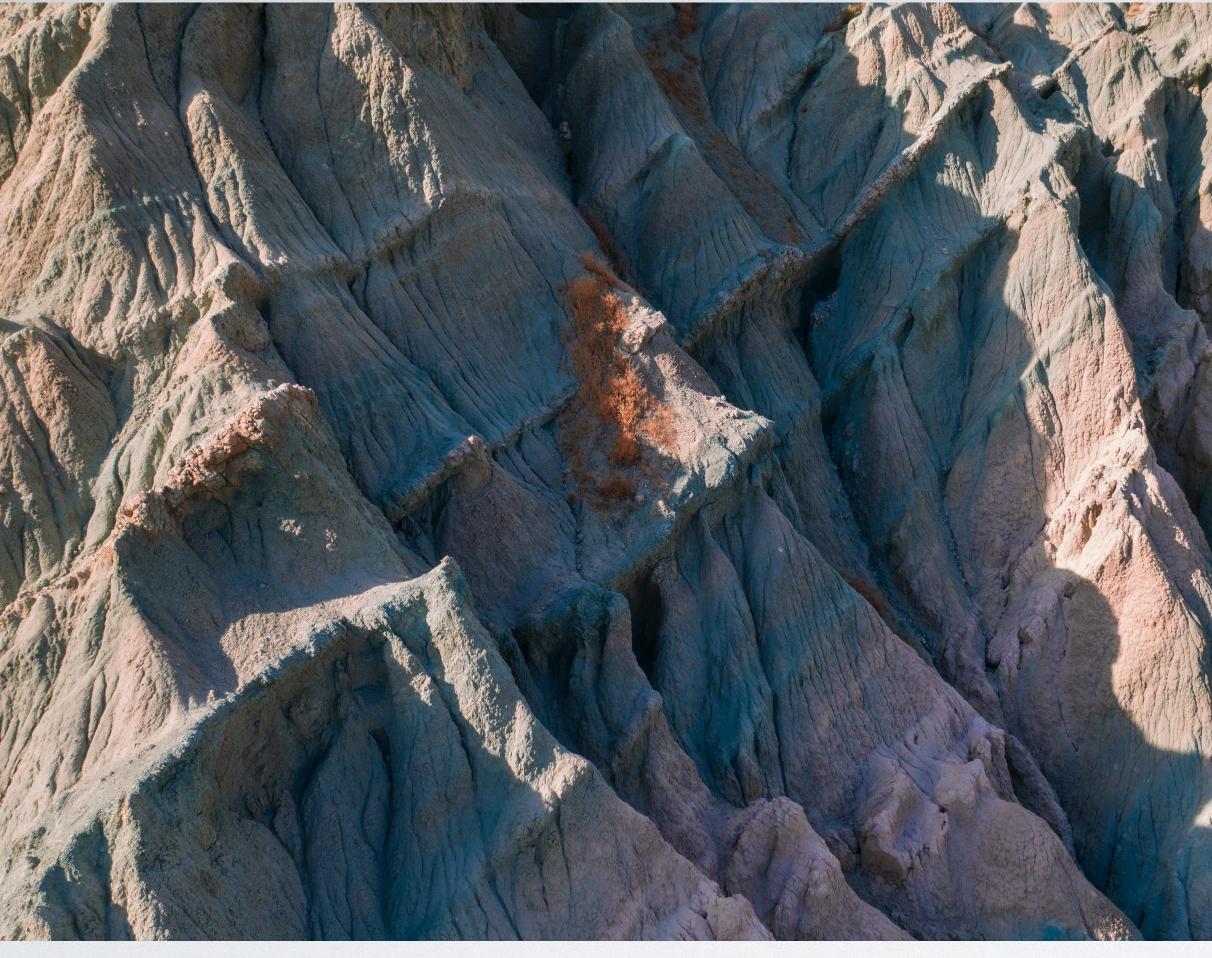
## **Political-Economic Geography** And Map Making

## For Speculative Worlds

Susan Forest

Photo Credit: Benjamin Gremler: Unsplash





#### Photo Credit: Dan Meyers Unsplash

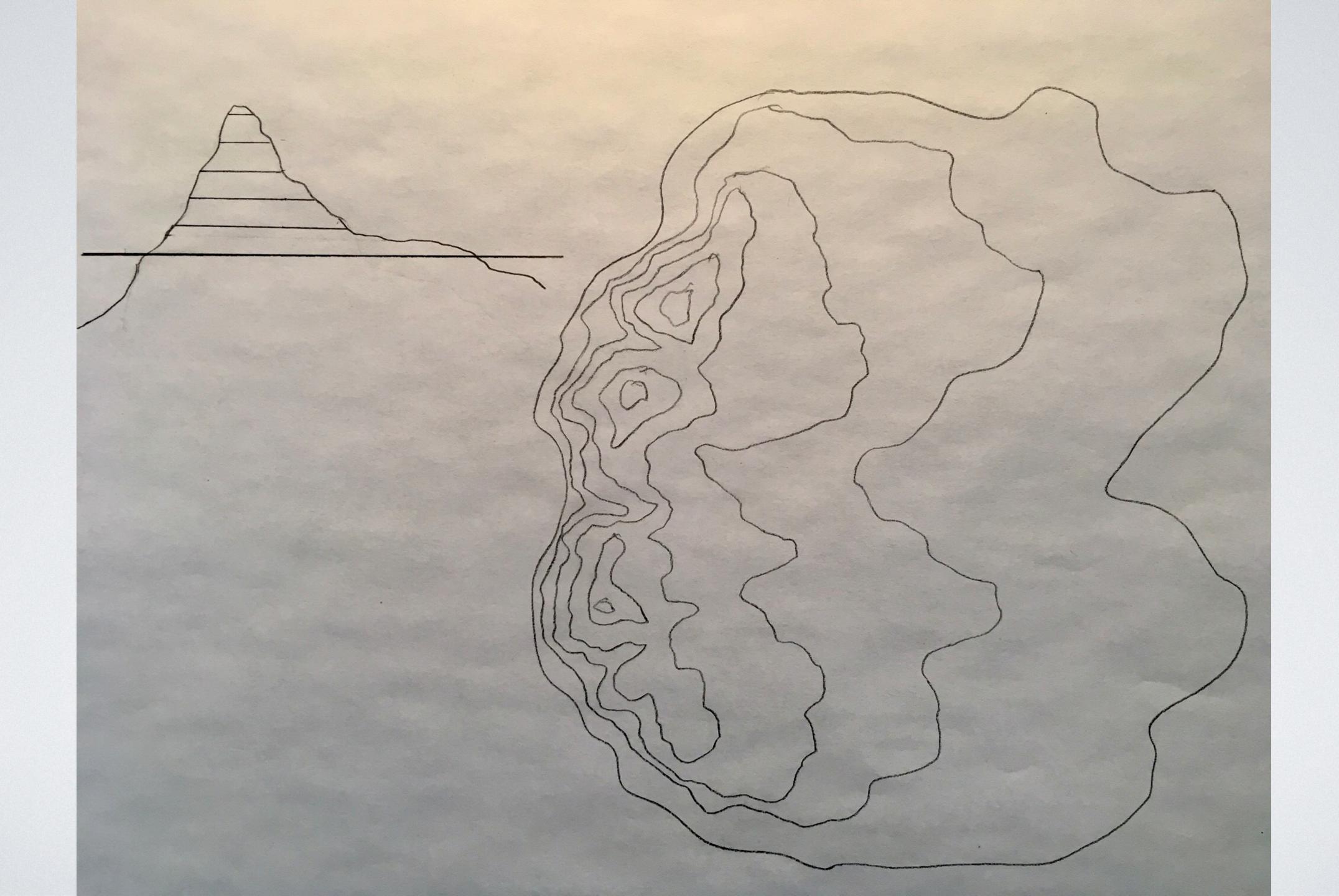
#### **Plate Tectonics**

## Mountains, Altitude

## Plateaus, Lowlands, Hanging Valleys

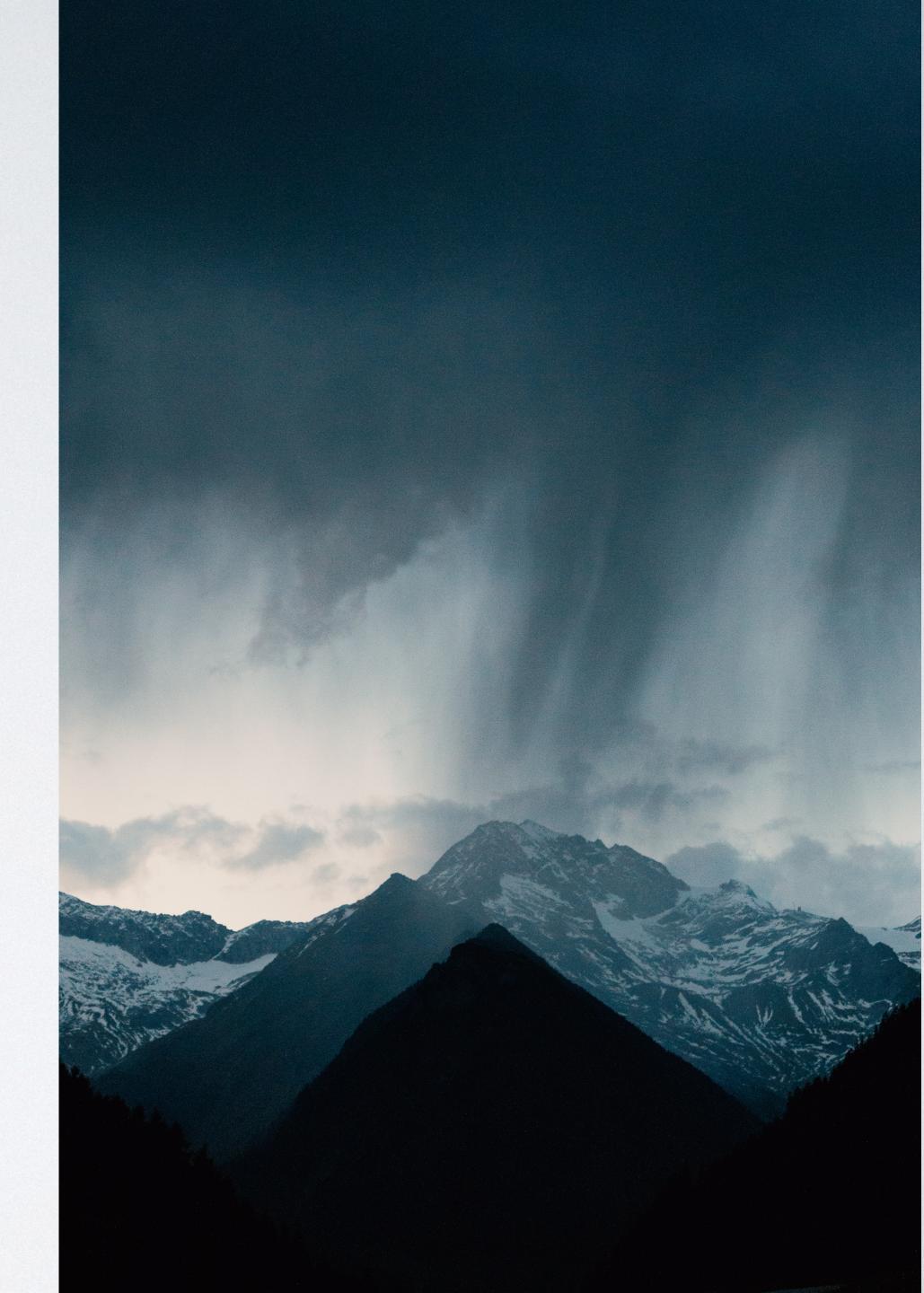
Mining Smelting

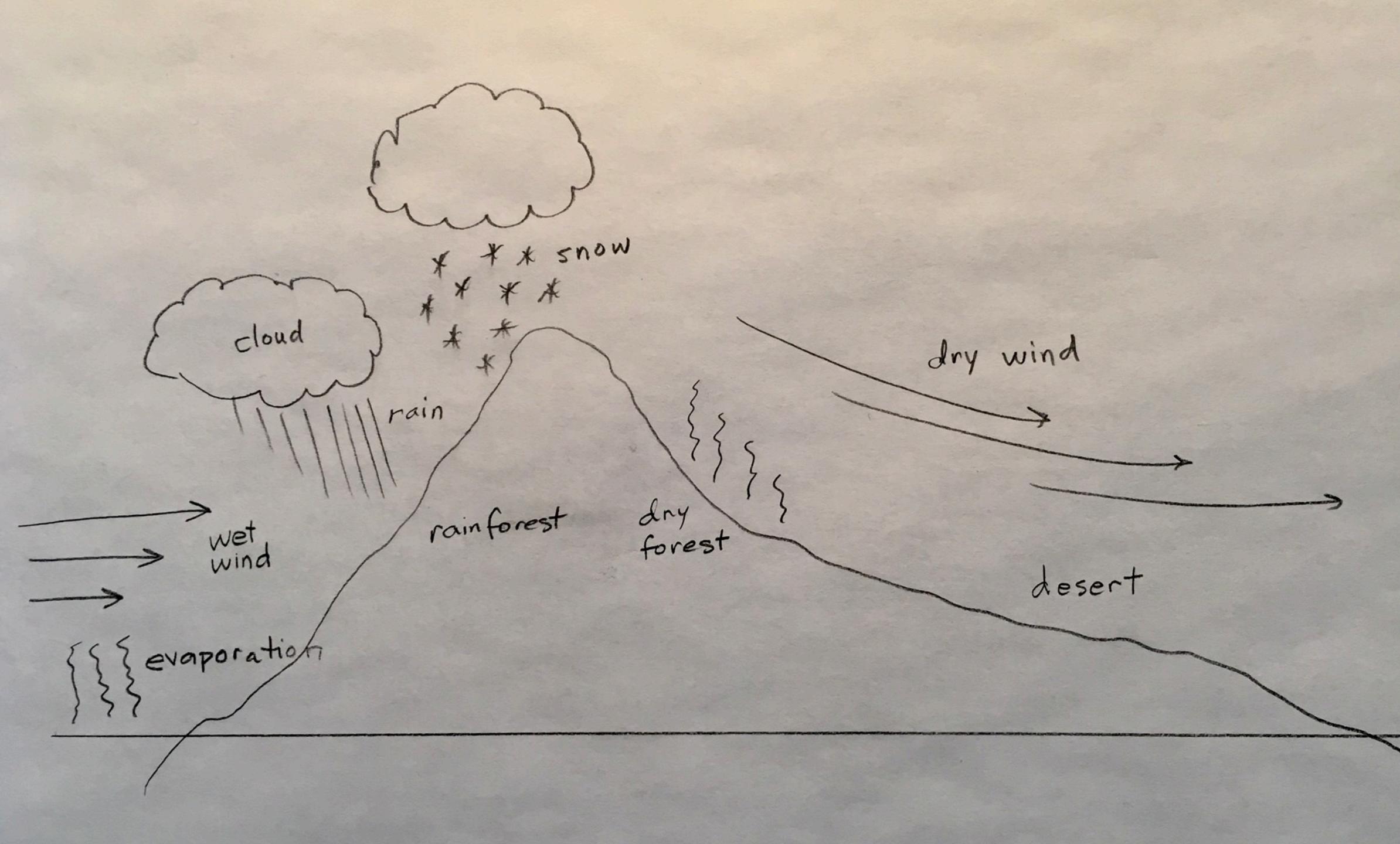




## Prevailing winds Rainshadows Deserts

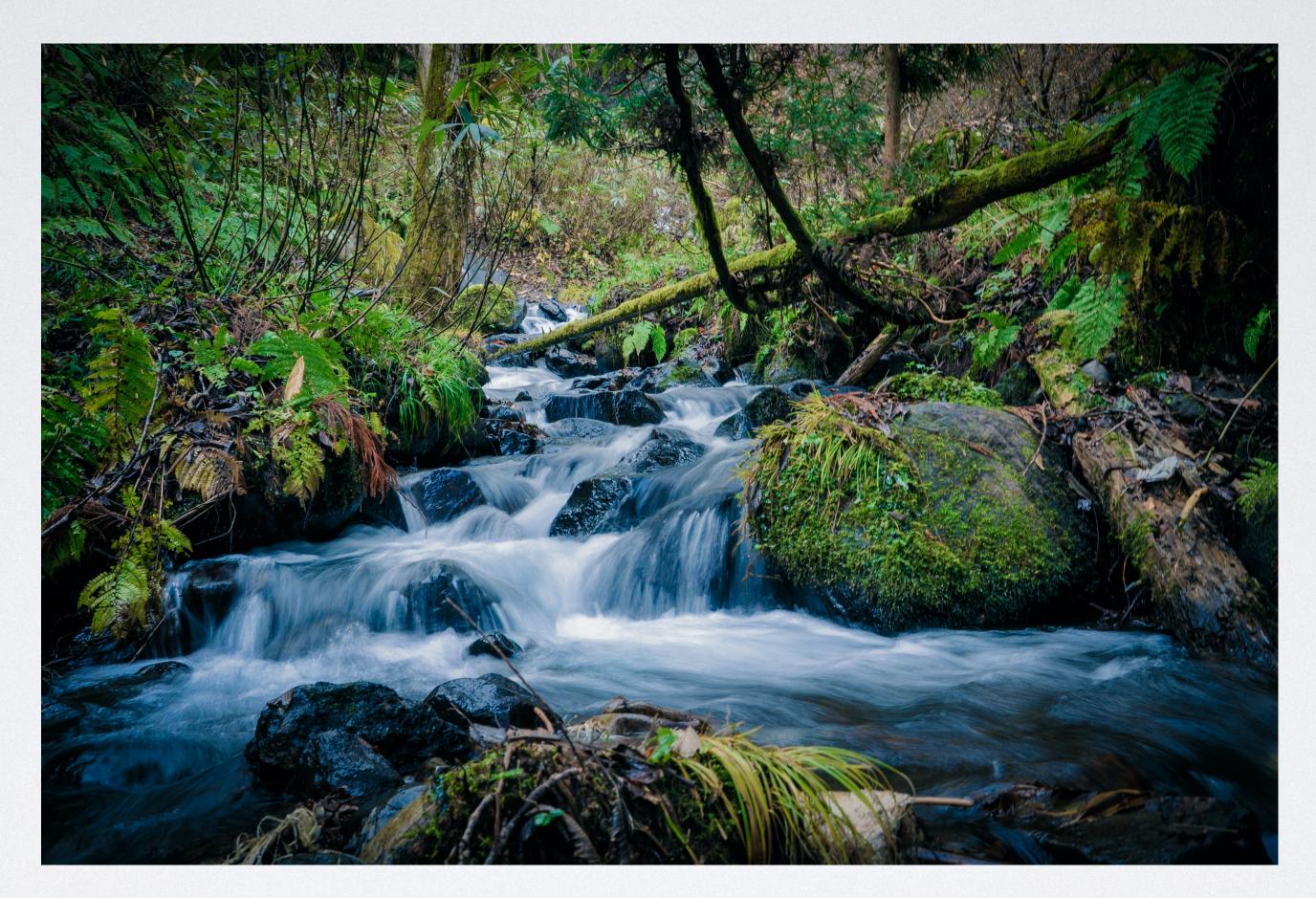
Photo by <u>eberhard grossgasteiger</u> on <u>Unsplash</u>





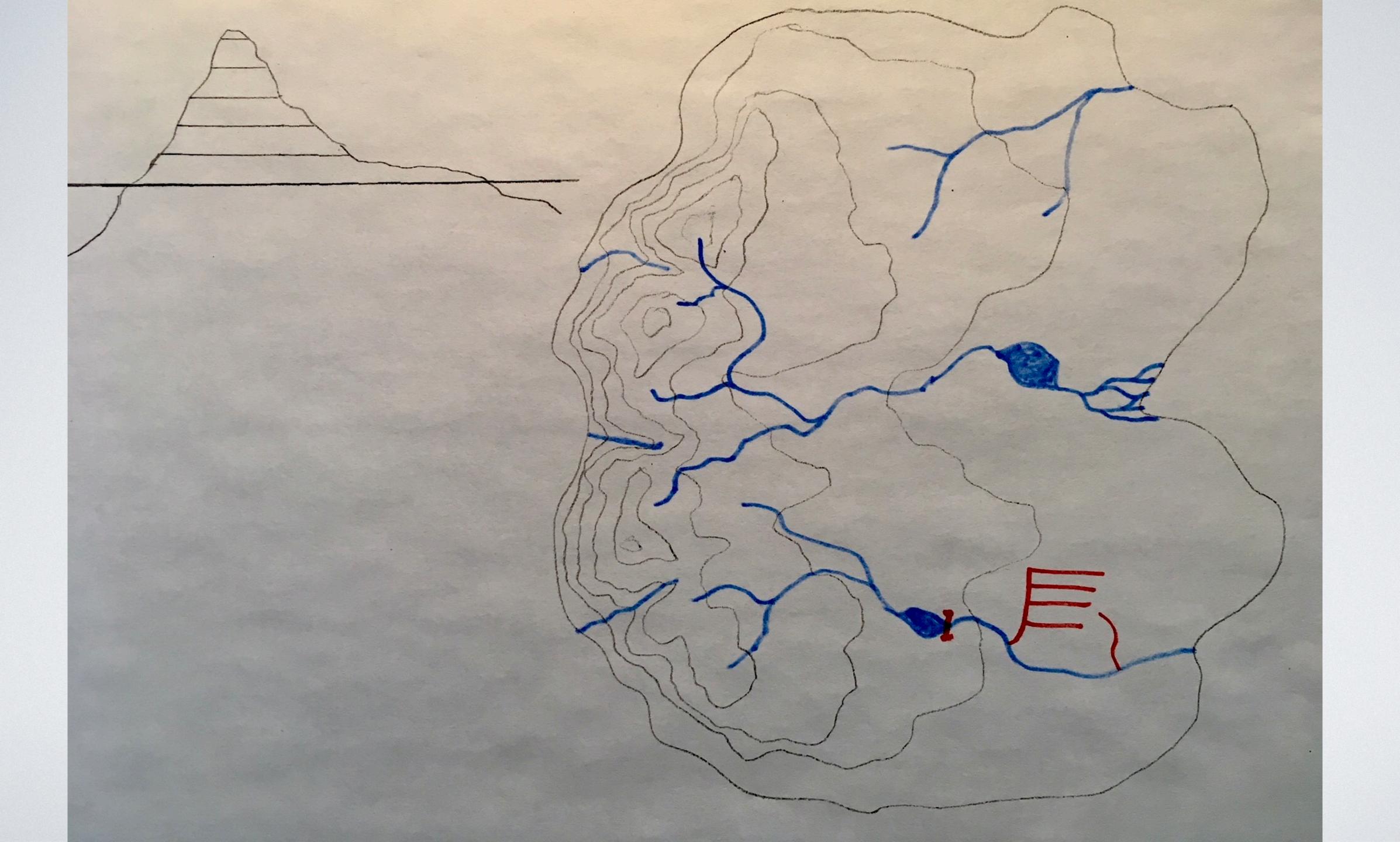


# Water always runs downhill



#### Photo by Leo Rivas on Unsplash





### Rivers meander...



#### Deltas Lakes on Flat Areas

Photo by Wynand Uys on Unsplash

Dams Irrigation Terracing

#### Plains Crops (eg: grains)

## Valley heat allows fruit growing

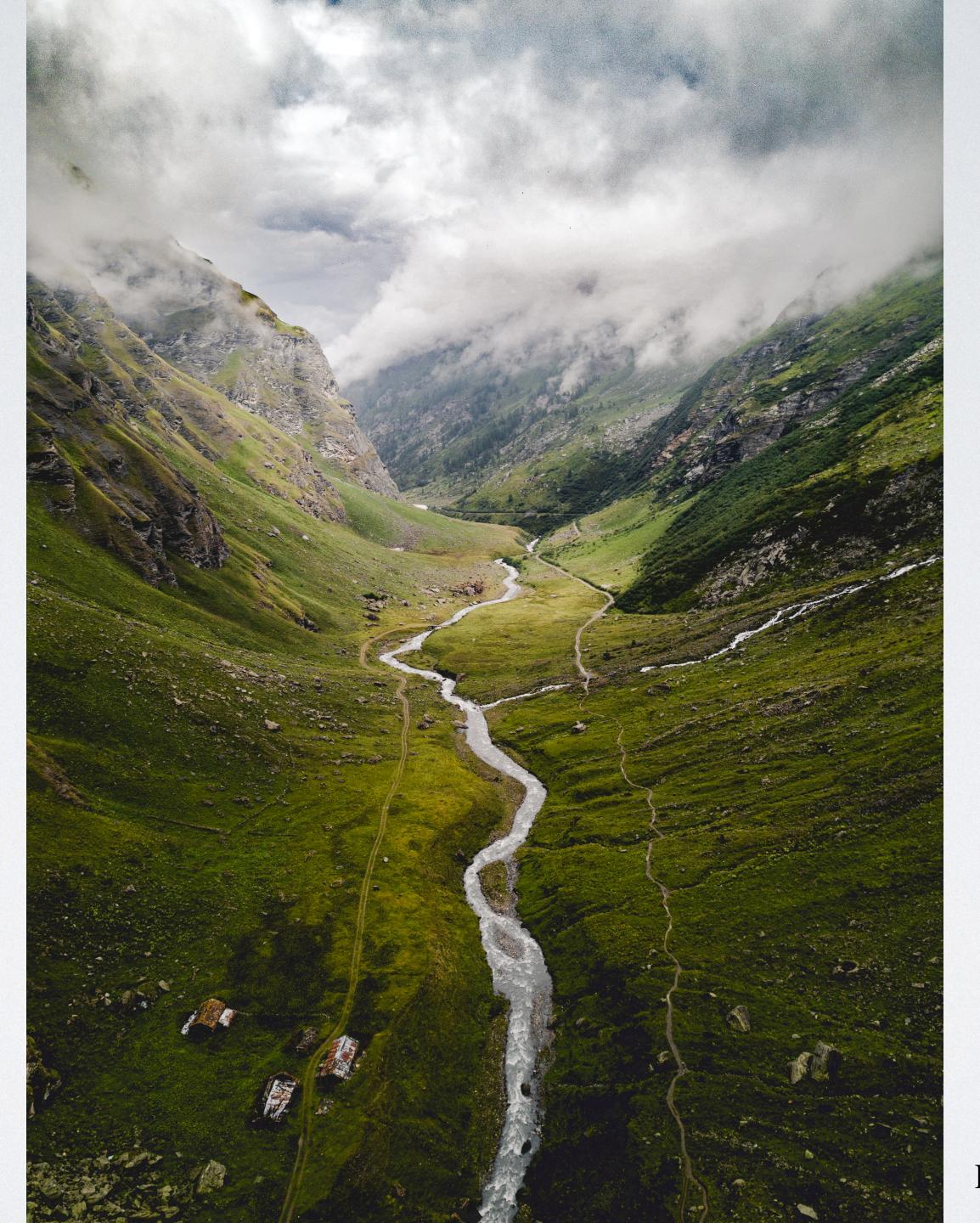


Photo by Mario Álvarez on Unsplash





# Crops allow settlement near resources (water, farmland, mines) and transport (water, goat trails)

Photo by Tim Muangkeo on Unsplash





# The need for increasing resources for sustainability:

Photo by <u>Renate Vanaga</u> on <u>Unsplash</u>

#### Surplus

#### Class systems (ruling, educated, arts, inventors)

- women (babies)
- trade
- war

#### Lumber, paper: accounting and record keeping



Photo by Jeremy Zero on Unsplash

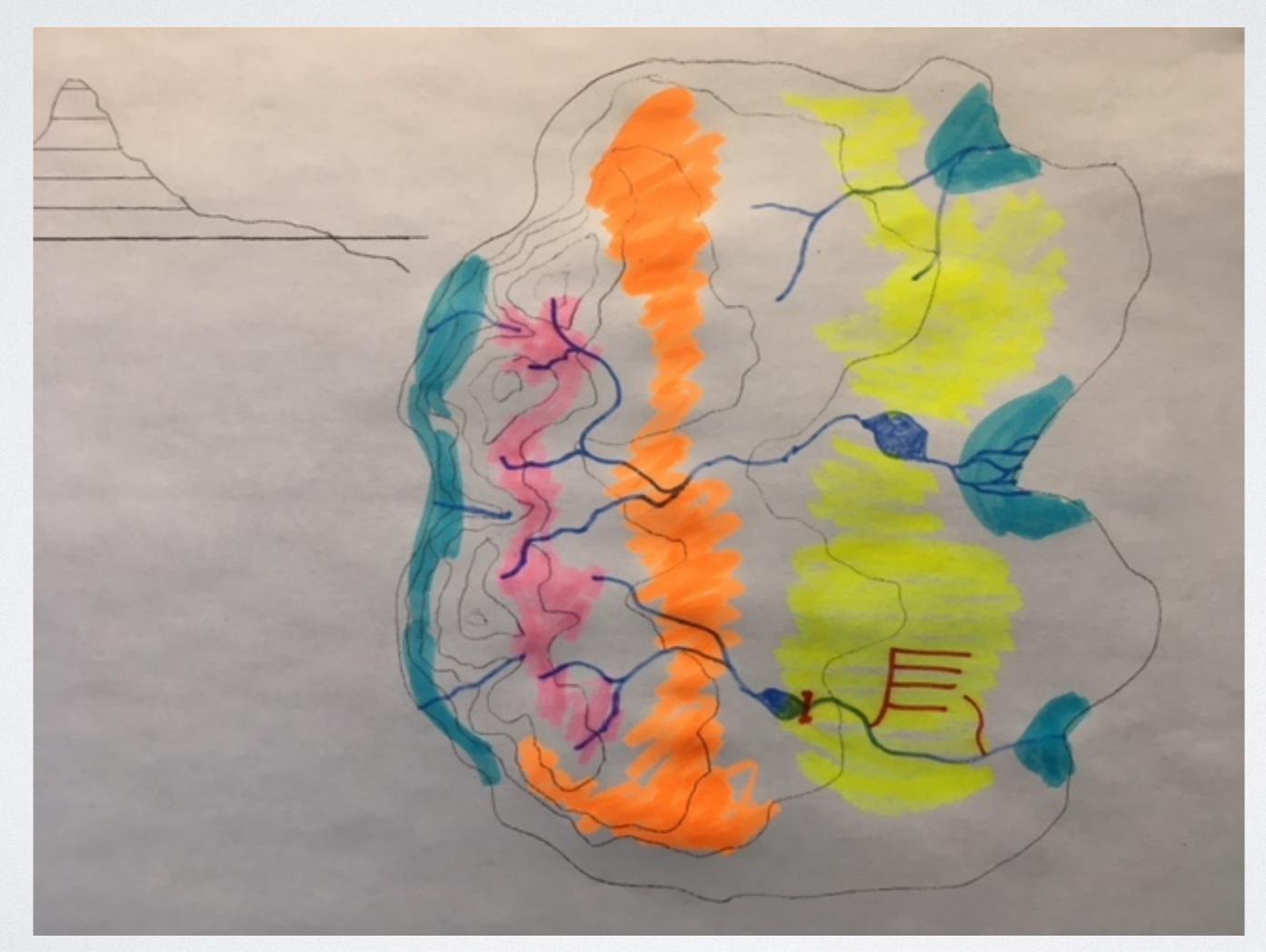
## Architecture based on available materials Engineering needs books (man's memory is not enough)



Photo by Juanita Swart on Unsplash



## MULTIPLE CULTURAL GROUPS OCCUPY A VARIETY OF LOCATIONS



#### **RESOURCES LEAD TO CULTURE**

City Country	Resource	Geo- graphy Flora Fauna	Agri- culture Food	Cooking	Clothing	Magic Drugs Medicine
Coldridge Teshe	Lumber	Craggy hills,	Barley,	Marinate,	Wool; fur;	Whiskey,
	Wool	boreal	Wheat flat	barbecue,	pride in	caffeine,
	charcoal, fur	forest,	bread sheep,	pie, dried	simplicity,	oral magic
	trapping	softwood,	turnips,	large central	durability,	tradition
Summer Bluff Elsen	Mining	High hills,	Oats,	Marinate,	Wool,	Whiskey,
	(silver,	boreal	porridge,	barbecue,	simple,	Fragmented
	gold), metal	forest, deer,	spinach	boil, steam,	unassuming	collections
	work, coal,	wolves,	beets, onion	large central		of spell
Highglen Gramarye	Leather,	High	Hay, red	Rice-soup/	Leather, yak	Rice beer,
	stone, yak	mountains,	rice sorrel	stew, dried,	wool, fur,	rice wine;
	wool, fur	alpine,	nuts eggs	salted, small	layers,	jovial
	trapping,	scrub,	lentils, Yak	bowls and	cloaks, high	community





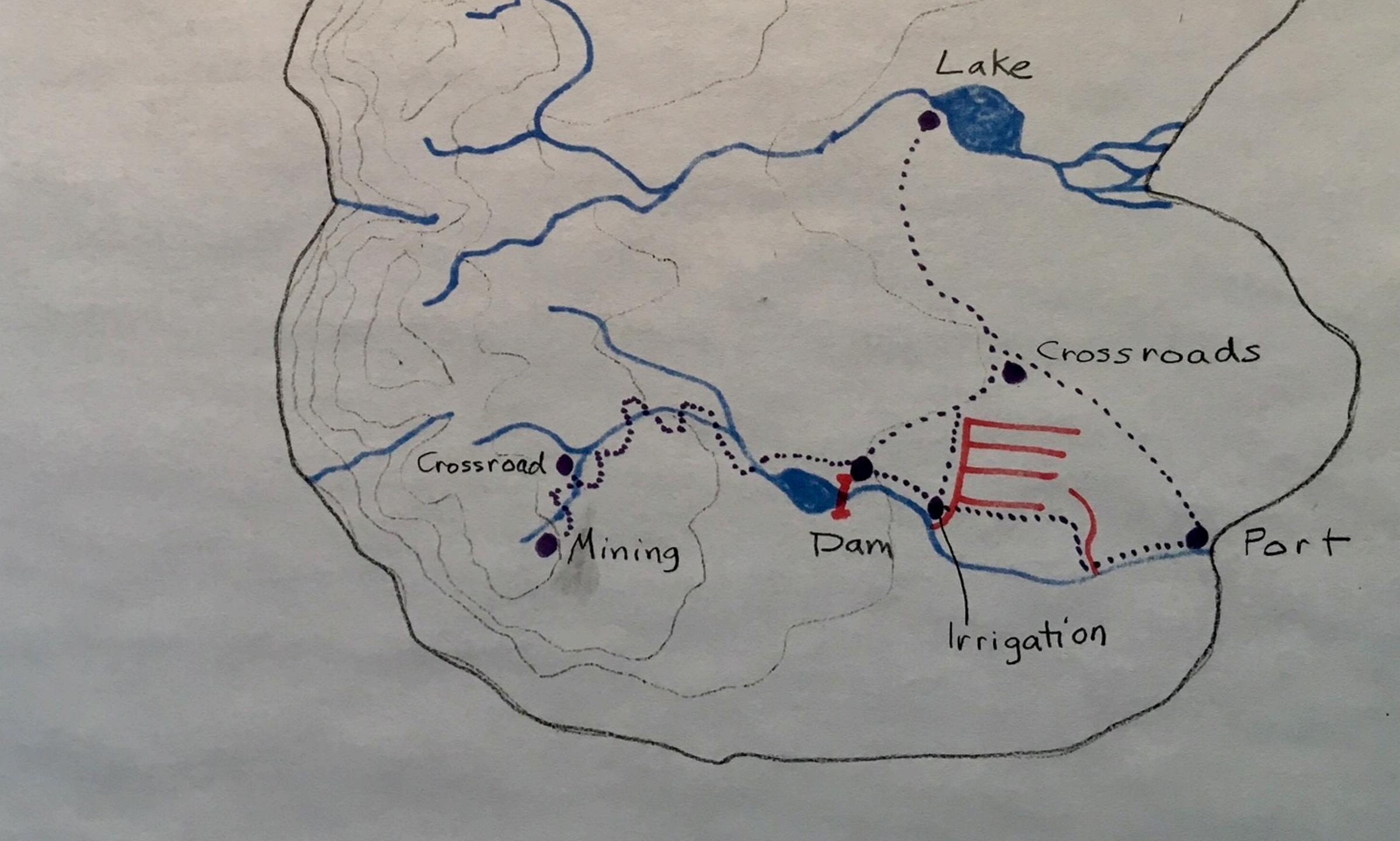
#### Trade/war:

#### roads, weapons/ defense

(arms race)

by <u>Beniamin Pytlinski</u> on <u>Unsplash</u>





# Social Change



### HOW BIG ISYOUR WORLD?

#### Photo by <u>NASA</u> on <u>Unsplash</u>





#### Susan Forest SPECULATIVE-FICTION.CA



SUSAN FOREST

#### FLIGHTS OF MARIGOLD

ADDICTED TO HEAVEN