GG 140 - The Atmosphere, the Ocean and Environmental Change with Professor Ronald B. Smith

Lecture 18 - Seasons and Climate

- 1. Shifting ITCZ. Image credit: http://rajesh26.blogspot.com/2010_05_01_archive.html (Accessed Oct. 12, 2011)
- 2. Seasons in the tropics. Rondonia, Brazil. Image credit: http://pyramidbeach.com/page/7/ (Accessed Oct. 12, 2011)

Seasons in the tropics. Image credit: http://en.allmetsat.com/climate/brazil.php?code=82825 (Accessed Oct. 12, 2011)

3. Mumbai Precipitation: Monsoon. Image credit http://en.wikipedia.org/wiki/File:India mumbai temperature precipitation averages chart.svg (Accessed Oct. 12, 2011)

Mumbai Precipitation: Monsoon. Image credit: I.G. Bhatkali http://www.sahilonline.org/english/newsDetails.php?cid=3&nid=11951 (Accessed Oct. 12, 2011)

- 4. Yaounde, Cameroon, Image credit: http://www.levoyageur.net/weather-city-YAOUNDE.html (Accessed Oct. 12, 2011)
- 6. Moving Polar Fronts. Image credit: http://www4.uwsp.edu/geo/faculty/ritter/images/atmosphere/weather/pfront.gif (Accessed Oct. 12, 2011)
- 7. Los Angeles. Image credit: Dr. Michael Pidwirny & Scott Jones. http://www.physicalgeography.net/fundamentals/7v.html (Accessed Oct. 12, 2011)
- 8. Rome, Italy. Image credit: http://cdnisclimategraphs.blogspot.com/2010/03/rome-italy.html (Accessed Oct. 12, 2011)
- 9. Perth, Australia. Image credit: http://weather.ninemsn.com.au/climate/station.jsp?lt=site&lc=9225 (Accessed Oct. 12, 2011)
- 10. Rainfall Seasonality. Image credit: Wallace and Hobbs

- 11. Herodotus. Image credit: http://en.wikipedia.org/wiki/Herodotus (Accessed Oct. 12, 2011)
- 15. Koppen Classes. Image credit: Kottek et al., 2006, Meteorologische Zeitschrift, 15, 259-263
- 16. Koppen Climate Classes. Image credit: Ahrens Essentials of Meteorology textbook
- 17. Koppen Climate Classes. Image credit: Ahrens Essentials of Meteorology textbook
- 18. Koppen Climate Classes. Image credit: Murray C. Peel http://www.eoearth.org/article/K%C3%B6ppen Climate Classification System?topic=49664 (Accessed Oct. 12, 2011)
- 19. Regional temperature and precipitation: Sacramento. Image credit: US Climate Data. http://www.usclimatedata.com/climate.php?location=USCA0967 (Accessed Oct. 12, 2011)

Regional temperature and precipitation: New York. Image credit: US Climate Data http://www.usclimatedata.com/climate.php?location=USNY0996 (Accessed Oct. 12, 2011)

Regional temperature and precipitation: Miami. Image credit: US Climate Data http://www.usclimatedata.com/climate.php?location=USFL0316 (Accessed Oct. 12, 2011)

Regional temperature and precipitation: Denver. Image credit: US Climate Data http://www.usclimatedata.com/climate.php?location=USCO0105 (Accessed Oct. 12, 2011)

20. Africa regional climate: AF. Image credit: unknown. http://us-africa.tripod.com/linkR.html (Accessed Oct. 12, 2011)

Africa regional climate: BSh. Image credit: Flavio Ceriani. http://www.panoramio.com/photo/4325608 (Accessed Oct. 12, 2011)

Africa regional climate: BWh. Image credit: IgoUgo user Kryptics. http://www.igougo.com/journal-j18618-Erfoud-The Sahara Desert - Morroco.html (Accessed Oct. 12, 2011)

Koppen map of Africa. Image credit: Peel, M. C., Finlayson, B. L., and McMahon, T. A. http://en.wikipedia.org/wiki/File:Africa Koppen Map.png (Accessed Oct. 12, 2011)

- 21. Koppen map of South Asia, Image credit: Peel, M. C., Finlayson, B. L., and McMahon, T. A. http://www.ask.com/wiki/K%C3%B6ppen climate classification (Accessed Oct. 12, 2011)
- 22. Koppen map of Europe. Image credit: Peel, M. C., Finlayson, B. L., and McMahon, T. A. http://en.wikipedia.org/wiki/File:Europe Koppen Map.png (Accessed Oct. 12, 2011)
- 23. Mediterranean Climate: Lisbon. Image credit: unknown. http://www.wordtravels.com/Cities/Portugal/Lisbon/Climate (Accessed Oct. 12, 2011)

Mediterranean Climate: Jerusalem. Image credit: unknown. http://www.iexplore.com/dmap/Israel/Weather+and+Climate (Accessed Oct. 12, 2011)

Mediterranean Climate: Cairo. Image credit: UK Met Office http://www.metoffice.gov.uk/education/teachers/arid-climate-averages (Accessed Oct. 12, 2011)

Mediterranean Climate: Sacramento. Image credit: US Climate Data http://www.usclimatedata.com/climate.php?location=USCA0967 (Accessed Oct. 12, 2011)

24. Maranon/Ucayali/Amazon March and Sept 2001. Image credit: Landsat EMT+ http://landsat.gsfc.nasa.gov/. (Accessed Oct. 12, 2011)