

Examrace

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Biogeographical Regionalization-Terrestrial Plants YouTube Lecture Handouts

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Watch video lecture on YouTube: Newbigin, Engler, Udvardy & Takhtajan Classification: Biogeographic Regionalization Newbigin, Engler, Udvardy & Takhtajan Classification: Biogeographic Regionalization

Find this video at: <https://www.youtube.com/video/mORGLySFDm8?rel=0>

Biogeographical Classification:

- Major Classifications
- Terrestrial Plants
- Terrestrial Animals
- Aquatic Plants & Animals

Classification on Environmental Conditions

Moisture

- Hygrophyte – water loving plants
- Mesophyte – in moist but not wet
- Tropophyte – alternate wet & dry
- Nerophyte – drought areas

Temperature

- Megatherm - temp. $> 18^{\circ}\text{C}$
- Mesotherm - $6 - 18^{\circ}\text{C}$ & warm temperature 22°C
- Microtherm – above 6°C & warmest temperature $10 - 22^{\circ}\text{C}$
- Hekistotherm – less than 10°C

Ronald Good Classification

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Watch video lecture on YouTube: Classification & Global Distribution of Plants and Animals - Vavilov's Genecenters Classification & Global Distribution of Plants and Animals - Vavilov's Genecenters

Find this video at: <https://www.youtube.com/video/FWpdxPdLVRc?rel=0>

Engler Classification

Phylogenetic principles - evolutionary history

4 Kingdoms

- Holarctic
- Palearctic
- Old Oceanic – Austral (Southern ocean)
- South American

Udvardy'S Classification

In 1975

Vegetational components

8 Regions

- Nearctic
- Palearctic
- Neotropical
- Africotropical
- Indomalayan
- Oceania
- Australian
- Antarctic

Takhtajan Classification

- In 1986
- 6 kingdom & 35 regions
- Created separated Cape Kingdom
- Importance of Cape Kingdom

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Newbigin Classification

- 1917: Man and His Conquest on Nature
- 1936: Plant and Animal Geography
- Basis was disciplinary epistemology and ontology
- Gave 5 regions

Complete details on biogeographical regionalization and study material can be fetched at:

[Examrace IAS Mains Geography Optional Series\(Includes 2017 Contemporary Topics\)](#)

-Manishika