

INSTRUCTIONS

Ombro-thermal diagrams

OBJECTIVE OF THIS ACTIVITY

At the end of this exercise, you will know how to create an ombro-thermal diagram from climate data; from this diagram, you will be able to deduce an information on the climate of a territory.

You will then be able to use this to formulate hypotheses on certain farming practices within this territory.

THE PROCESS STEP-BY-STEP

You must:

- Read the climate data tables of the different regions of the world (below)
- Create the corresponding ombro-thermal diagram
- Formulate hypotheses on the impact of the climate on farming practices

METHODS

Estimated time required for this activity: 45 minutes

Status: Optional

Evaluation: This activity will not be marked

1. Ombro-thermal diagram for the Nkosy region in Uganda

		J	F	M	A	M	J	J	A	S	O	N	D
rainfall (mm)	rf°	59	63	116	178	152	63	39	74	91	117	138	96
Mean temperatures (°C)	Mt	21.8	22.1	22	21.6	21.3	20.8	20.4	20.6	21.1	21.5	21.5	21.3

2. Ombro-thermal diagram for the Upper Chama Valley

	J	F	M	A	M	J	J	A	S	O	N	D
T (°C)	10	10	10	11	11	10	10	10	11	11	11	10
RF (mm)	6	12	28	82	83	85	78	80	76	74	40	15

Additional question: What hypotheses can you form on the sowing period, the length of the cropping cycles, the need for irrigation or the storage of forage?

3. Rainfall diagram for Gulbarga, a district of the State of Karnataka, India

Source: <http://raitamitra.kar.nic.in/agriprofile/rainfall.htm>

District	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Gulbarga	3	4	10	19	33	108	161	144	193	81	16	5