

The Dawn of Everything

Session 3

Chapter 6 – Gardens of Adonis

Chapter 7 – The Ecology of Freedom

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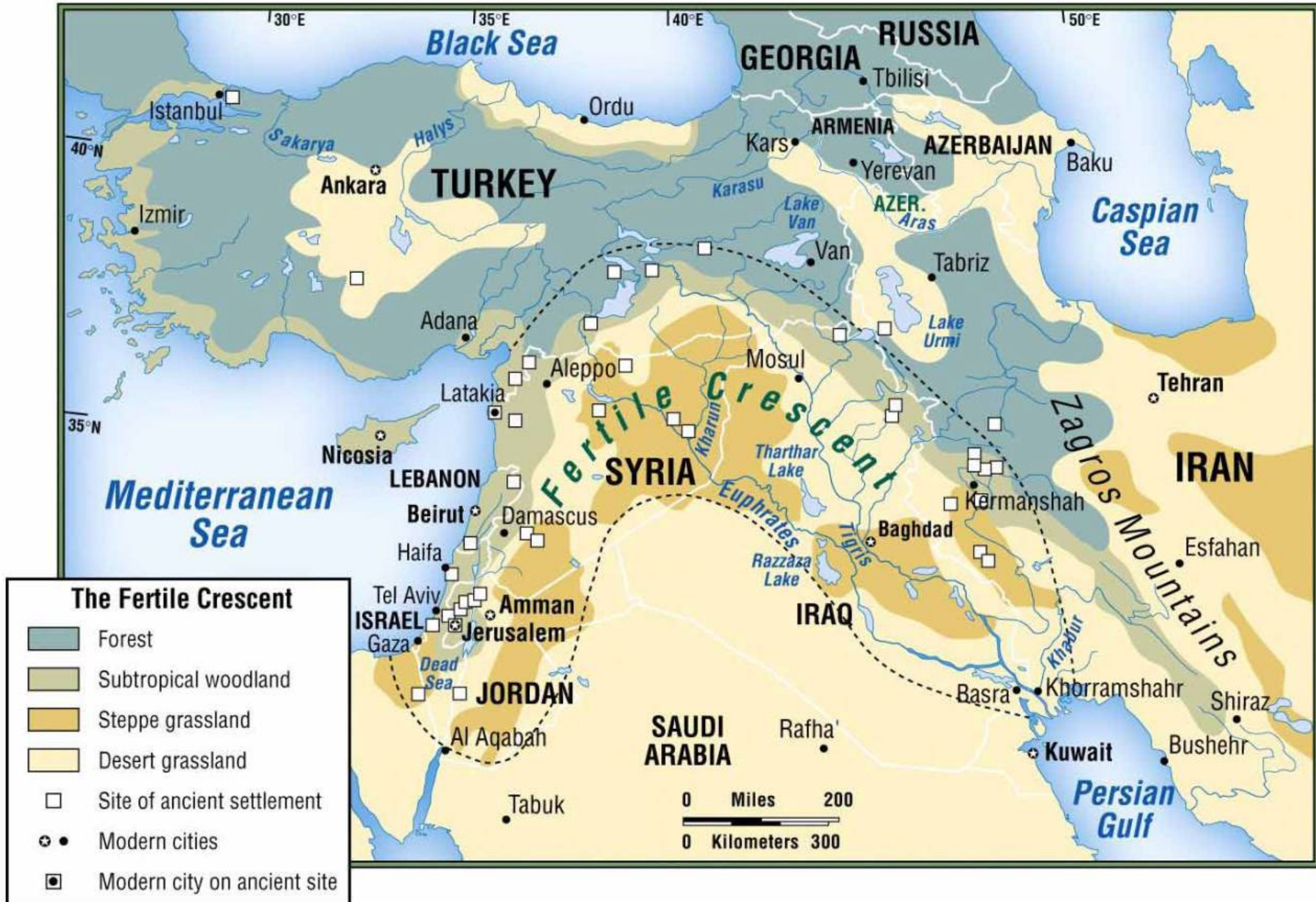
OLLI Discussion Group

Chapter 6 – Gardens of Adonis

- The revolution that never happened: how Neolithic peoples avoided agriculture.
- This chapter challenges the conventional notion that an “Agricultural Revolution” during the Neolithic period paved the way for modern civilization.
- The chapter focuses on the Levant or the fertile crescent as the locus of agricultural development.


➔ Anatolia was connected to Europe until approx. 5600 BCE



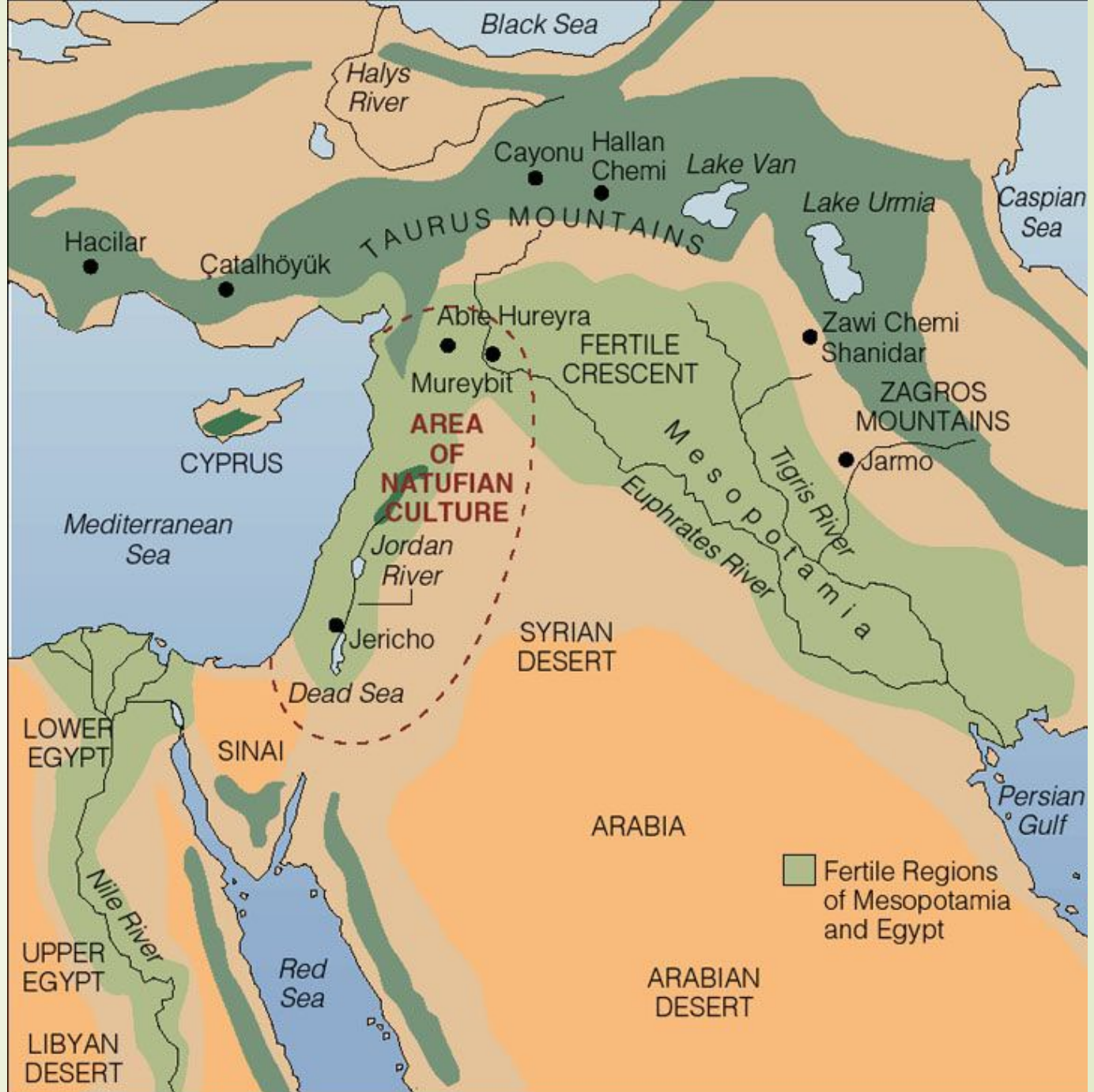




Neolithic Site Catal-hoyuk

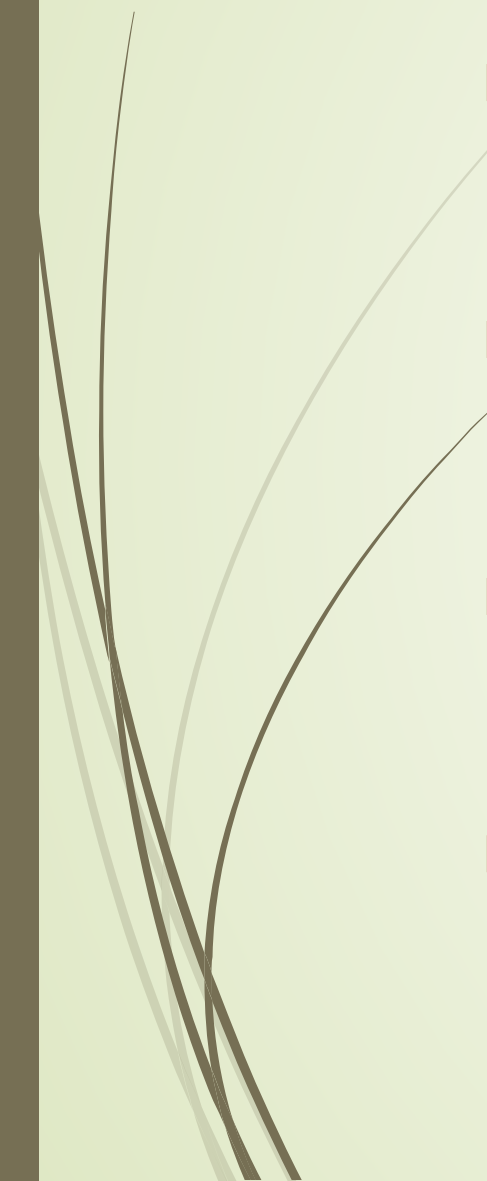
- One of the world's oldest towns.
 - Settled about 7400 BCE and occupied for about 1,500 years.
 - About 13 hectares (32 acres) with a population of some 5,000.
 - Dense population of house-holds, mud-brick construction, accessed from the roofs.
 - Buried the dead in the house.
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Neolithic Site Catal-hoyuk

- The town was situated in an area of wetlands – a good source of mud and clay.
 - They had sheep and goats and raised arable crops (cereals and pulses).
 - Seasonal variations of social structure were used with carefully balanced alterations.
 - Winter was a time of ritual and ceremonialism.
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Neolithic Site Catal-hoyuk

- Men and woman appear to have had a basic parity of diet and health.
- There appears to be an equality of the sexes with associated themes separated in the houses.
- There appears no evidence of central authority.
- Each household appears to be a world unto itself – storage, production, and consumption.

Neolithic Site Catal-hoyuk







- An international team of researchers has found that the inhabitants of the Neolithic settlement Çatalhöyük (7100-5950 BCE) experienced overcrowding, infectious diseases, violence, and environmental problems.
- The research was published in the *Proceedings of the National Academy of Sciences*.
- Residents suffered from a high infection rates, most likely due to crowding and poor hygiene.
- Up to one-third of remains from the Early period show evidence of infections on their bones.

Fertile Crescent

- Crescent shaped belt of arable lands.
- There is an 'upland crescent' and a 'lowland crescent' with two distinct development trends.
- Both areas had a complex mosaic of human settlement: villages, hamlets, seasonal camps, and centers of ritual and ceremonial activity including impressive public buildings.

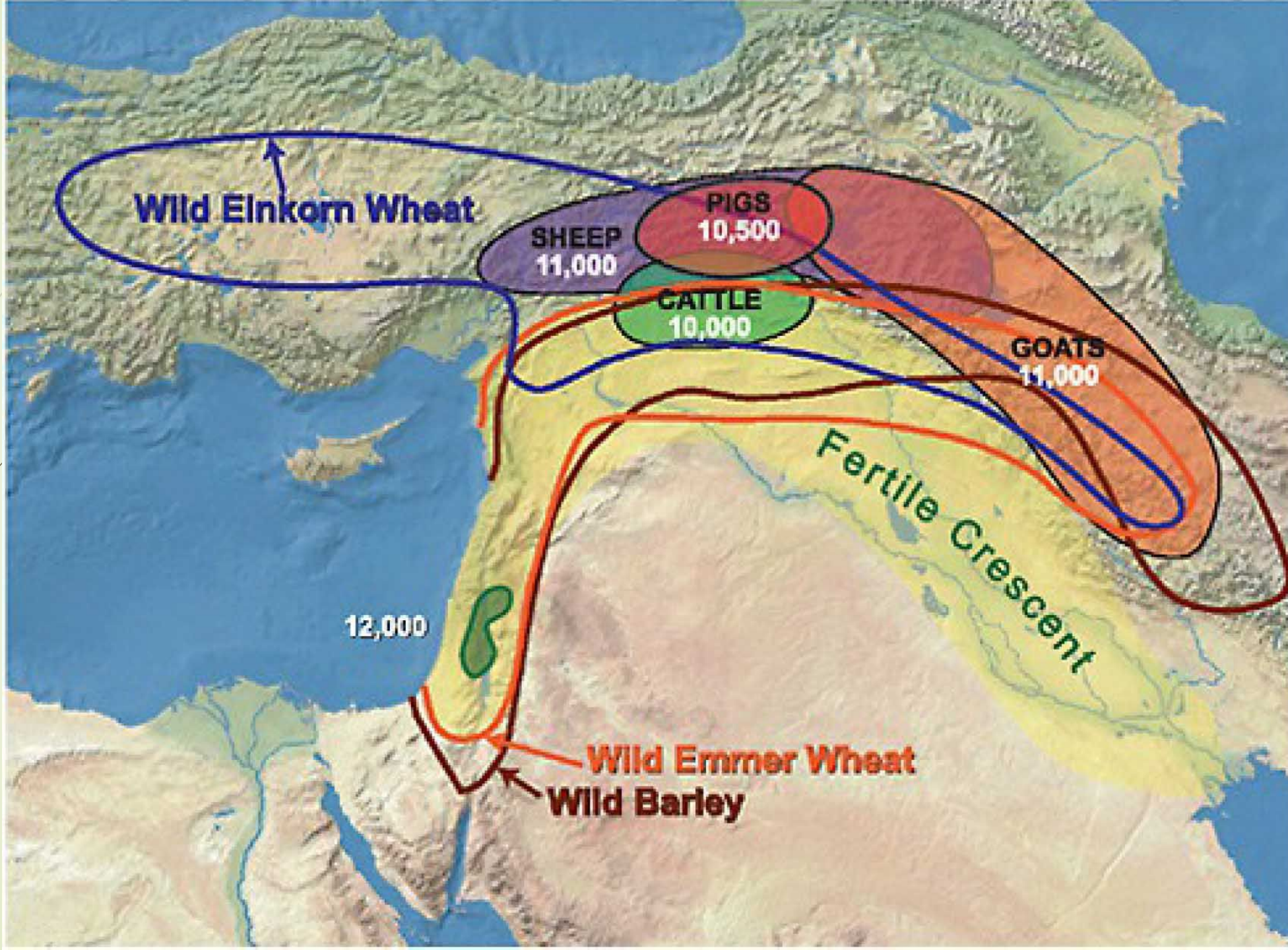
THE FERTILE CRESCENT AND RISE OF AGRICULTURE



-  natural distribution of wild cereals
-  Fertile Crescent
-  wild cereal
-  evidence of animal domestication
-  evidence of consumption of wild cereals
-  evidence of domestication of cereals

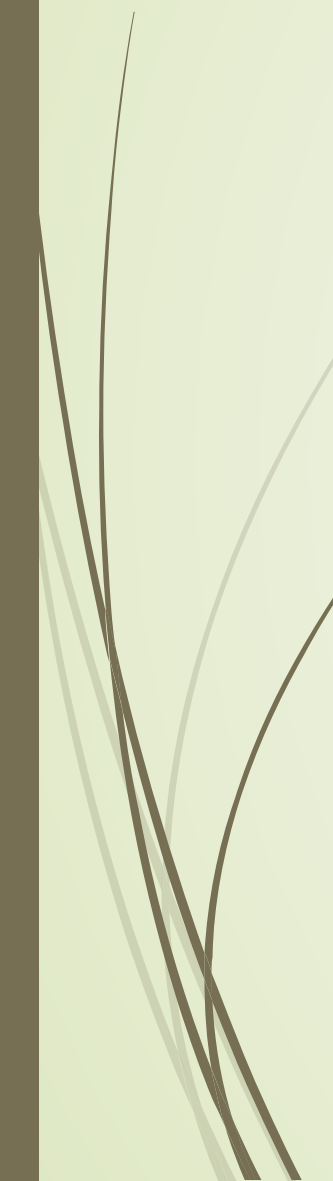
Fertile Crescent

- Both regions had livestock management and plant cultivation within a broader spectrum of hunting and foraging.
- The uplands turned toward hierarchy among settled hunter-foragers while the lowlands of the river valleys developed into craft specialists and traders.





Why Neolithic Farming Took So Long to Evolve

- People started with 'pre-domestication cultivation'.
 - This cultivation of wild cereals dates back to 10,000 BCE.
 - There is a 3,000 year gap between this and the biological process of crop domestication.
 - This was not really a 'revolution', but slow change.
 - So long as it did not become too onerous, cultivation was just one of the many ways early settled communities managed their environments.
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Why Neolithic Farming Took So Long to Evolve

- As seen at Catal Hoyuk and in the Jordan valley, 'flood-retreat' farming was the low labor cost way that was adopted.
- This type of farming did not lend itself to the development of private property flood-retreat farming lent itself more towards collective holding of land.
- Did women domesticate crops -- there is a strong association between women and plant-based knowledge.

Gobekli Tepe

- One of a series of megalithic centers characteristic of the upland culture.
- Built in the ninth millennium of stone architecture.
- Carved on the stone pillars are wild and venomous male animals and raptors taking human heads.
- They seemed to be particularly taken with human heads.

Gobekli Tepe

The henges in Göbekli
Tepe were
erected as far
back as 9600
BC.



Summing it up

- Farming began in Southwest Asia as a series of local specializations in crop-raising and animal-herding, in scattered areas with no epicenter.
- Hunting and gathering continued unabated along side cultivation.
- New products of these activities were traded and expanded throughout the region and, eventually, beyond.
- Women were co-creators of this new life-style in the lowland regions verses male-dominated cultures in the uplands and steppes.
- This process took 3,000 years.



Chapter 7 – The Ecology of Freedom

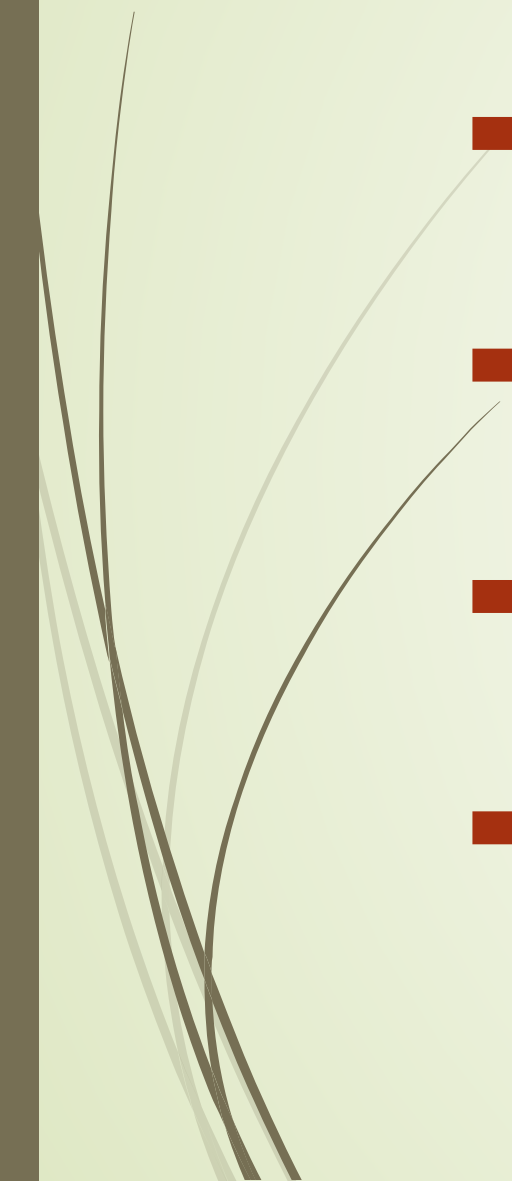
- This chapter investigates the various ways farming emerged throughout the world.
- The authors maintain it first hopped, stumbled, and bluffed its way around the world.
- It was far messier and far less unidirectional than generally perceived.
- Farming was independently developed in other places and none followed a linear trajectory.
- Farming was developed as a last resort.

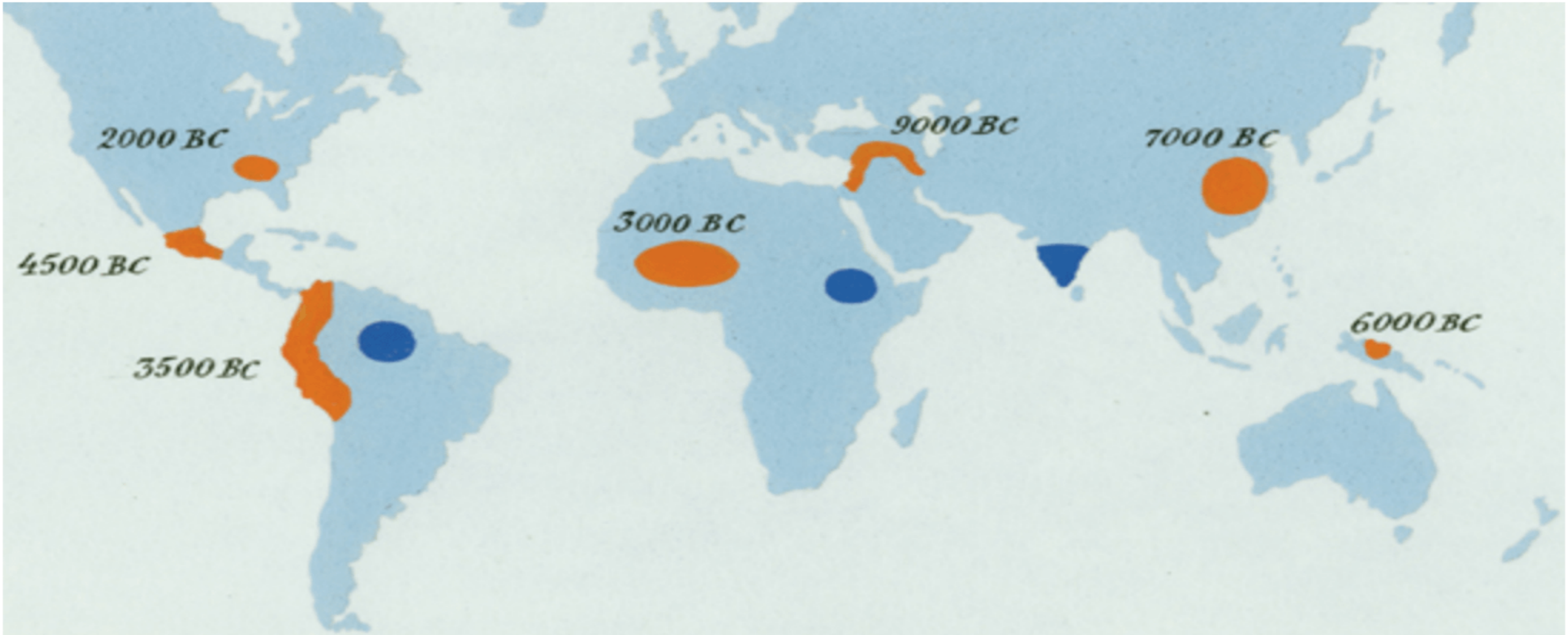
Why did Agriculture Take So Long to Develop

- Homo sapiens has been around for 200-300 thousand years, what did it take so long?
- We're in an ice age and for up until 12,000 years ago, much of the northern hemisphere was glaciated and much colder and drier than today,
- Populations were very small (5 million in 9,000 BCE) and the earth was very abundant.
- People could live very well by foraging and hunting.



Domestication Areas

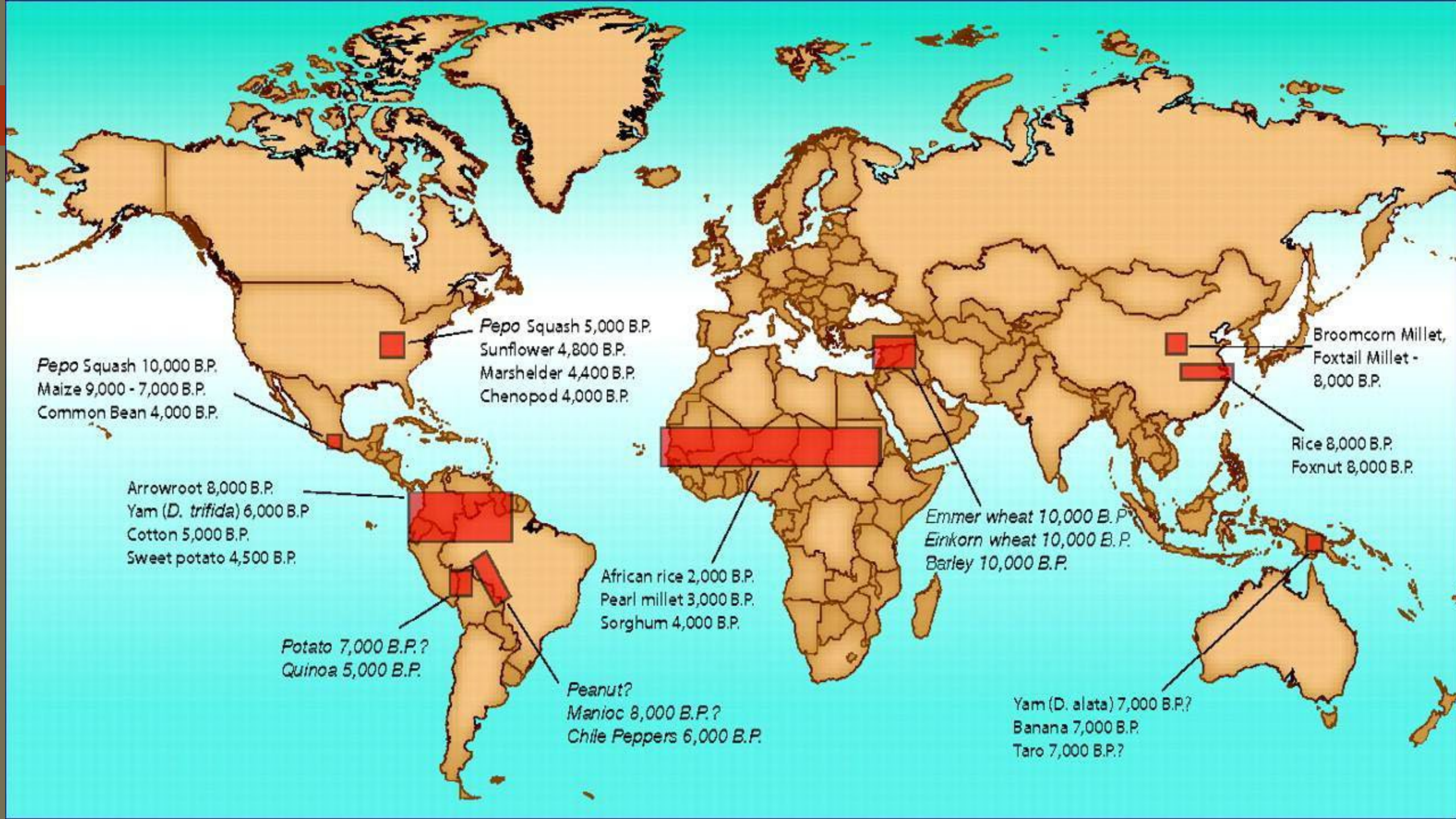
- Between 15 and 20 independent centers of domestication have been identified.
 - Many followed very different paths of development.
 - We know less about the prehistory of these other regions than we know about the fertile crescent.
 - Food production was not always considered a beneficial undertaking.
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Areas in which independent agricultural revolutions happened



Areas in which independent agricultural revolutions might have happened



Eemian versus the Holocene

- The interglacial 130,000 years ago was the Eemian.
- Temperature was higher today and the weather was as predicted for our future.
- World population was about 100 to 300 thousand.
- The Holocene until more recently, was the Golden Age for foragers and hunters.
- It was also perfect for the development of 'civilization'.



NEXT WEEK

- Read Chapters:
 - 8 Imaginary Cities (Cities without Kings)
 - 9 Hiding in Plain Sight (Origin of Social Housing and Democracy)