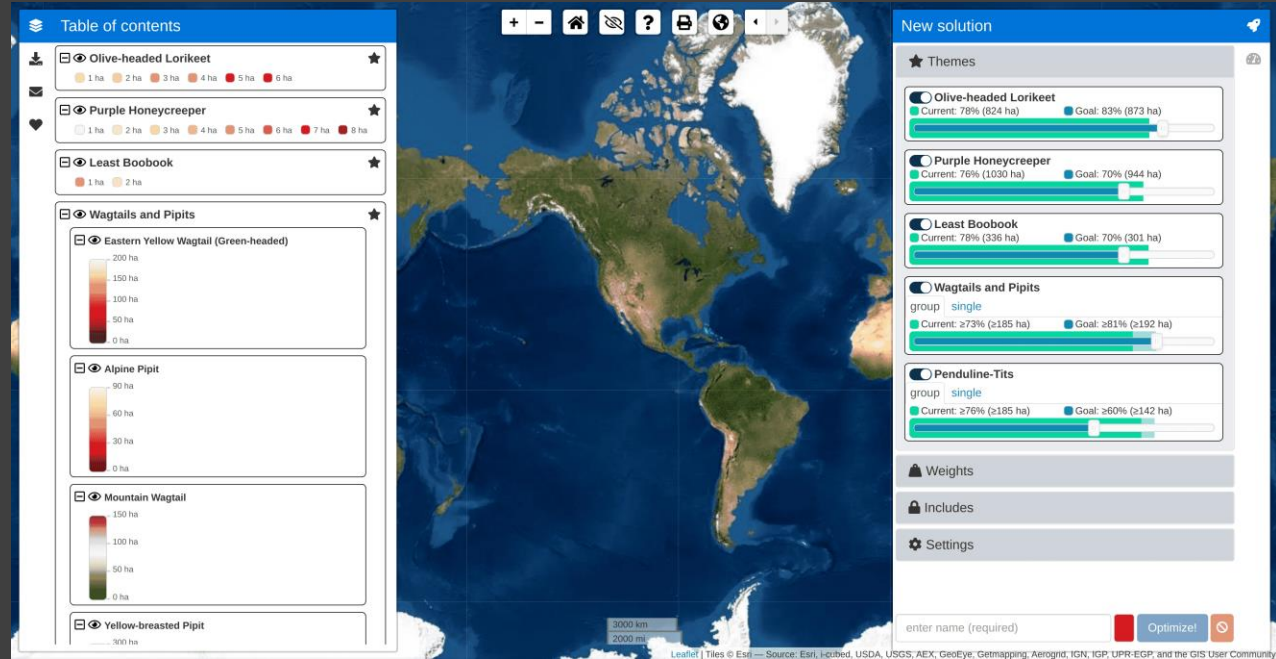


Alliance meeting

Jeffrey Hanson

Where to Work tool

- Interactive design
- Multiple modes
- Fast and accurate
- Explore uncertainty



Solutions in near real-time

The team behind the tool

Bennett Lab, Carleton University

- Jeffrey Hanson
- Jaimie Vincent
- Joe Bennett

Nature Conservancy of Canada (NCC)

- Richard Schuster
- JC Laurence

Research Software Development Team, Carleton University

- Kevin Zhou
- Tanvir Islam
- Jazmin Romero

Demo with Ontario pilot

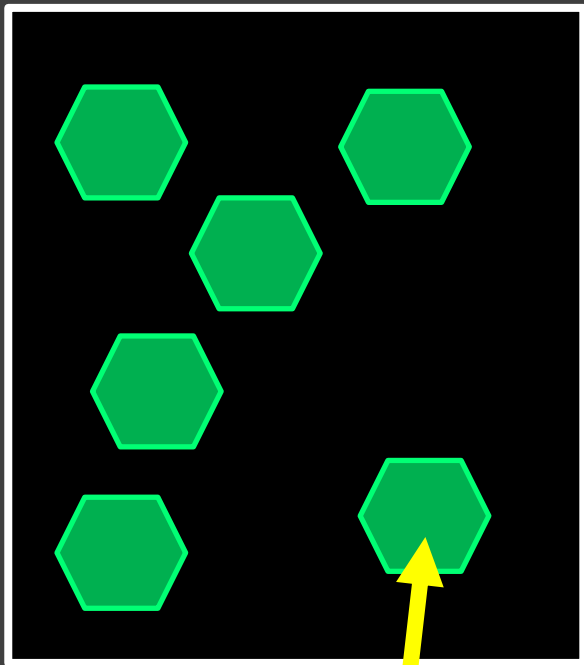
<https://ncc.carleton.ca/>

A comparison of approaches for including connectivity in systematic conservation planning

Jeffrey O. Hanson, Jaimie Vincent, Richard
Schuster, Lenore Fahrig, Angela Brennan,
Amanda E. Martin, Josie S. Hughes,
Richard Pither, Joseph R. Bennett

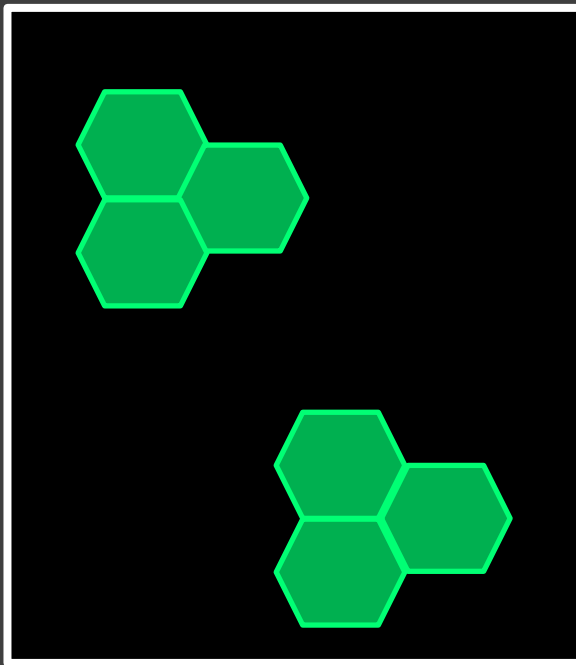
How we normally think about connectivity...

BAD

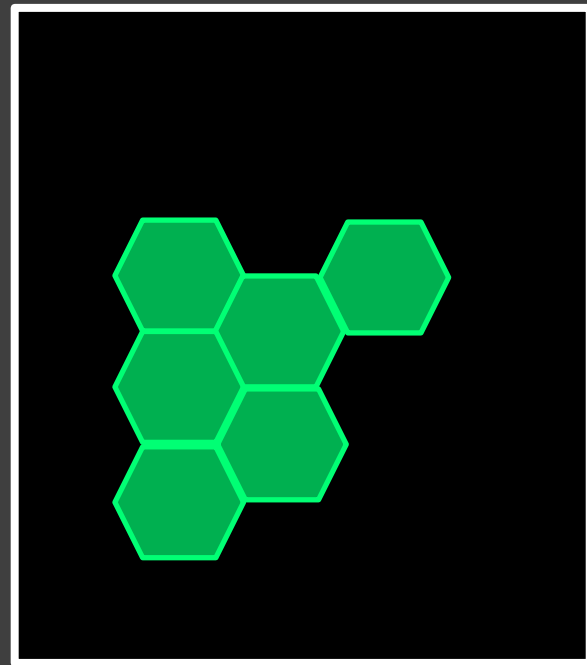


Reserves

BETTER



BEST



But other approaches exist too!

Total area



Human modified areas



Areas that impede movement



Spatial heterogeneity



Species representation

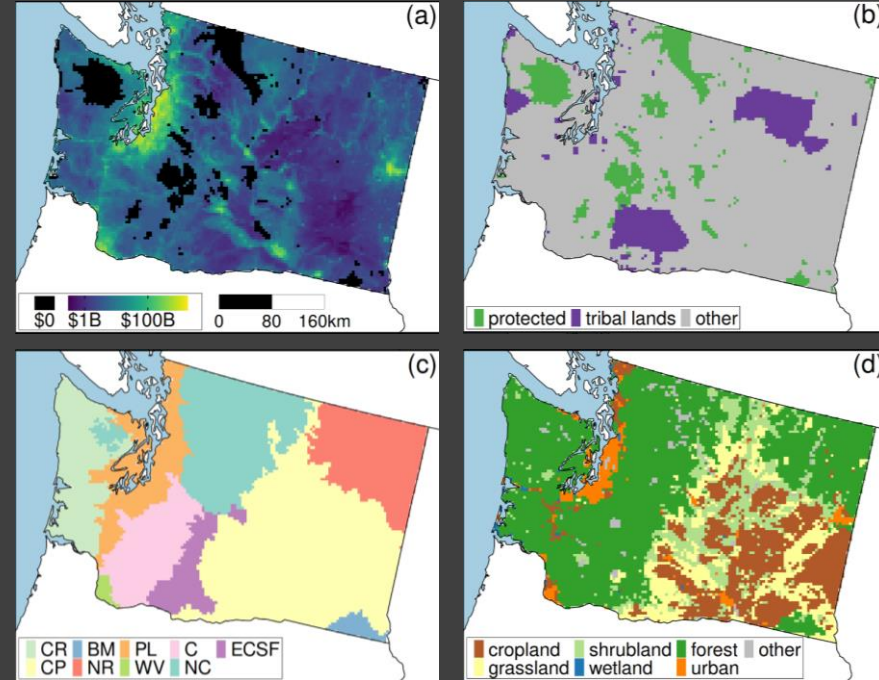


Environmental similarity

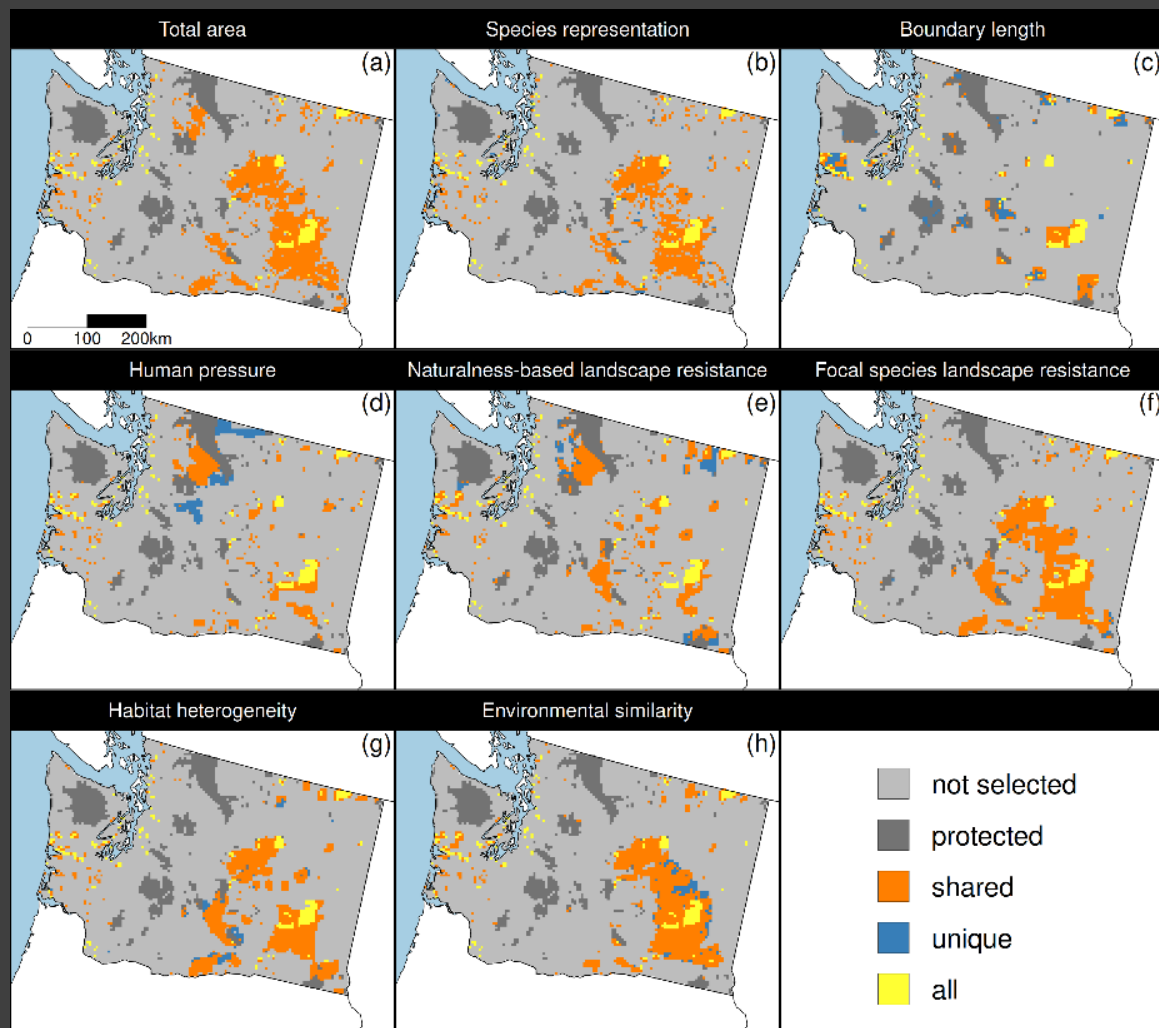


Case study in Washington, USA

- Data for 261 bird species
- Land acquisition costs
- Account for existing land management
- Compare 8 different approaches for promoting connectivity in conservation plans



- Different approaches made different plans
- Some approaches made similar plans
- Some places were selected under plans produced by all approaches



Trade-offs between connectivity approaches

