



# The Future of Tropical Rain Forests

## IDS 2935

Introductions

# Part 1: Introductions (10 min)

After introducing yourselves (name, major, & year 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?

1. What is the main ingredient in chocolate?

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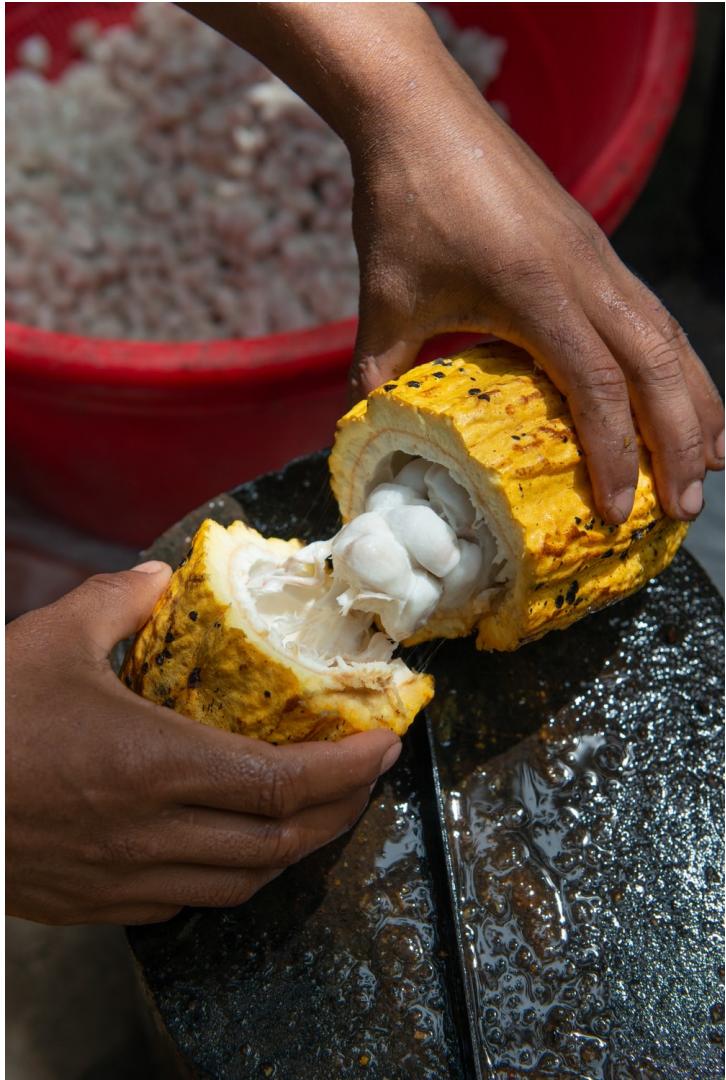
Cacao

*Theobroma cacao*

1. What is the main ingredient in chocolate?

Cacao

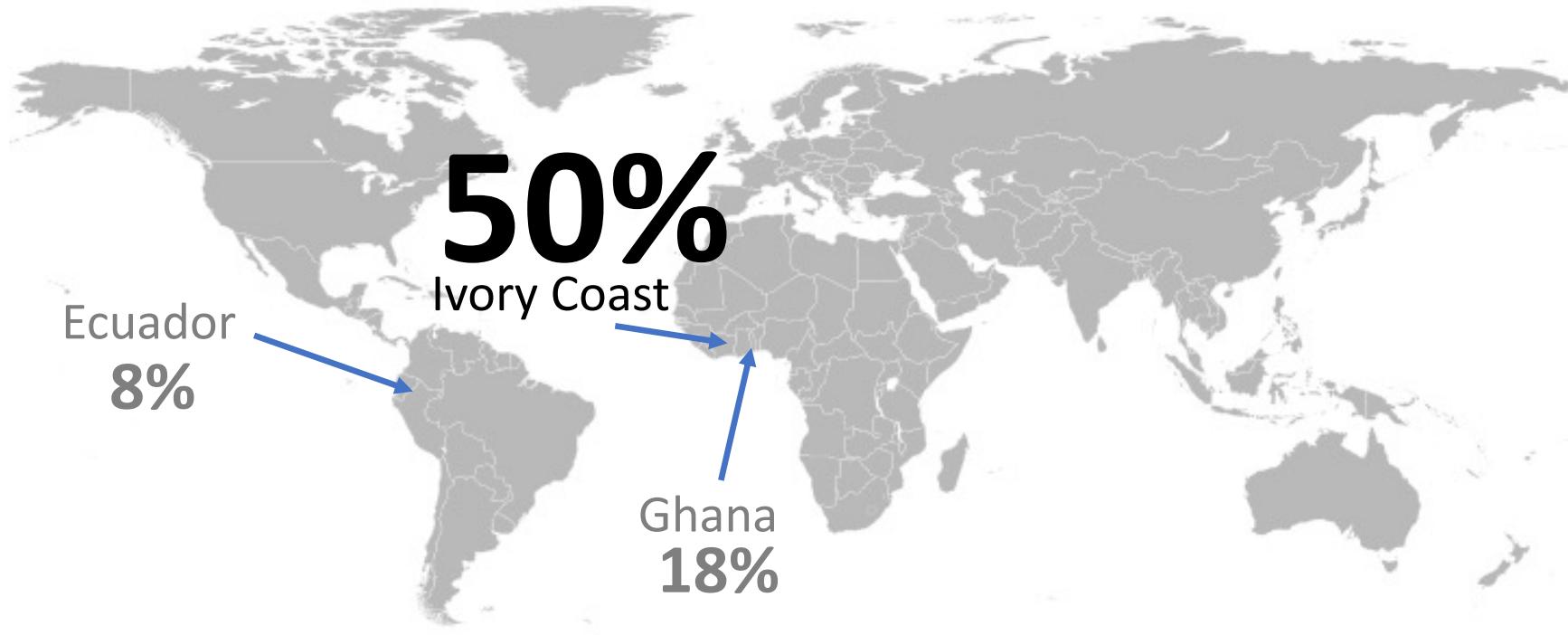
*Theobroma cacao*



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



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



**Côte d'Ivoire:** #1 Export  
(40% of export income, 4.95 B)

**Ghana:** #3 Export  
(16% of export income, 2.71B)

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



Credit: ©2017CIAT/Neil Palmer



Trees felled for a cocoa plantation inside the Scio Forest Reserve in western Ivory Coast. MIGHTY EARTH

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

Rain Forest Cleared  
2002-2019: Ivory Coast:  
25%, Ghana: 8%

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Climate Change will  
greatly reduce area for  
Cacao farming

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USA chocolate sales in  
2021: \$21.1 Billion

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Global demand for  
chocolate estimated  
to DOUBLE by 2050.



Yangambi Engagement Landscape, DRC.  
Photo by Axel Fassio/CIFOR

# Part 2: Semester Overview

**In-Class Activities**  
500 pts (50%)  
20 pts each; only the 25 submissions with best scores count towards grade

**Final Project**  
200 pts (20%)

Materials + Description

**Analytic Essay**  
125 pts (12%)  
1000-1200 words + graphs

**Movie Reviews**  
100 pts (10%)  
Review + Data Sheet

**Reflective Essay**  
75 pts (8%)  
500-700 words



| WEEK  | DATE                 | TOPIC   |
|---|----------------------|---|
| <b>WHY ARE WE FASCINATED BY TROPICAL RAIN FORESTS?</b>      |                      |   |
| Week 1  | 1 22-Aug<br>2 24-Aug | Class Starts Thursday!<br>Course Welcome and Introduction   |
| Week 2  | 1 29-Aug<br>2 31-Aug | Historical Narratives<br>Rain forest imagery in Art & Lit   |
| Week 3  | 1 5-Sep              | The Rain Forest in Pop Culture  |
| <b>THE ECOLOGY &amp; EVOLUTION OF TROPICAL RAIN FORESTS</b> |                      |   |
|   | 2 7-Sep              | What is a Rain Forest?  |
| Week 4  | 1 12-Sep<br>2 14-Sep | What else is a Rain Forest?<br>Patterns of Biodiversity 1   |
| Week 5  | 1 19-Sep<br>2 21-Sep | Patterns of Biodiversity 2<br>Origins of tropical biodiversity  |
| Week 6  | 1 26-Sep<br>2 28-Sep | Maintenance of tropical biodiversity - FLMNH Trip<br>The Paradox of Luxuriance & Forest disturbance     |
| Week 7  | 1 3-Oct<br>2 5-Oct   | Humans are part of rain forests<br>Narratives Revisited: Biology, History, Fiction, Reality             |
| Week 8  | 1 10-Oct             | JUNGLE FILM FESTIVAL (Evening Screening, 7 pm)  |
| <b>THE DRIVERS AND IMPACTS OF DEFORESTATION</b>             |                      |   |
|   | 2 12-Oct             | How much Tropical Rain Forest is there?   |
| Week 9  | 1 17-Oct<br>2 19-Oct | How much Tropical Rain Forest have we lost?<br>Drivers of Deforestation: Timber, Mining, Infrastructure |
| Week 10   | 1 24-Oct<br>2 26-Oct | Drivers of Deforestation: Agriculture<br>Climate change and Tropical Forests                            |
| <b>THE FUTURE OF TROPICAL RAIN FORESTS</b>                  |                      |   |
| Week 11   | 1 31-Oct<br>2 2-Nov  | Addressing Climate change<br>Consumer choices   |
| Week 12   | 1 7-Nov<br>2 9-Nov   | DURIAN FEST<br>International frameworks   |
| Week 13   | 1 14-Nov<br>2 16-Nov | Local Initiatives, Empowered Communities, & Activism<br>Protected areas                                 |
| Week 14   | 1 21-Nov<br>2 23-Nov | Project Work Day<br>No class - Thanksgiving   |
| Week 15   | 1 28-Nov<br>2 30-Nov | Forest restoration & regeneration<br>Tropical Rain Forests & Global Health                              |
| Week 16   | 1 5-Dec<br>2 7-Dec   | Rain Forest Headlines / What will you do?<br>No Class - Reading Days                                    |
| Finals Week   | 14-Dec               | Finals Week   |

read



A raft of logs is prepared for a trip down the Congo River.

### Raft by Raft, a Rainforest Loses Its Trees

listen



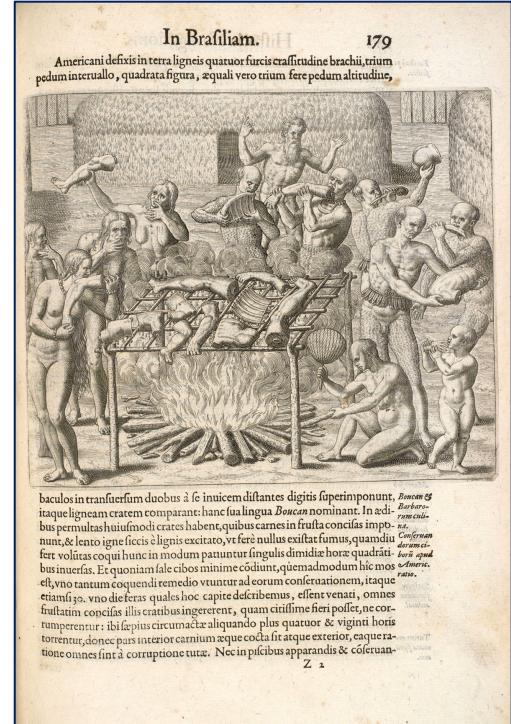
THROUGHLINE  
There Will Be Bananas  
January 9, 2020 · 12:01 AM ET  
56-Minute Listen

watch



# Section 1

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|--|----------|----------------------------------|
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|  | 2 31-Aug | Rain forest imagery in Art & Lit |
| Week 3   |          |                                  |
|  | 1 5-Sep  | The Rain Forest in Pop Culture   |



# Section 2

## THE ECOLOGY & EVOLUTION OF TROPICAL RAIN FORESTS

|        |   |        |  |
|--------|---|--------|--|
|        | 2 | 7-Sep  | What is a Rain Forest?                                   |
| Week 4 | 1 | 12-Sep | What else is a Rain Forest?                              |
|        | 2 | 14-Sep | Patterns of Biodiversity 1                               |
| Week 5 | 1 | 19-Sep | Patterns of Biodiversity 2                               |
|        | 2 | 21-Sep | Origins of tropical biodiversity                         |
| Week 6 | 1 | 26-Sep | Maintenance of tropical biodiversity - FLMNH Trip        |
|        | 2 | 28-Sep | The Paradox of Luxuriance & Forest disturbance           |
| Week 7 | 1 | 3-Oct  | Humans are part of rain forests                          |
|        | 2 | 5-Oct  | Narratives Revisited: Biology, History, Fiction, Reality |
| Week 8 | 1 | 10-Oct | JUNGLE FILM FESTIVAL (Evening Screening, 7 pm)           |



# Section 2

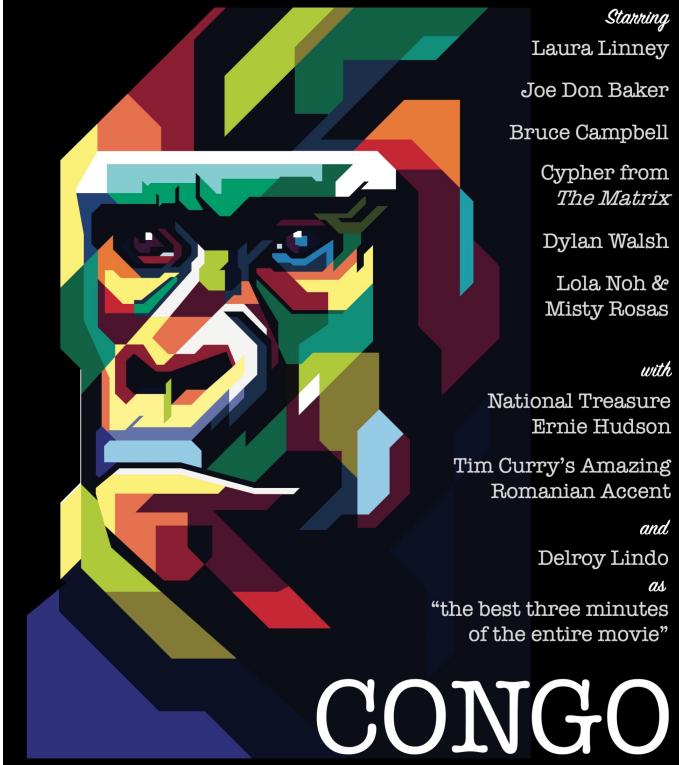
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IDS 2935 - THE FUTURE OF RAIN FORESTS

# JUNGLE FILM FESTIVAL 2.0

THE WORST OF RAIN FOREST CINEMA



13.10.22

6:15 PM

FAB 0103

# Section 3

## THE DRIVERS AND IMPACTS OF DEFORESTATION

|         |   |        |  |
|---------|---|--------|--|
|         | 2 | 12-Oct | How much Tropical Rain Forest is there?                  |
| Week 9  | 1 | 17-Oct | How much Tropical Rain Forest have we lost?              |
|         | 2 | 19-Oct | Drivers of Deforestation: Timber, Mining, Infrastructure |
| Week 10 | 1 | 24-Oct | Drivers of Deforestation: Agriculture                    |
|         | 2 | 26-Oct | Climate change and Tropical Forests                      |

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Trees felled for a cocoa plantation inside the Solo Forest Reserve in western Ivory Coast. MIGHTY EARTH

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

# Section 4

## THE FUTURE OF TROPICAL RAIN FORESTS

|                    |               |                    |  |
|--------------------|---------------|--------------------|--|
| Week 11            | 1             | 31-Oct             | Addressing Climate change                            |
|                    | 2             | 2-Nov              | Consumer choices                                     |
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| <b>Finals Week</b> | <b>14-Dec</b> | <b>Finals Week</b> |  |

## the notorious DURIANFEST

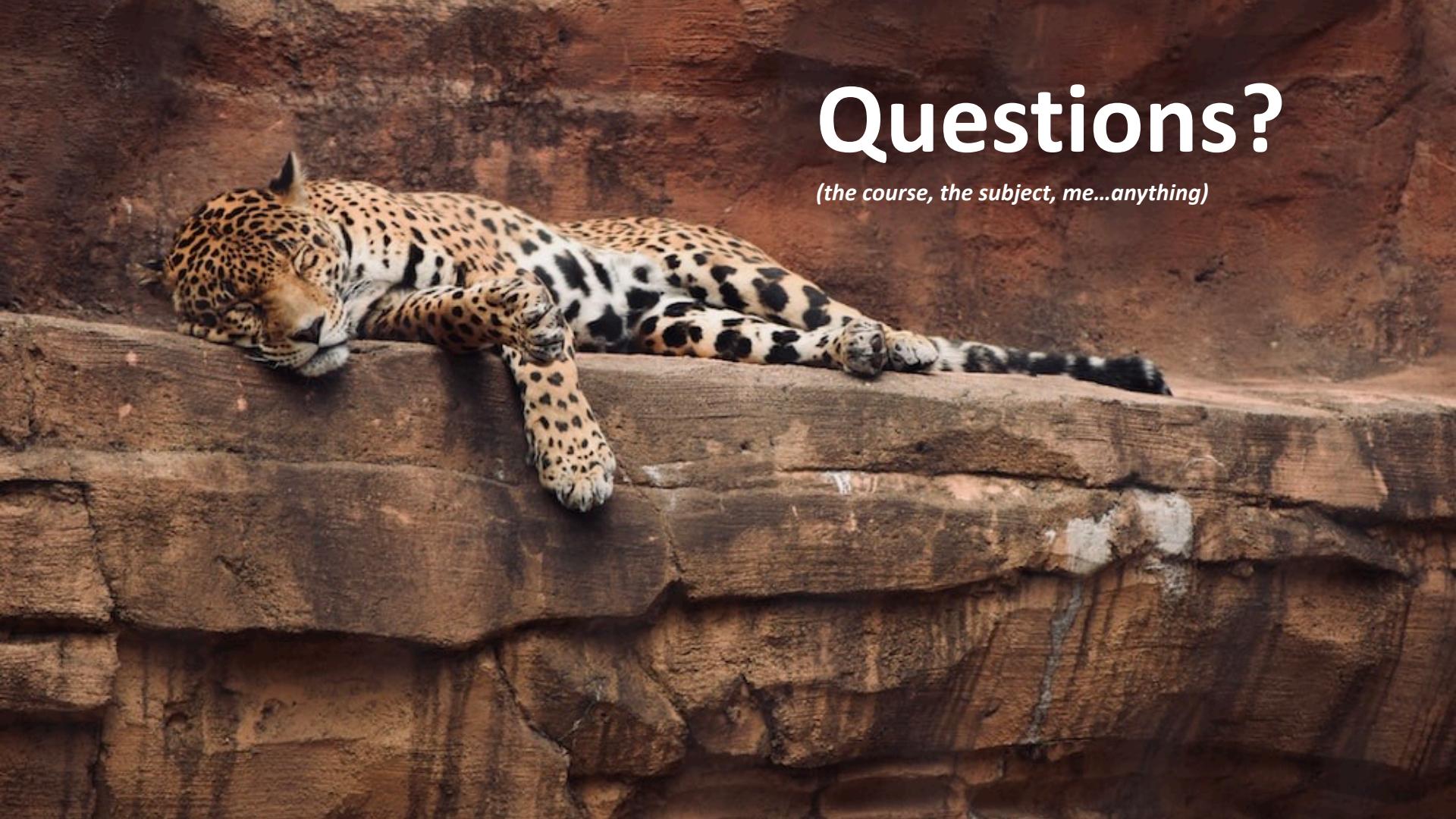


ids 2935 the future of rain forests

1 17 Nov 22  
9:35 am

2 Bruna Lab Lawn  
711 Newell Dr.

3 A UF Quest Production  
www.BrunaLab.org

A jaguar with a distinctive black and tan spotted coat is resting on a large, weathered wooden beam. The beam is part of a larger structure, possibly a bridge or a dock, with visible horizontal grain and some white, crusty growth. The background consists of dark, textured rock walls.

# Questions?

*(the course, the subject, me...anything)*