



# Local knowledge

Vs

AI



# Outline

**The Nature of Local knowledge**

**The Nature of AI**

**In what ways can indigenous peoples utilize both forms of knowledge for sustainable development?**

## PEOPLES OF THE WORLD

### Map of historical nations and ethnic groups

PUBLICADO Y EDITADO POR POBALS AN DOMHAIN	POPULI DES MÜNDU PEUPLES DU MONDE VÖLKER DER WELT POVOS DO MUNDO PUEBLOS DEL MUNDO
POBALS POBALS POBALS POBALS POBALS	AN DOMHAIN AN DOMHAIN AN DOMHAIN AN DOMHAIN AN DOMHAIN

ДЛЯ СОЛНЦА	НАРОДЫ ТЕРРО-СВЕТА	НАРОДЫ СВЕТА
МУЗЫКА ТАУТОС	НАРОДЫ СВЕТА	МУЗЫКА НЕБИЛ
ТАМ ПАСАЖИРЕ	НАРОДОВ СВЯТИА	ПОПУЛЯР БИТЫ
АЛЬМА БАЙЧИСТЕЛЕ	СВЈЕТСКИХ НАРОДА	ААЧ ТОУ КОЕНОН
ДЛЯ НАШИХ КАДРОВ	НАРОДЫ МУЗЫКИ	ДЛЯ НАШИХ КАДРОВ

GELEN DINYKHÉ	KHOUADOURA BI	DIA TOC
شُرُب الْمَلَك	جُنْدِيَّةٌ بِـ	
GUANZHONG-DIYU-CHENGJIANG-SUO	BANGSA KH DUNKA	
WATU NUA ULUMHINNU	便署人頭	
	便署人頭	

24



# A world map of historical ethnicities. : r/MapPorn

# Natural Resources

river  
forest



# **Development**

**environment, society, and the economy.**





- land grabs
- resource exploitation
- encroachment on the ancestral lands of indigenous peoples.



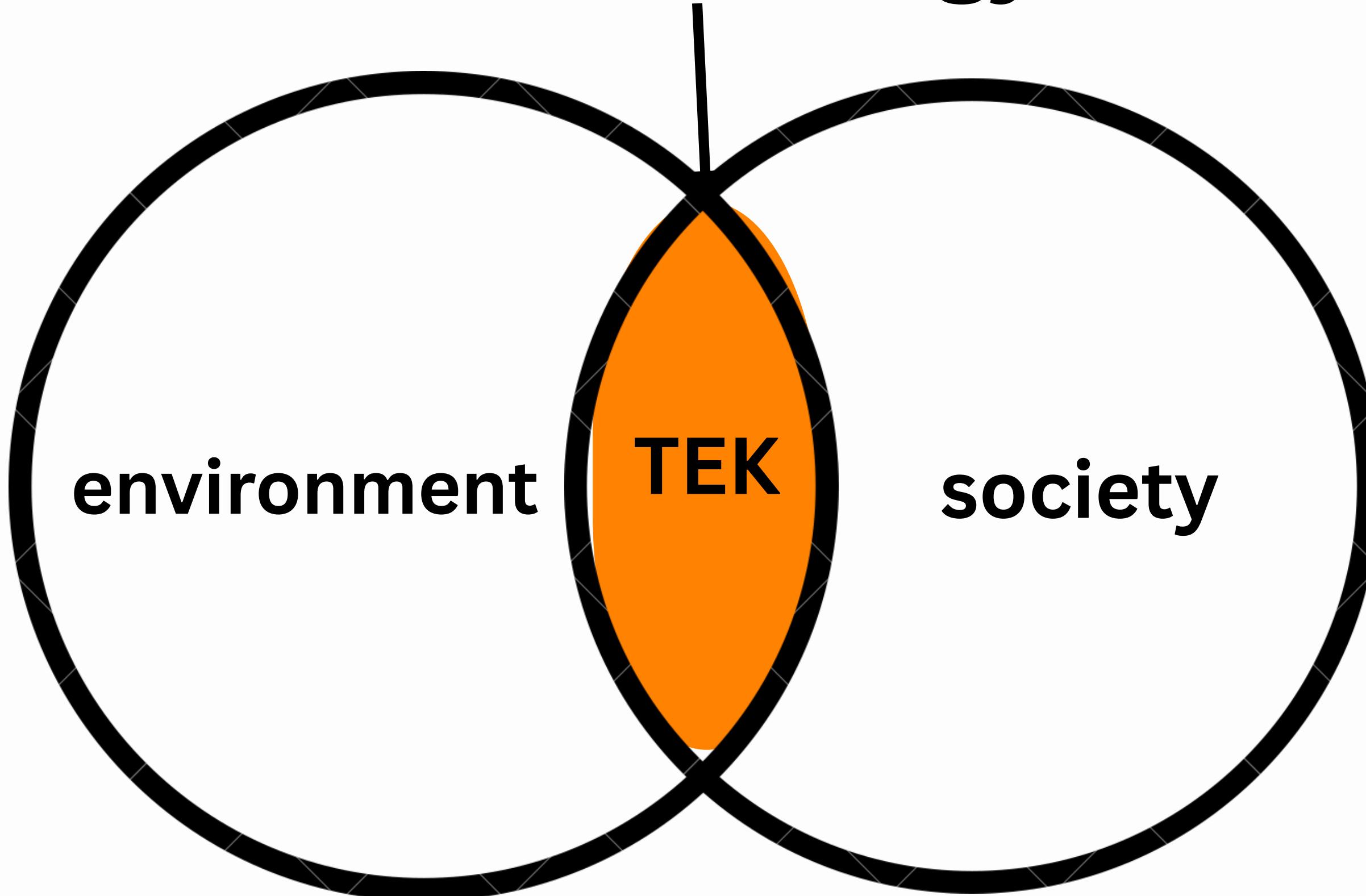
**In what ways can AI assist in safeguarding indigenous natural resources and preserving indigenous knowledge?**





**Indigenous peoples may need to explore the integration of local knowledge with AI to reclaim resource management rights.**

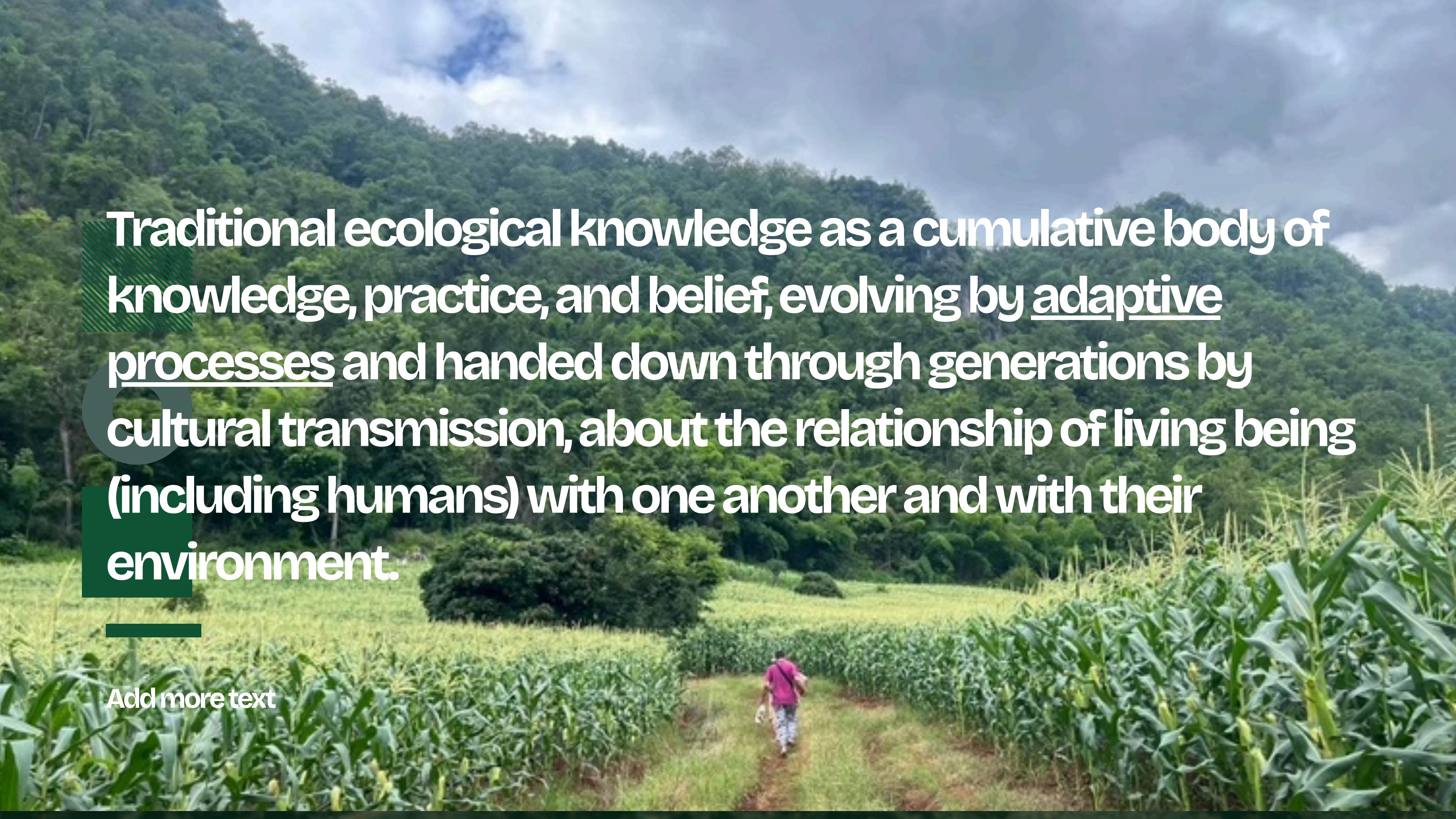
# cultural ecology



sustainable development

# Traditional Ecology Knowledge, Berkes (1999)





**Traditional ecological knowledge as a cumulative body of knowledge, practice, and belief, evolving by adaptive processes and handed down through generations by cultural transmission, about the relationship of living being (including humans) with one another and with their environment.**

---

Add more text

# local knowledge



**Ecological knowledge-** knowledge of relationships of living beings with one another and with their environment.



**Artificial** -made by people, often as a copy of something natural  
**Intelligence**-the ability to learn, understand, and make judgments or have opinions that are based on reason:

(Cambridge dictionary)

## Local knowledge

AI

**mode of learning**

community of practices, While learning from a model, the result may differ.

imitation, The products will be similar to the prototypes.

**relationship**

human and nature  
nature and nature

data/ information based

**property**

common property

private property, ?

**community**

+++

+

**outcome**

slow, depends on relationship between old timers and new comers

data processing and analysis depend on the input and technology.

**knowledge**

context

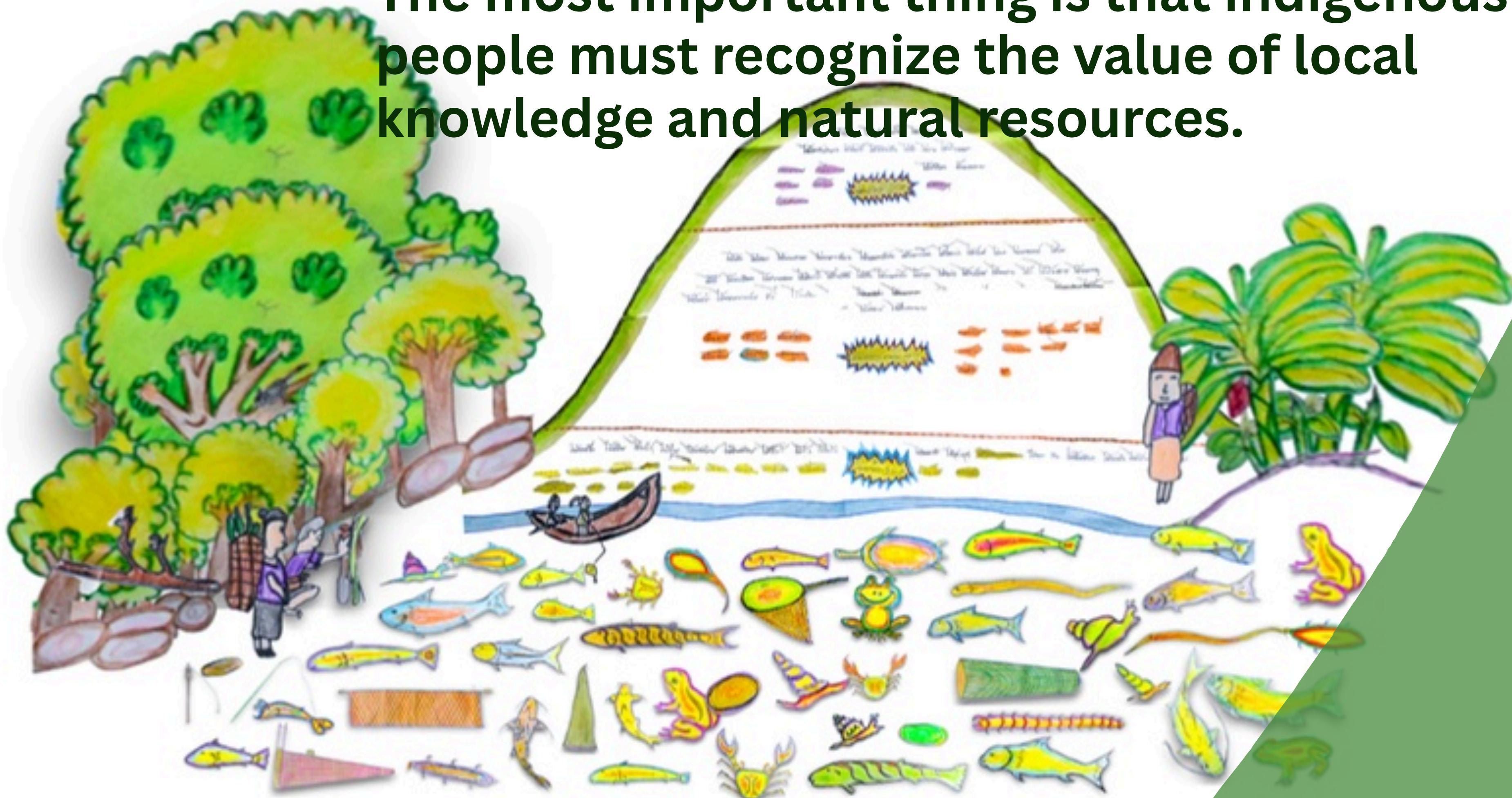
context, global

# In what ways can indigenous peoples utilize both forms of knowledge for sustainable development?

Examine policy frameworks that support indigenous rights to land and resources, emphasizing the role of technology in these legal contexts.

AI plays a role in monitoring environmental changes and how this information can empower indigenous peoples in their land stewardship efforts.

The most important thing is that indigenous people must recognize the value of local knowledge and natural resources.





# To be concerned

---

AI may produce biased or irrelevant results if the data lacks local perspectives.

AI can process and analyze data (local knowledge). Therefore, this knowledge may be leveraged or exploited for profit.

# Discussion