### Heart Beat of the World – the Crown of the Continent

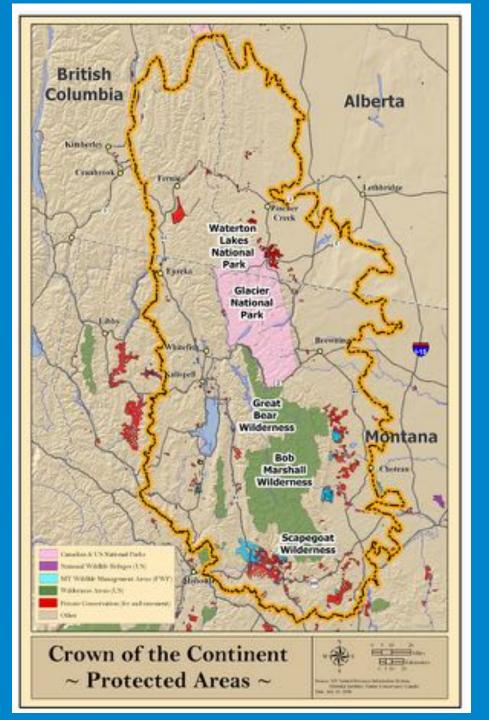
#### Hands Across the Border - September 14, 2016



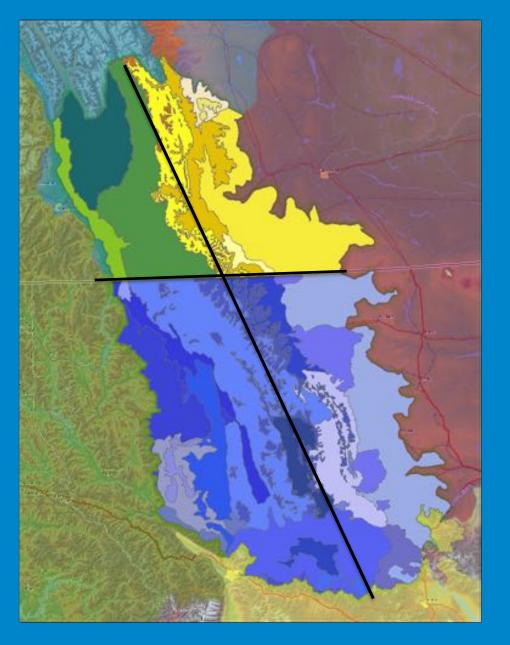
#### www.crownroundtable.org Gary M. Tabor – gary@largelandscapes.org











# **Crown Ecoregions**

Canadian Rockies Columbia Mountains/Northern Rockies Middle Rockies Clear Hills and Western Alberta Uplands Aspen Parkland Northwestern Glaciated Plains



In the Crown...Triple Divide Peak where three continental watersheds connect...

### **Hudson Bay**

### Pacific

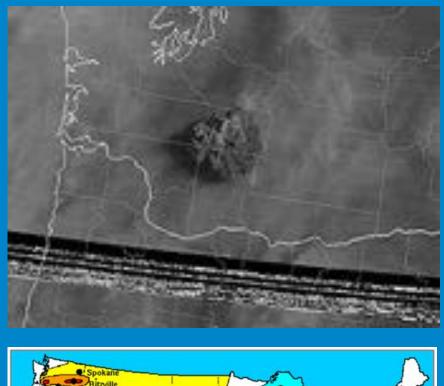
### Atlantic

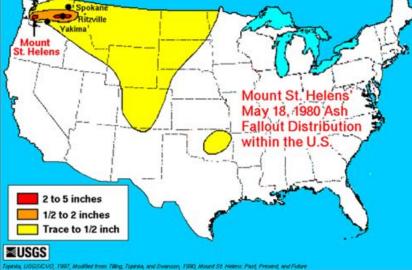
USO

#### International River Basins of **NORTH AMERICA** Yukan Alesek Chilkat Taku Stikine Whiting Fraser St. John elson-Sa skatchewar St. Croix Columbia St. Lawrence Mississippi Colorado Tyuana Yagu Massacre **Rio** Grande Artbonte

Hondo Pedemales





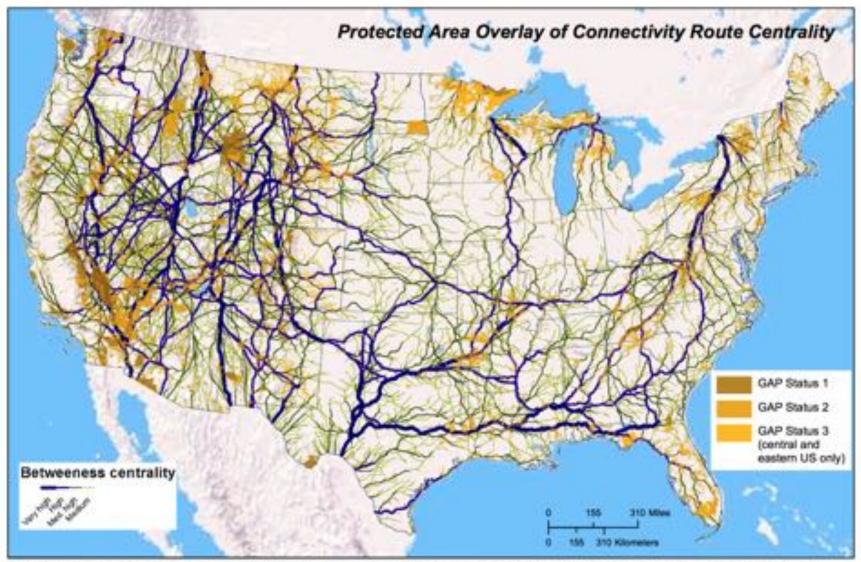




# Connecting Social Scale with Ecological Scale How can we scale up

Large landscape conservation is about – getting people to conserve land at larger ecologically meaningful scales





This map shows connectivity routes that are expected to be most permeable to movement among areas with low degrees of human modification. Betweeness centrality is a metric describing the relative importance of a given connectivity route to the broader landscape configuration. Protected areas (GAP Status 1 and 2 and 3 in the central and eastern US - defined by EPA Ecoregions) are overlaid for reference. This map is intended for illustrative purposes only. Data Sources:

Theobald, D.M., Reed, S.E., Fields, K., & Soulé, M. 2012. Connecting natural landscapes using a landscape permeability model to prioritize conservation activities in the United States. Conservation Letters 5(2): 123-133.

U.S. Geological Survey, Gap Analysis Program (GAP). 2012. Protected Areas Database of the United States (PADUS), version 1.3 Combined Feature Class. Overlay map produced by: Center for Large Landscape Conservation (406) 586-8082. www.largelandscapes.org



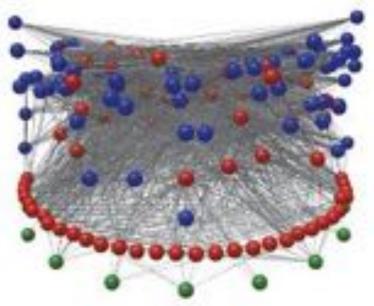
**Organizational Design for 21st Century Challenges** 

### **Networked Communication**

### **Networked Science**

### **Networked Governance**

**Networked Society** 



Adapted from Joel Cohen Keck Lecture NAS 11/11/2011

#### Conservation

Democratic Governance Structures Business Globalization

#### SCALE

TIME

Adapted from Joel Cohen Keck Lecture NAS 11/11/2011

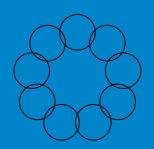
#### Conservation

Universities Religion Culture

Democratic Governance Structures Business Globalization

SCALE

TIME



### Roundtable on the Crown of the Continent:

Connecting People to Sustain and Enhance Culture, Community, and Conservation

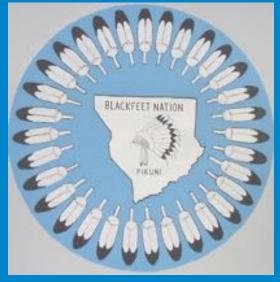


#### One example of linking social scale to ecological scale in addressing climate impacts





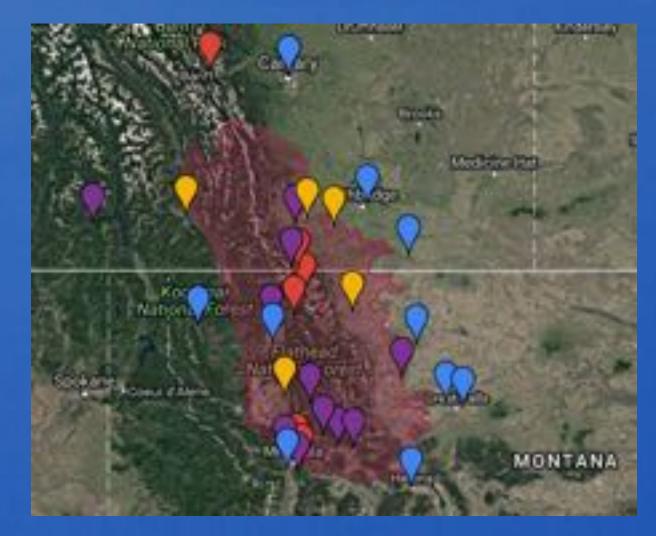


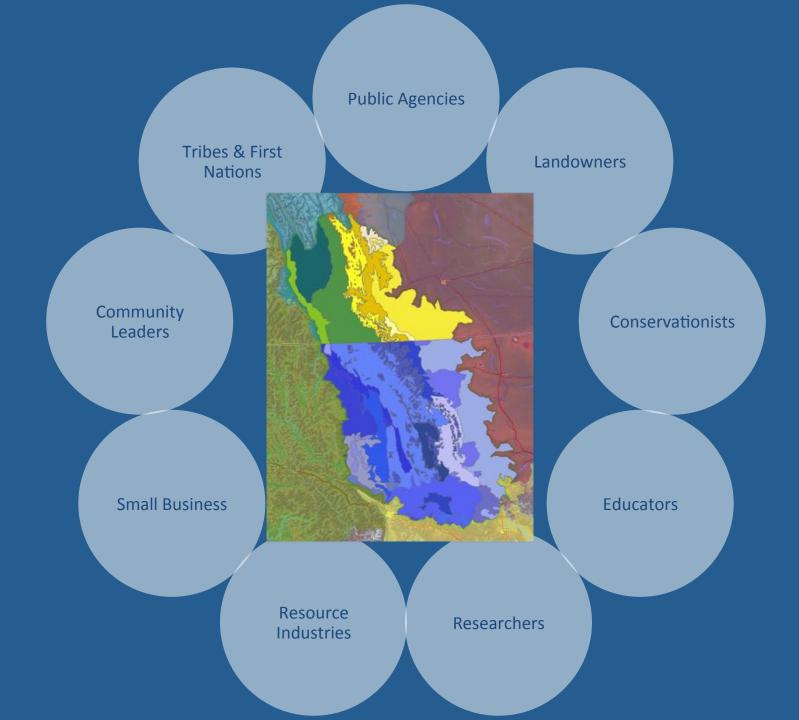




# S'ELISH-KTUNAXA

# Crown of the Continent Initiatives





Designed to be inclusive, the Roundtable's mission and goals are articulated by the Leadership Team.

### **Roundtable Mission**

The Roundtable will promote and enhance culture, community, and conservation in the Crown of the Continent by creating opportunities for leaders and citizens to celebrate and honor place, remember history, and imagine a healthy future for all.

Roundtable Goals

Engage and inspire leaders and citizens within the Crown of the Continent to work together on key issues and opportunities.

Connect people to foster respectful dialogue, share successes, and build community and regional identity throughout the Crown of the Continent.

Build capacity and leverage human and financial resources to solve challenges and build resilience against fluctuations in political will and financial resources.

Catalyze new conversations, partnerships, exchanges, projects, and innovative learning opportunities that address shared interests and help prepare future leaders and citizens of the Crown of the Continent.

### Leadership Team

- Len Broberg University of Montana
- Mike Bruised Head Blood Tribe
- Jean Curtiss Missoula County
- Ian Dyson Alberta Government
- Shannon Frank Oldman Watershed
- Rich Janssen Conf. Salish & Kootenai Tribe
- Shawn Johnson University of Montana
- Steph Legault Y2Y
- Jeff Mow Superintendent Glacier NP
- Sheena Pate Geotourism Council
- Melly Reuling Center Large Landscape Conservation
- Mary Sexton Private landowner
- John Shannon US Forest Service
- Jim Stone Blackfoot Challenge
- Paul Travis Flathead Land Trust
- Melissa Weatherwax Blackfeet Community College



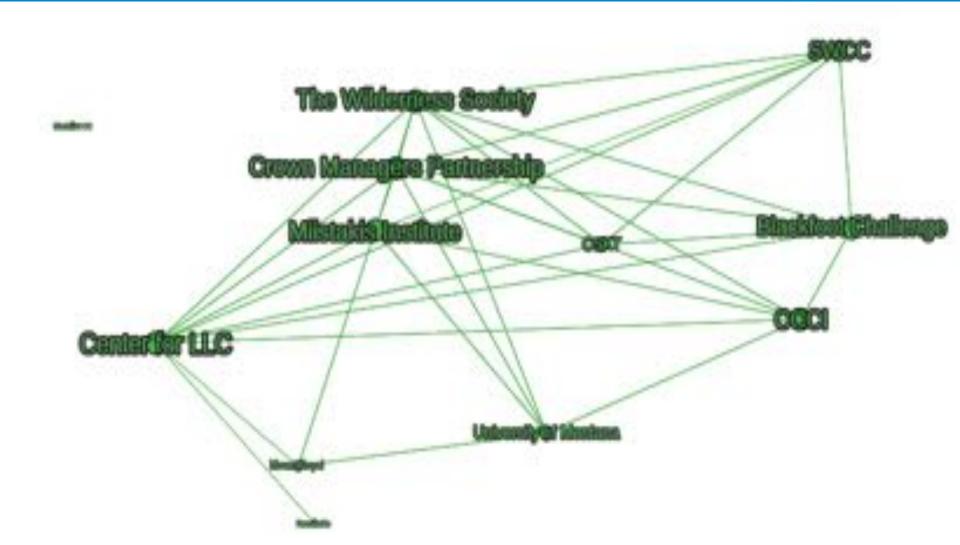


# It takes time...

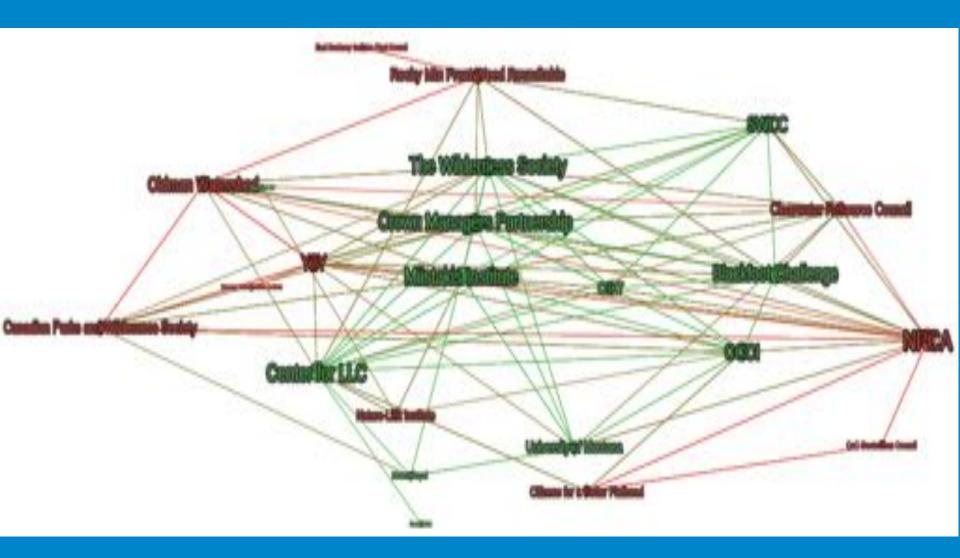
								0011
> 2006	> 2007	> 2008	2009	> 2010	> 2011	> 2012	> 2013	> 2014
affiliated with the Center for Natural Resources & Environmental Policy (CNREP) complete a preliminary inventory of formal and informal initiatives in the COTC to clarify	<ul> <li>The Crown Mangers' Partnership (CMP) invites CNREP to prepare a "communications plan" for CMP to improve both internal and external communications.</li> <li>CNREP and the Lincoln Institute of Land Policy convene a broad-based workshop of about 100 people in Whitefish, Montana to take stock of current and emerging issues and initiatives in the region.</li> </ul>	<ul> <li>CNREP and the Lincoln Institute convene a small workshop of about 30 "leaders" in Kalispell, Montana to explore the idea of a "roundtable" to connect the various initiatives within the region</li> <li>CNREP creates a web site for the Roundtable and a set of GIS maps</li> </ul>	<ul> <li>CNREP completes a "walk-about" to visit with all of the Tribes and First Nations in the region, and convenes a multi-day meeting in Pincher Creek, Alberta with Tribes &amp; First Nations</li> <li>CNREP and the Lincoln Institute convene another workshop with recognized leaders in the region at Glacier National Park to continue exploring ways to connect people and organizations in the Crown of the Continent</li> </ul>	<ul> <li>CNREP invites the Center for Large Landscape Conservation (CLLC) to come alongside and co-direct the Roundtable</li> <li>CNREP and CLLC convene a "government" dialogue in Polson, Montana to explore opportunities and challenges in the region</li> <li>CNREP, Lincoln Institute, and CLLC organize and convene the 1<sup>st</sup> Annual Conference in Waterton, Alberta</li> <li>CNREP produces a foundational policy report on issues and options facing the region</li> <li>CNREP, CLLC, and other partners launch "Friends of the Crown"</li> </ul>	<ul> <li>CNREP, Lincoln Institute, and CLLC organize and convene 2<sup>nd</sup> Annual Conference in Polson, Montana; the Confederated Salish and Kootenai Tribes (CSKT) co-host the Conference</li> <li>CNREP and CLLC invite stakeholder to form the "founding" Leadership Team</li> <li>Leadership Team</li> <li>Leadership team develops and adopts <i>Terms of Reference</i> for governing the Roundtable</li> <li>CNREP and CLLC prepare a proposal to the Kresge Foundation for core operations support, including the annual conference (grant awarded)</li> </ul>	<ul> <li>CNREP and CLLC (staff), in consultation with the Leadership Team, prepare a proposal to the Kresge Foundation for an Adaptive Management Initiative (AMI) (grant awarded)</li> <li>Leadership Team and staff solicit and evaluate proposals for the AMI and eventually award grants to 12 projects</li> <li>Leadership Team and staff organize and convene the 3<sup>rd</sup> Annual Conference in Fernie, British Columbia and prepare 2012 Update</li> <li>Leadership Team and staff prepare and adopt first Strategic Plan</li> </ul>	provide assistance to implement AMI projects, including contract administration, regular learning sessions, and project- specific support. • CNREP and CLLC (staff), in consultation with the Leadership Team, prepare a follow-up proposal to the Kresge Foundation to continue the Adaptive Management Initiative (AMI) (two- year grant awarded) • Leadership Team and staff organize and convene the A <sup>th</sup>	<ul> <li>New Support Team structure goes into place</li> <li>Short film on the Roundtable produced and shared</li> <li>Leadership Team, Support Team, and local planning team organize and convene the 5<sup>th</sup> Annual Conference in Waterton Lakes, AB</li> <li>New Leadership Team members added, representing Missoula County and the Blackfeet Community College</li> <li>Tribal Gathering added to start of Annual Conference</li> <li>Adaptive Management projects move forward</li> </ul>

funded

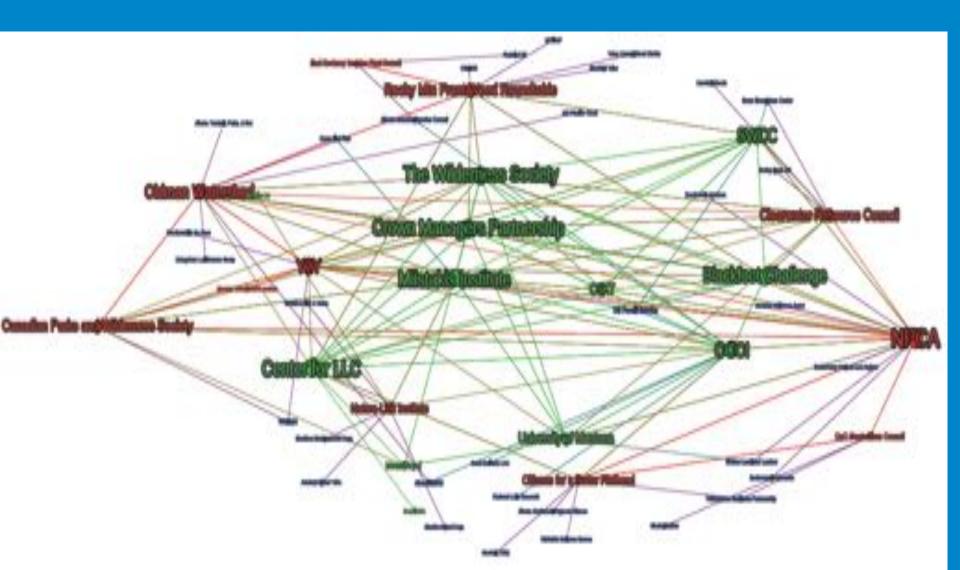
# Adaptive Management Organizations Year 1



## Adaptive Management Organizations Year 2

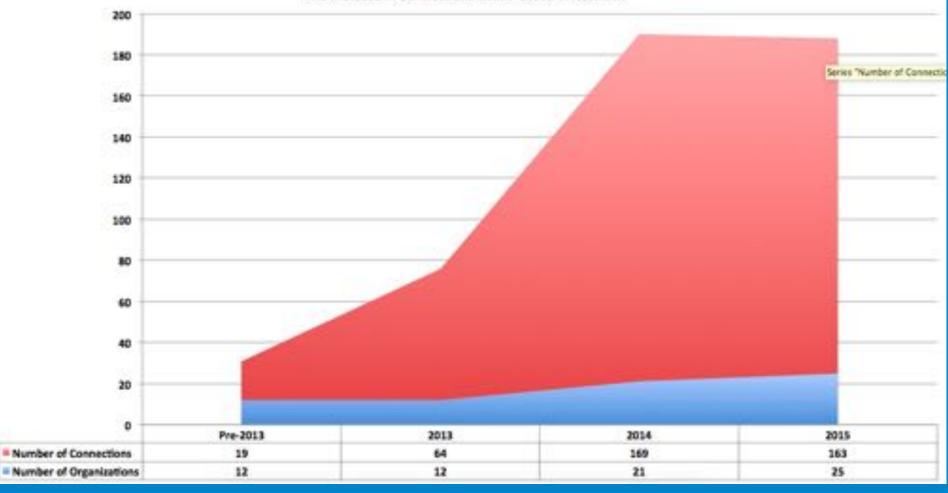


# Adaptive Management Organizations Year 3



# **Exponential Growth**

The Increase in Connections within the AMI Network



#### COMMUNITY MEETING



### THE ONLY SOLUTION BIG ENOUGH!

WITH MONTANA STATE SENATOR JENNIFER FIELDER & MONTANA STATE REPRESENTATIVE KERRY WHITE

#### 6PM TUESDAY SEPT 20 Swan Community Center Condon, MT

COME LEARN ABOUT THE LAWFUL, PEACEFUL PATH TO RESTORE BALANCE FOR A HEALTHY ENVIRONMENT, ABUNDANT OUTDOOR RECREATION, & SAFE, VIBRANT COMMUNITIES!

Sponsored by: The American Lands Council Foundation 859 W. South Jordan Plowy Suita 200 – South Jordan, UT \$4095 (801) 252-6622 www.AmericanLands/Council.org



#### THE SWAN & MISSION RANGE

A legacy to make Bob (Marshall) proud!





Land Fragmentation

Pollution

**Climate Change** 

Ozone Hole

Species Loss

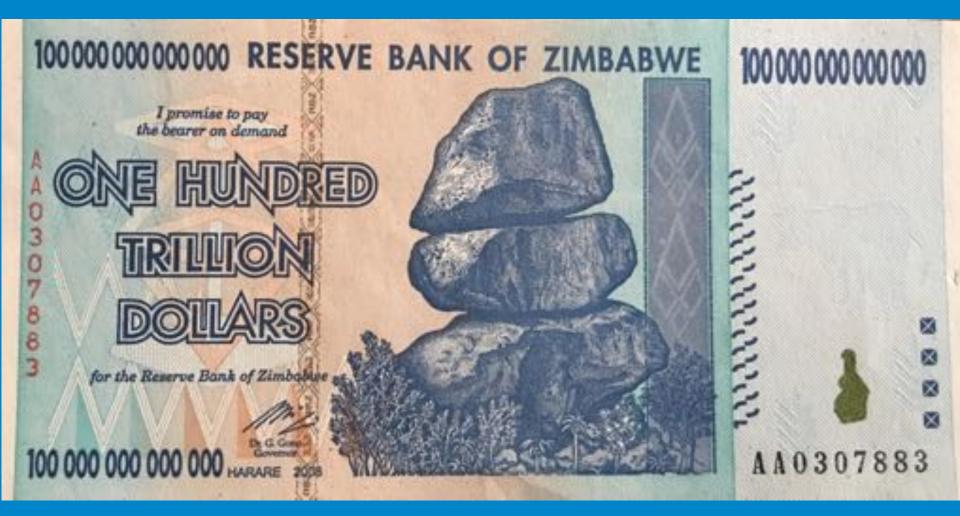
Trophic Collapse

Operating Space for Humanity and Nature



Work Food Security Poverty Health Economy **Civil Rights** 

Adapted from Rockstrom et al. 2009



# One Giant Leap: Saving the Planet – One Large Landscape at a time.

#### www.largelandscapes.org



