

Information letter Melbourne Conference

December 2022



Introduction

Welcome to the second edition of the GALESS TiltShift Challenge, Energy Transition.

With this document, we send you more detailed information about the Tiltshift Challenge Energy Transition Conference to be held in Melbourne, Australia on October 17-20, 2023, organized by the Boroondara Gifted Network (BGN, a voluntary schools/teacher professional network for gifted and talented from 16 schools in Melbourne) and GALESS.

We are envisaging a Conference opening on the evening of Tues 17th Oct and will provide comprehensive information for visiting schools re optional local activities for the weekend.

Participation in this challenge is limited to schools from Australia, New Zealand and Asia only. Recruiting schools for this conference-edition is a joint effort from BGN Network and GALESS. Applications from Asian schools are collected by way of the GALESS frontdesk. Since GALESS TiltShift Challenges have limited access to the number of schools as well, we would like to welcome **max 4 schools (4 teams of max. 4 students) from Asia** in this case.

As the global pandemic situation has had a positive change, the TiltShift Challenge Energy Transition will be organized in a physical setting. As the title reveals, this time we will focus our student research area on the worldwide Energy Transition.

The TiltShift Challenge includes a period for research efforts followed up by physical or - for some teams - virtual presentations, starting February, 2023 to be ended on October 1, 2023.

The research activities are meant to be set in a school environment, in a school team of 4 students and a guiding teacher. Reference contacts from your school, local community and region who may serve as living libraries are also requested. These activities cover a period from February 2023 up to October 2023. In week 40 of the year 2023, a written report and a presentation in a competition setting are part of the required deliveries.

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



Research Setting: following registration a timetable is included, website information provided and appendices about delivery, including judging/assessment aspects are added as well with feedback. 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. GALESS Melbourne is a co-operative engaging research opportunity for students.

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 characterise these challenges:

- The challenge presents the task, the question, 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 4, 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 and giving feedback. 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 2023

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

1. Investigate your country's energy system.
 - a. What sources of energy are currently available?
 - b. How much and what type of energy is consumed?
 - c. What (if any) sources of energy are imported / exported?
2. Propose a plan for transitioning your country's energy system away from carbon-based sources.
 - a. What energy sources would be used and how would they be developed/acquired?
 - b. What are some of the anticipated challenges in this transition?
 - c. How can some of these challenges be overcome?
3. Examine the global implications of your country's energy system transition.
 - a. What are some potential impacts of your country's transition on other countries?
 - b. How can your country aid other countries in their transition to decarbonized energy systems?



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.

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*

More information about the layout of the report will be published in Information Pack 1



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 connected to this case.. Try to empathise 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 never 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 minimise the negative impact that may arise from the conclusion.



Pre- Registration

Please use the pre-registration form for basic registration details and send it in as soon as possible to info@galess.org.

GALESS Melbourne will publish times of speakers during the course of the year and schools participating are welcome to login at these times. (see “Program”)

Final Registration

Details for final registration will be collected by the GALESS front-desk (info@galess.org)
We require student-name details only by the end of March, 2023.



Melbourne

- The conference fee Melbourne for students is estimated as USD 220 per student for the conference program. Billing by BGN (Boroondara Gifted Network) four weeks before the conference.
- Accommodations for students are **not** included in the fee. BGN will advise you about proper accommodations in Melbourne at the latest in March 2023
- We strongly recommend that you obtain insurance which will cover your obligations regarding the trip to Melbourne, 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.

- The organiser is:

Boroondara Gifted Network
Contact: Michele Linossier
galessmelbourne2023@gmail.com

Timetable Conference Melbourne:

January 31, 2023	Closing date pre-registration school-teams Publication Information Pack 1
February 7, 2023	Publication list participating schools & virtual registrations. Information Pack 2
June 20, 2023	Final Delivery Abstract Research Report
July 18, 2023	Information Pack 3. Conference Week Agenda & Activities
September 19, 2023	Final delivery date research-reports
October 17-20, 2023	Conference week, student certificate
January 2024	Publication research-reports - book



Conference week (provisional)

The conference in Melbourne includes an evening conference opening, 3 working days and one excursion day.

Dates

Opening of Conference evening of 17th October

October 18-20, 2023 Conference days

October 21 optional excursion day - under construction

Program

October 18, 19 and 20, 3 organising schools in the BGN network offer a full day workshop & presentation & keynote program including morning tea and lunch each day at a different school. (Schools are closely located together and accessible by public transport) October 21 optional excursion day.

From Feb. – Aug 23 : 3 virtual seminars about Energy Transition included. GALESS students involved in all conferences in 2023 can take part. During presentation days in Melbourne virtual contributions are welcome as well.