

February 2024, document also available at GALESSS website, [www.galeless.org](http://www.galeless.org)



## Information Pack 1 GALESS Brazil Conference

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### Introduction

Welcome to the third edition of the GALESS TiltShift Challenge, domain: Life Sources.

With this document, we send you more detail information about the Tiltshift Challenge Life Sources to be held in Brazil from **September 1-7 2024**. The organizing school is CEFET Brazil. URL: [Unidade Varginha \(cefetmg.br\)](http://Unidade Varginha (cefetmg.br))

The TiltShift Challenge Life Sources will be organised in a physical setting. As the title reveals, this time we will focus our student research area on the status and developments of Life Sources, Natural Resources.

The TiltShift Challenge includes a period for research efforts followed up by physical or - for some teams - virtual presentations, starting February 15, 2024 and to be ended on August 1, 2024.

The research activities are meant to be set in a school environment, in a school team of 3 students and max two guiding teachers. Reference contacts from your school, local community and region who may serve as living libraries are also requested. These research-activities cover a period from February 15, 2024 up to August 1, 2024. In week 31 of the year 2024 (end of July a written report is part of the required deliveries. The presentation of your report will take place during the conference in Brazil.

This TiltShift Challenge addresses an effort to contribute to awareness about complex questions in a Life Sources, looking for sustainable and responsible answers from our young generation in each part of the world.

Research Setting: a timetable is included, website information provided and appendices about delivery, including judging/assessment aspects are added as well in three Information Packs during the research period. Certificates for each team participating in the TiltShift Challenge will be part of the full concept and will be awarded at the end of the challenge.

In whatever circumstances, our efforts will always be connected to our GALESS mission to motivate our students towards global sustainability.

## GALESS Research Setting



### TiltShift Challenge

The TiltShift Challenge is meant to enthuse students to undertake action to ‘catch their future’ through a process of contemplation, research and creativity. Students are asked to complete academic assignments or tasks and will then be presented with group challenges among various schools all over the world. We invite students to engage in the larger problems facing them, their school, their community and beyond, thus enticing them to extend their learning boundaries beyond their classroom-walls, with challenges that are invariably more complex.

### Structure of TiltShift Challenges

There are three basic features that characterize these challenges:

- The challenge presents the task, the question (thesis), or the issue which the students will address and contribute to solve. The challenge is presented by either a well-known politician, a specialist or a practitioner.
- In groups of 3, the students will complete the task 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, there must be a written description/account of the solution or task completed. Secondly, the solution/task completed needs to be presented in a challenge situation with other teams. A group of experts will act as jury, judging the contributions. Of all teams involved in the same challenge the written accounts of the solution or task completed will be published in a Challenge book as well as on the GALESS website.

## Tiltshift Challenge Life Sources 2024



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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## Written Report

- 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.
- A template of report with instructions will be sent in way all reports have the same format.



### **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*



## Step-by-step Guide for Dealing with Ethical Dilemmas

### Phase 1: Explore dilemma

Make an inventory of the questions and try to find an answer. The goal is to get a complete picture of the situation by gathering facts. You ask questions such as: Is the issue clear? What factual information is still missing? What does the situation look like from different angles and perspectives? What else do we need to know? Which studies still need to be done?

When you work out the dilemma in a conversation, you involve the different disciplines involved in /connected to this case. Try to empathize with the viewpoints of the different disciplines. In this phase, it is important to focus on the facts -there is no room for your own opinion (yet).

### Phase 2: Identification

Identification of those involved and analysis of their arguments. Identify who is involved in the situation, what their responsibilities are and what arguments the parties involved have. Pay attention to the moral substantiation of the arguments such as underlying values and norms.

### Phase 3: Weighing arguments

This phase is the most important one. Here you compare the pros and cons of the various arguments. This is preferably done as systematically as possible. Important: it is about valuing the arguments to make a proper assessment for this specific case. Weighing and balancing arguments is perhaps the most important phase in the roadmap, but it also is the most difficult. Ethics is ever of paramount importance. Sometimes consensus can be reached, though not always possible. It is about valuing the arguments and weighing up what is most important in the case in question. Ethical theories can be helpful here. It can also help to consider ethical concepts such as subsidiarity and proportionality. In addition, it can sometimes be useful to apply thought experiments to the case. For example, by hypothetically changing certain facts, you may better highlight the relevant aspects in the case presented. In addition, you can clarify and balance the arguments better.

### Phase 4: Formulating the conclusion

At the end of the thinking process you formulate the conclusion. Here you have to consider whether and how you can minimize the negative impact that may arise from the conclusion.



## Final Team-Registration

Details for final team-registration will be collected by the GALESS front-desk February 15 , 2024.

We require at that time :

- full school-name
- student-name details, gender and date of birth
- guiding teacher name(s) & contact details
- name(s) of living library/ (ies)
- name reserve stand-by student

(Data only to be used for GALESS Certificate production)

## Conference Brazil

- The conference fee Brazil for students will be USD 550,- per student/teacher. This fee includes the GALESS CA fee (EUR or USD 50,- pp.)
- Billing GALESS CA fee by GALESS-desk: USD 50,- per participant between mid and end of February 2024  
Billing conf. fee by CEFET: USD 500,- per participant 0-15 weeks before the conference. (Early June 2024)
- The Conference includes a travel program between Belo Horizonte and Varginha, vice versa. Included in the price: One week stay in accommodations (3 nights in hotel in Belo Horizonte, 3 nights home-stays in Varginha for students, hotel for teachers), full boarding, local travel, excursion program & cultural activities.
- We strongly recommend that you obtain insurance which will cover your obligations regarding the trip to the 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.
- 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, based on request.
- Vaccination cards must be updated and we recommend taking vaccines for tropical diseases such as yellow fever, please check if they are available in your home country.
- The organizer is: CEFET Brazil  
Contact details:  
Local Project-coordination: Cristina Roscoe Vianna: [crisroscoe@gmail.com](mailto:crisroscoe@gmail.com)



## 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, 2024	GALESS CA fee, EUR/USD 50,- pp.
March 1, 2024	Information Pack 2
March 15, 2024	Final Delivery <i>Abstract</i> Research Report
June 3, 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.