



## GALESS Brazil Conference Information Pack 2 (IP2)

### Life Sources – Natural Resources

Participating Schools (Status March 9, 2024) :

- 1. African Leadership Academy**  
Johannesburg- South Africa  
3 students/ 1 guiding teacher  
<https://www.africanleadershipacademy.org/>
- 2. IV Liceum Ogólnokształcące im. Mikołaja Kopernika w Rybniku**  
Rybnik-Poland  
3 students/2 guiding teachers  
<https://www.ivlorybnik.pl/>
- 3. CEFET – team 1**  
Varginha-Brazil  
3 students / 1 guiding teacher  
<https://www.varginha.cefetmg.br/>
- 4. Colegio Claustro Moderno**  
Bogota- Colombia  
3 students/ 1 guiding teacher  
[Colegio Claustro Moderno](#)
- 5. CEFET – team 2**  
Varginha-Brazil  
3 students / 1 guiding teacher  
<https://www.varginha.cefetmg.br/>
- 6. Brazil School**  
Belo Horizonte  
3 students / 1 guiding teacher  
<https://www.varginha.cefetmg.br/>



## Basic Research Setting TiltShift Challenges

Structure of TiltShift Challenge 3, Domain: [Life Sources](#)

There are three basic features that characterize these challenges:

- A research-effort & report connected to a Thesis is the basic element of the TiltShift Challenge. The thesis presents the task, the question, or the issue which the students will address and contribute to solve. The thesis is presented by either a well-known politician, a specialist/professor in the particular domain or a practitioner.
- The students will complete the research-task in groups of 3, guided by a Teacher-Mentor. A well-known politician, specialist or practitioner from their immediate living environment, whose function can be described as a 'living library' is available for advice and consultation.
- The solutions or tasks completed will be presented twofold. First, a written report of the solution or task must be available. Secondly, the solution/task needs to be presented in a challenge situation with other teams. A group of experts will act as jury, judging the contributions. The research-reports of all teams involved in the same *challenge* will be published in one Challenge book as well as on the GALESS website.

The GALESS TiltShift Challenge *Life Sources* is implemented in three different conferences in 2024. Conference Locations: Miami-USA, Varginha-Brazil and Melbourne - Australia.



## RESEARCH REPORT

There are three topics to address in one research-paper:

(Prof. Cristina Roscoe Vianna, Brazil)

1. How does the economy of natural resources impact your country?
2. Is the economy of natural resources sustainable with climate change?
3. Elaborate a strategy to avoid shortage of natural resources based on sustainable use. Involve the aspect of international cooperation in your strategy.

Further Definitions -----

1. What is the economic value of natural sources in your country?
2. What are the histories of use of natural resources sources linked to social and economic aspects of your country?
3. How does the economy of natural resources impact your country?
4. Is the economy of natural resources sustainable with climate change?
5. What kind of wastes or damages are generated by exploiting natural sources?
6. What are the main policies of your country that contribute to the preservation and recovery?
7. What kind of wastes are generated using natural sources? How are they disposed of or (re) used?
8. What can be done to avoid the discharge of these wastes?
9. Elaborate a strategy to avoid a shortage of natural sources.
10. Elaborate a strategy to maximize the preservation and recovery of natural sources while simultaneously making possible its sustainable use.

### Suggestions

To write your report you can think of all the concepts that are covered integrating conservation and development;

Meeting basic human biological needs;

Achieving social justice, autonomy, and cultural diversity; and protecting ecological unity.

Life sources can be considered from different organisms from natural ecosystems as algae, plants, microbial, and animal derivatives to produce cosmetics, medicine, food, or any input for commercial processes or valuable means.

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### **Basic Report specs (see also Information Pack 1)**

- Word length 2500-5000
- References and all other sources must be acknowledged
- Word length of the written report must be shown clearly on the report. Reports that are 10% over the permitted word length will not be accepted.

### **Information gathering and application**

Sufficient breadth and depth of pertinent information; information extends beyond local context to regional context. Identifies the dilemma, including pertinent facts; states what course of action must be decided.

### **Analysis of Arguments**

Determines stakeholders involved and Identify 2-3 arguments and evaluates their consequences effectively.

### **Weighing and Balancing Arguments**

Arguments are sufficiently evaluated. Identifies and applies at least one appropriate theoretical or ethical framework for evaluating alternatives.

### **Formulation of Conclusion**

Identifies and explains an appropriate conclusion, and proposes a plan for implementing it. Linkage between content and global sustainability issues or threats is sufficient; significance at a global level is sufficient.

### **Report Layout Specs**

*More information about the layout of the report can be found in the GALESS Information Pack 2 Deliverables (see attachment 1 in this document )*



## Delivery Student data, *Abstract* Research Report and Final Research Report

### 1. School / Student data

Send the following confirmation details to [info@galeless.org](mailto:info@galeless.org) as soon as possible.

- Name of your school,
- Address of school,
- Phone number of school,
- Name, email address & phone number of Teacher-Mentor of the team,
- Number of team members (max 4 including extra stand-by student)
- Names of team members (TM) including an extra stand-by-student,
- provide the following: TM Surname TM First name TM Date of birth TM Gender,
- Name of External Resource(s) acting as 'living library'.

### 2. Abstract Research Report

Send the Abstract Research Report to [info@galeless.org](mailto:info@galeless.org) before **March 30, 2024**

(An abstract is a short summary of your research paper, usually about a paragraph, 6-7 sentences, 150-250 words long) . Your Abstract will be published on the GALESS website.

### 3. Research Report

Send your final research report to [info@galeless.org](mailto:info@galeless.org) before **August 1, 2024**

Your research report will be published on the GALESS website one week before the conference and will be published in the GALESS research book Life Sources end of 2024.



## Conference Brazil

### Timetable Conference Brazil:

January 26, 2024	Closing date pre-registration
February 8, 2024	Information Pack 1
February 15, 2024	Publication list participating schools,
February 15, 2024	Closing date <i>full</i> registration school-teams
February 15-28,2004	GALESS CA fee, EUR/USD 50,- pp.
March 7, 2024	Information Pack 2
March 30, 2024	Final Delivery <i>Abstract</i> Research Report
June 1 , 2024	CEFET conference fee, USD 500,- pp.
July 15, 2024	Information Pack 3. Conference Week Final Agenda & Activities
August 1, 2024	Final delivery date research-reports
September 1-7, 2024	Conference week Brazil, presentations of reports and student certificates, provisional program in IP2.
January 1, 2025	Publication research-reports – book Life Sources.

#### Further Q & A

##### **1. Addressing Q&A**

***If you have operational questions about the conference itself and the local agenda, please address to the organizer : Prof. Cristina Roscoe Vianna : [crisroscoe@gmail.com](mailto:crisroscoe@gmail.com)***

***Questions and comments about abstracts, student registrations, living library registrations, mentor registrations and possible mutations in registration data, jury activities, address to [info@galless.org](mailto:info@galless.org)***

##### **2. Publications**

Research reports and student data are registered in the GALESS information system for certificate production and research-book production. Research-reports will be published on the website of GALESS not earlier than one week before the conference.

##### **3. Agenda Conference week.**

The **final** agenda for the conference week will be published in Information Pack 3. A provisional agenda is included in this Information Pack 2.



#### 4. Insurances

We strongly recommend that you obtain insurance which will cover your obligations regarding the trip to Brazil, including the payments due to cancellation by yourself or your team members.

It is your responsibility to ensure that the insurance coverage you purchase is adequate for your private needs.

#### 5. VISA requirements.

We strongly recommend you to arrange VISA requirements for you and your students in time. Invitation Letters, if necessary, will be provided by the organizing school (CEFET) , based on request.

#### 6. GALESS Database access

Information Pack 2 comes with a manual to get access to the GALESS website & database. See your mail-attachments included in the mail "Information Pack 2".

#### 7. Invoices.

Invoice currency will be either in EURO (European Euro Countries) or USD.

Please make sure that you will use in any payment to GALESS and the organizing school the option: "OUR bank transfer", which means that the sender of the payment will bear all of the bank-payment transaction-fees.

## ***Provisional Agenda Conference*** September 2024 (1st – 7th)

### **Arrival in Belo Horizonte – September 1<sup>st</sup>**

#### ***Overnight Stay Belo Horizonte***

### **Monday (September 2nd, 2024)**

**Morning – jet lag recovers.**

**11:30 A.M – Luch at CEFET – Belo Horizonte**

**2:00 P.M– Presentation of CEFET-MG**

**2:30 P.M – Tour of the Central Market – Importance of biodiversity on food production and health. Ice-breaking dynamics in the market.**

#### ***Overnight Stay Belo Horizonte***



## Tuesday September 3rd, 2024

Belo Horizonte – Sabará – Varginha

8:00 – 12:00 A.M – Cultural and technical visit in Sabará city – Minas Gerais History - Gold Cycle and its social and environmental impacts.

12:00 – Lunch

1:00 P.M – 5 P.M – Trip to Varginha – accommodation in the host families' homes.

*Overnight Stay Varginha*

## Wednesday – September 4th, 2024

Varginha

10:00 A.M – ET Memorial or Zoo– Speech – History of Varginha and its natural resources

12:00 A.M – Lunch at CEFET (lunch package)

Afternoon of lecture, cultural and scientific presentations.

01:30 P.M – cultural presentations

2:00 P.M– Guest speaker: Strategy for biodiversity preserving and its economic and social value.

2:30 P.M – 3:45 P.M – Oral presentation of students' research work (2 works, 20 minutes - 15 min. presentation, 5 min. Discussion).

3:45 P.M – 4:15 P.M – Coffee break (genetic biodiversity of Brazilian coffee and coffee tasting)

4:15 P.M – 5:30 P.M Oral presentation of student research papers (2 papers, 20 minutes - 15 minutes. presentation, 5 min. Discussion).

Socialization time: Bowling at the mall

*Overnight Stay Varginha*

## Thursday – Varginha – September 5th, 2024

8:00 – 1:00 P.M Morning – Coffee production chain – from the field to the industry –





**Sustainable Agriculture.**

**1:00 P.M – 2:00 P.M : lunch (lunch package)**

**2:00 P.M– 4:15 P.M: Oral presentation of students' research work (2 works, 20 minutes - 15 min. presentation, 5 min. discussion).**

**4:15 P.M – 4:30 P.M – Coffee Break**

**4:30 P.M – 5:45 P.M: - Oral presentation of students' research work (2 works, 20 minutes - 15 minutes. presentation, 5 min. Discussion).**

**“Quinta da Boa Música” social moment at the old railway station**

***Overnight Stay Varginha***

**Friday – Varginha – Inhotim - Belo Horizonte – September 6th, 2024**

**7:00 A.M – Trip to Belo Horizonte with stop in Inhotim**

**– Lunch at Inhotim Museum and guided tour**

***Overnight Stay Belo Horizonte***

**Saturday (free day) - Belo Horizonte (September 7th , 2024)**

**Suggestions depending on departure times flights:**

**Guided tour at Mangabeiras and Serra do Curral Parks (morning), Lunch at a restaurant Baiana do Acarajé, Cultural Circuit of Praça da Liberdade.**



## **Attachment 1**

GALESS TiltShift Conference. Information Pack 2 \_\_\_\_\_ GALESS Deliverables.

Your research results should be published in a document with a standard format setting.

### **The Thesis,**

Highlighting the research location/region/country and your social/cultural setting of the thesis's in the challenge

Team: FirstName1 LastName1, FirstName2 LastName2

*Some Institute, Country, Corresponding Email of teacher ic*



## ***Summary***

Your summary should be inserted here (max 200 words).

## ***Keywords***

keyword1, keyword2, keyword3 (max of 5 keywords)

## **1 Introduction**

Before you start writing your paper, first read the following instructions regarding manuscript preparation in order to have a uniform layout throughout the proceedings.

Your manuscript file should be in PDF format,

## **2 Basic formatting instructions**

### **2.1 Page layout**

The page size must be standard **A4** (210 mm wide and 297 mm high). MS Word users should first declare so to the printer connected to their computer by clicking on printer options, paper size. Then, under MS Word, click on file, page layout, and size. Units should be set in centimeters (one inch equals 2.54 cm). To do so under MS Word, click on "Tools", then "Options", then "General.

#### **Do not insert page numbers!**

All four margins (left, right, top and bottom) must be set to 1.5 cm. To do so under MS Word, click on file, page layout, margins.

The text should be written in two columns, 1 cm apart from each other, and 8.5 cm wide. Exceptions may occur when writing long equations or inserting wide graphs or pictures.

The whole text should be typed using the Times New Roman font, with a size as specified in Table1.

### **2.2 Paragraph formatting**

The body of the paper (style **Normal** in MS Word) should be aligned justified and not indented. 10 pt font should be used. A vertical spacing of 4 pt should be inserted between paragraphs.

### **2.3 Sections, subsections**

Both levels of sections (**Heading 1-2** styles in MS Word) should be left aligned. The vertical spacing before and after section marks is given in Table 1.



## 2.4 Tables

Tables should be centered in the column (or page, if the size of the table makes it necessary), followed by a 9 pt font caption placed **above** the table. They should be separated from the text by a 12 pt spacing.

Table 1: Paragraph formats

Paragraph style	Font size	Spacing		
		Above	Below	align
Title	14 pt	0 pt	12 pt	center
Authors	12pt	0 pt	0 pt	center
Address	10pt, italic	4 pt	0 pt	Center
Heading 1	14 pt	21 pt	12 pt	Left
Heading 2	13 pt	12 pt	12 pt	Left
Normal	10 pt	4 pt	0 pt	justified
Reference Heading	14 pt	21 pt	12 pt	left



## 2.5 Figures

Figures should be centered in the column using a 9 pt font. (or page, if the size of the figure makes it necessary), followed by a caption, as shown in Fig.1. They should be placed **below** the figure.

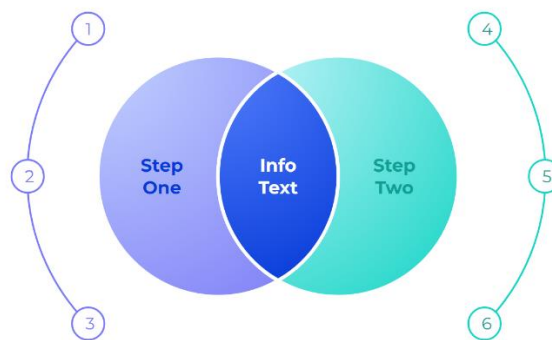


Figure A: Text over here.

## 2.6 Equations

Equations should be centered and identified by a number, as following:

$$\sum_{i=1}^n i^3 = \left( \frac{n(n+1)}{2} \right)^2$$

Eq.(1)

Refer to equation number 1 as Eq.(1).

Please use the International System of Units.



### 3 Content

#### 3.1 The scope of the investigation

Please clearly explain local versus more general considerations in coherence and consistency regarding the thesis.

#### 3.2 Method of the investigation

Please clearly explain the way you included your environmental resources in the report (including way of consulting), step by step development in a process-description/thinking, timing of the research-efforts, referential aspects etc

Please clearly explain your own contribution to the investigation with arguments, considerations etc.

#### 3.3 Results of investigation

### 4 Conclusion(s)

Thank you for following these instructions. It will be good to conclude with some recommendations of future works that can be done.

### Acknowledgements

### References & further resources

The reference section should not be numbered (please use the style **Reference heading**).

Quotes in the text should be given by numbers enclosed in bracket [1], in the order that appears in the text. Multiple quotes should be written together, separated by commas [1, 2] or [1-5] for quotes that contain more than 3 references.

[1] Doyle, Arthur Conan (1893). *The Original illustrated 'Strand' Sherlock Holmes* (1989 ed.). Ware, England: Wordsworth. pp. 354–355.

[2] Rowling, J.K. (1997). *Harry Potter and the Philosopher's Stone*. Bloomsbury. pp. 109–113.