

The Future of Tropical Rain Forests WIS 2323

Introductions

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Part 1: Introductions (15 min)

After introducing yourselves (name, major, & where from are a good start) try to answer these questions *without your phones or computers*:



1. What is the main ingredient in chocolate?
2. What **three** countries are the primary producers of this ingredient?

2

1. What is the main ingredient in chocolate?

3

1. What is the main ingredient in chocolate?

Cacao
Theobroma cacao

4

1. What is the main ingredient in chocolate?

Cacao
Theobroma cacao



5

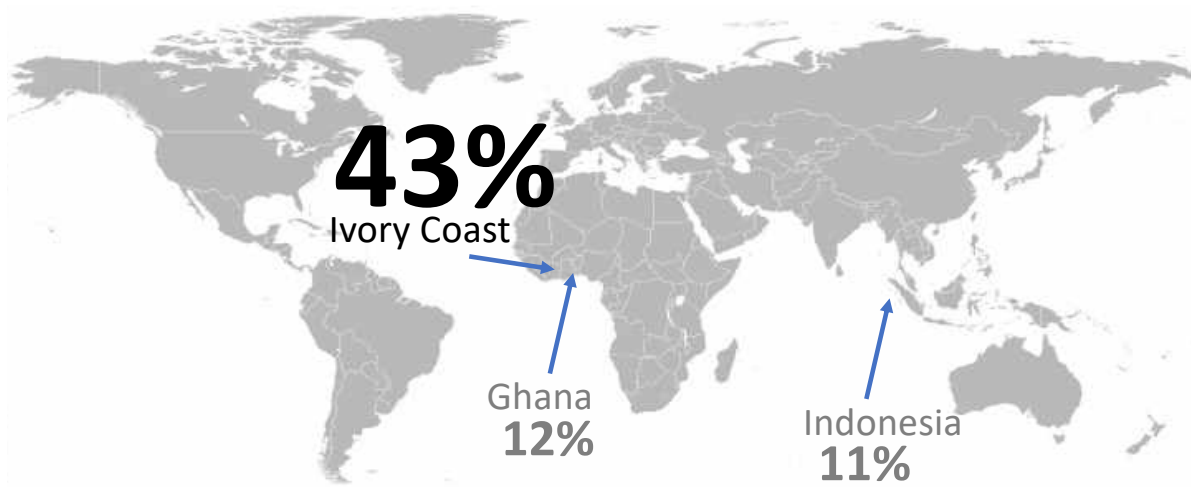
2. What countries are the primary producers of this ingredient?



6

2. What countries are the primary producers of this ingredient?

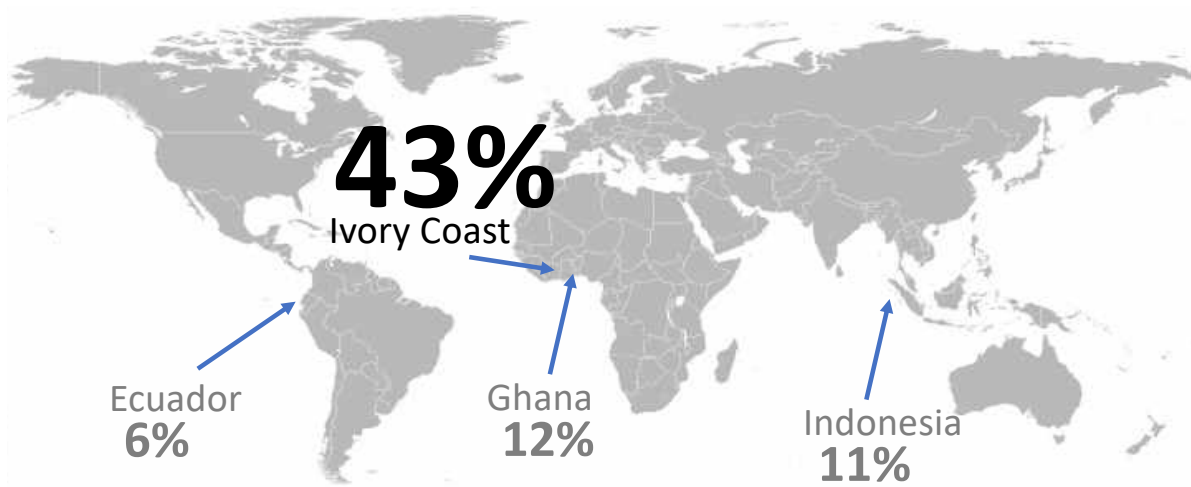
Only 3 countries = 66% of global production



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2. What countries are the primary producers of this ingredient?

Only 4 countries = 72% of global production



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Economically vital at multiple levels

Côte d'Ivoire: #1 Export

40% of export income, \$4.95 Bi

Ghana: #3 Export

16% of export income, \$2.71Bi

Families: ~90% of the world's cacao is grown on small family farms.



Credit: ©2017CIAT/NeilPalmer

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Tree trunk for a cocoa plantation outside the Sapo Forest Reserve in western Ivory Coast. MICHAEL J. GALLAGHER

The Real Price of a Chocolate Bar: West Africa's Rainforests

Cocoa cultivation
major driver of illegal deforestation in Côte d'Ivoire and Ghana

Climate Change: greatly reducing area suitable for Cacao farming

USA chocolate sales in 2024: \$21.7Bi

Global demand for chocolate: expected to DOUBLE by 2050.

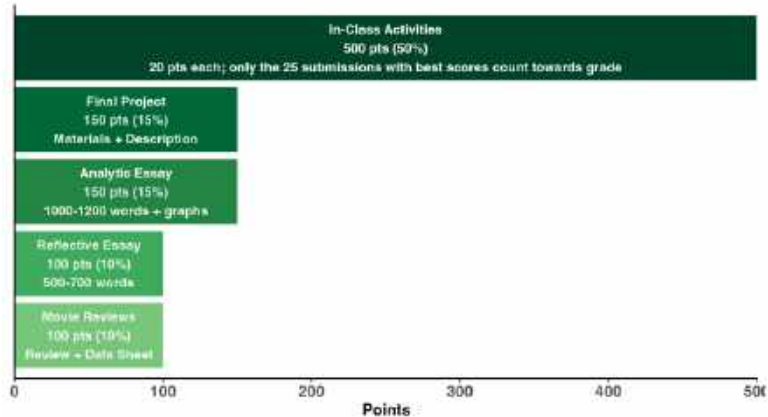
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Part 2: Semester Overview

Assignments (1000 pts)



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WEEK	DATE	TOPIC	ASSIGNMENT TYPE
WHY ARE WE FASCINATED BY TROPICAL RAIN FORESTS?			
Week 1	19-Aug 21-Aug	Class Starts Thursday! Course Welcome and Introduction	
Week 2	26-Aug 28-Aug	Historical Narratives Historical Narratives, cont.	
Week 3	2-Sep 4-Sep	Rain forests in Art & Lit The Rain Forest in Pop Culture	Movie Review Assigned
THE RESILIENCE & EVOLUTION OF TROPICAL RAIN FORESTS			
Week 4	9-Sep 11-Sep	What is a Rain Forest? What does it mean to be a Rain Forest?	
Week 5	16-Sep 18-Sep	Patterns of Biodiversity I Patterns of Biodiversity II	
Week 6	23-Sep 25-Sep	Origins of tropical biodiversity Maintenance of tropical biodiversity	
Week 7	30-Sep 1-Oct	Biodiversity in the Tropics I Biodiversity in the Tropics II	
Week 8	7-Oct 9-Oct	Patterns of Conservation in (Bio)diversity Hotspots BIOLOGICAL FILMS UNIT (1 part)	
THE DRIVERS AND IMPACTS OF DEFORESTATION			
Week 9	14-Oct 16-Oct	Why must we forest (and why not)? Drivers of deforestation I	Analysis: Essay Assigned
Week 10	21-Oct 23-Oct	Drivers of deforestation II Impacts of deforestation I	
Week 11	28-Oct 30-Oct	Tropical forests and climate Tropical forests and climate change	Analysis: Essay Due Subjective: Essay Assigned
THE FUTURE OF TROPICAL RAIN FORESTS			
Week 12	4-Nov 6-Nov	Conservation strategies Tropical Conservation II: EL NIÑO 2017	
Week 13	11-Nov 13-Nov	International conservation instruments Conservation beyond Conservation	Debate: Essay Due Final Project Assigned
Week 14	18-Nov 20-Nov	Tropical Rain Forests and Human Health Rain Forests and Health	
Week 15	27-Nov 29-Nov	No class - Thanksgiving No class - Thanksgiving	
Week 16	4-Dec 6-Dec	Practical: Amazon Rainforest & A. Argentinensis No class - Thanksgiving	Final Project Due
Final Week	9-Dec	No Final Exam	

read

listen

watch






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Section 1

WEEK	DATE	TOPIC
WHY ARE WE FASCINATED BY TROPICAL RAIN FORESTS?		
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Week 2	26-Aug 28-Aug	Historical Narratives Historical Narratives, cont.
Week 3	2-Sep 4-Sep	Rain forests in Art & Lit The Rain Forest in Pop Culture



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Section 2

THE ECOLOGY & EVOLUTION OF TROPICAL RAIN FORESTS

Week 4	9-Sep	What is a Rain Forest?
	11-Sep	What else is a Rain Forest?
Week 5	16-Sep	Patterns of biodiversity 1
	18-Sep	Patterns of biodiversity 2
Week 6	23-Sep	Origins of tropical biodiversity
	25-Sep	Maintenance of tropical biodiversity
Week 7	30-Sep	Humans in rain forests 1
	2-Oct	Humans in rain forests 2
Week 8	7-Oct	Paradox of Luxuriance & (Bio)Narratives Revisited
	9-Oct	JUNGLE FILM FEST (7 pm)



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Section 3

THE DRIVERS AND IMPACTS OF DEFORESTATION

Week 9	14-Oct	How much rain forest is there?
	16-Oct	How much rain forest have we lost?
Week 10	21-Oct	Drivers of deforestation 1
	23-Oct	Drivers of deforestation 2
Week 11	28-Oct	Tropical forests and climate
	30-Oct	Tropical forests and climate change

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The Real Price of a Chocolate Bar: West Africa's Rainforests

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Section 4

THE FUTURE OF TROPICAL RAIN FORESTS

Week 12	4-Nov	Consumer choices
	6-Nov	Tropical Commodities & DURIAN FEST
Week 13	11-Nov	International conservation frameworks
	13-Nov	Community-based Conservation
Week 14	18-Nov	Tropical Rain Forests and Global Health
	20-Nov	Rain forest Headlines
Week 15	25-Nov	No class - Thanksgiving
	27-Nov	No class - Thanksgiving
Week 16	2-Dec	Protected Areas, Reforestation, Regeneration
	4-Dec	No Class - Reading Days
Finals Week	9-Dec	No Final Exam

the notorious **DURIANFEST**



ids2935 the future of rain forests

1 17 Nov 22 9:25 am 2 Bruna Lab Lawn 711 Newell Dr. 3 a UF Guest Production www.BrunaLab.org

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