TREES AROUND THE WORLD
USE OF CITIZEN SCIENCE FOR LANGUAGE REVITALIZATION
“OUR CONNECTION TO THE LAND”
KALISPEL SALISH
UN Declaration on the Rights of Indigenous Peoples, which in Article 14 states that “Indigenous peoples have the right to establish and control their educational systems and institutions providing education in their own languages, in a manner appropriate to their cultural methods of teaching and learning.”
Why Indigenous Languages?

- **Knowledge**: Unique systems of knowledge and understanding of the world.
- **Peace**: Sustainable development, investment, peace building and reconciliation.
- **Rights**: Fundamental human rights and freedoms for indigenous peoples.
- **Inclusion**: Social inclusiveness, literacy, poverty reduction and international cooperation.
- **Diversity**: Cultural values, diversity and heritage.
About LandMark

What is LandMark?

LandMark is the first online, interactive global platform to provide maps and other critical information on lands that are collectively held and used by Indigenous Peoples and local communities. The global platform is designed to help Indigenous Peoples and communities protect their land rights and secure tenure over their lands. LandMark provides several categories of data to show the land tenure situation for Indigenous Peoples and communities, as well as potential pressures on their lands, changes in land cover over time, and their contributions to protecting the environment.

The following categories of data are available on LandMark:

- Land rights
- Land use
- Natural resources
- Infrastructure
- Settlements
- Climate change
- Conflict
- Land use change
- Environmental indicators
- Socioeconomic indicators
- Governance

Who could use LandMark?

Who could use LandMark?

Why was LandMark developed?

Who is involved in LandMark?

- Steering Group
- Operations team
- Supporters

What does it mean to have a map?

Photo credit: Thomas Muller/SPDA Peru
KALSPEL'S ABORIGINAL TERRITORY TO 1903

map by Ancoinets Cook

MAP 1. The Pacific Northwest and Aboriginal Kalispel Territory
Compress 9,000 years of timeline
Lewis & Clark arrived at 11:28 pm
Liye?
sxʷéʔli
Camas (Camassia)
Expert

Intermediate

Entry

7-5 business hours
Stays in the classroom
No hands on
Limited resonance
Lowest tier does not have access to higher info
A healthy language is spoken at all levels. Daily life

More dynamic. Permeates tiers Practical use Outside working hours
Citizen science and language

- Open spaces
- Everyone can contribute
- Supports different teaching methods “not only what you teach but HOW you teach it”
- Hands-on
- Volunteers
- Low-budget
- Resilient
- “Train like you fight”
- Protocols are concise/ enables rapid language acquisition
- THOUGHT PROCESS/RECONNECTION IN ORIGINAL LANGUAGE
- URGENCY to collect data Elders TEK/Landscape data.
“One child, one teacher, one pen and one book can change the world.”

-Malala Yousafzai
lemlmtš!

Johnny Arlee
Francis Cullooyah
Stan Bluff
Terry Andrews

-KLSS-
Jessie Isadore
Todd Ellingburg

Salish School of Spokane
Chris Parkin

-Sylix Language House
Michelle Johnson

Karen C. Roark - EPDC
Daniella Scalice - NASA Astrobiology
Ali Guerneros - AMES
Isabel Carrera - NESSP