

EAGE Laurie Dake Challenge  
Rules and procedures  
Assignment  
Provided by Total Energies

## 1. Introduction

The EAGE LAURIE DAKE Challenge promotes cross-disciplinary geoscience and engineering integration within universities.

Each participating university will have a multi-disciplinary team of full-time geoscience and petroleum engineering students, with a maximum of one PhD student per team. After the essay round, six teams will be selected and will have to assess the feasibility and potential of CO<sub>2</sub> capture by mineralization in basalts in three stages. Each university team will have the same sponsored assignment to work with.

Teams can consist of full-time students from some or all of the following disciplines:

- Geophysics
- Geology
- Reservoir engineering
- Petrophysics
- Petroleum Engineering
- Environment
- CO<sub>2</sub> Storage
- Geothermal
- Mining
- Geochemistry

## 2. Participation

- Any academic institution with a Geoscience and/or Petroleum/Reservoir Engineering Degree or Post Graduate programme may participate in the EAGE LAURIE DAKE Challenge.
- A team of three to five students should analyze and work on a LAURIE DAKE Development Plan.
- Bachelor, as well as Master students may participate in the challenge. A maximum of one PhD student per team will be allowed.
- The expert jury will take the level of the students into consideration in the judging process for both the essay competition and the LAURIE DAKE Development plan.
- More than one team of an academic institute is allowed to participate in the LAURIE DAKE Challenge. To protect the quality of the assignment submissions, it is advised that a faculty member coordinates the applications within his/her academic institute. Students are only allowed to sign up in one team of their university.
- A LAURIE DAKE Challenge team may consist of students from several academic institutes, but can only represent one. The academic institute of the team's faculty advisor is leading.

### **3. Faculty advisors**

- The faculty advisor is responsible for the maintenance of the rules and procedures of the LAURIE DAKE Challenge.
- The role of the faculty advisor is to advise only.
- Every participating student team needs to be confirmed and approved by the faculty advisor.

### **4. Withdrawal of team**

- If a university decides to withdraw the LAURIE DAKE Challenge team from the competition no penalty will be considered in case the assignment was not yet sent to the university. If the team withdraws from the competition after the assignment was made available, EAGE and the assignment providing company may decide on a penalty depending on the reasons for withdrawal.

### **5. Plagiarism**

- All applications as well as LAURIE DAKE Development Plans will be checked for plagiarism. Therefore every student and faculty advisor should be aware of what plagiarism is and how to avoid it.
- A LAURIE DAKE Challenge team must always give credit in case of using another person's ideas, opinions, theories, statistics, drawings, etc. (one example to acknowledge the work of others is to use quotation marks "... " where any published text is copied directly).
- When submitting the LAURIE DAKE Challenge prospective evaluation, and thus entering the LAURIE DAKE Challenge competition, a LAURIE DAKE Challenge team should sign the 'Declaration of Academic Integrity'.
- EAGE takes plagiarism very seriously. Therefore, if the LAURIE DAKE Challenge essay after careful review, examination and consideration, is rejected on the basis of plagiarism, ALL team members, and not only the authors, will be denied the opportunity for further participation in the LAURIE DAKE Challenge.

### **6. EAGE statement on AI-generated content for Student Challenges**

Please read the EAGE statement on AI-generated content Rules on use of AI in the Laurie Dake Challenge ([here](#)).

### **7. Assignment**

- Without the confirmation of EAGE and assignment provider, the work of the students, as well as the assignment itself, must remain within the walls of the represented university (host).

- No part of the assignment may be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without prior written permission of the dataset provider. Violation of this rule will result in a university declared ineligible for the LAURIE DAKE Challenge for two years.
- The LAURIE DAKE Development plan, or parts of it, cannot be presented to any person/company, apart from the Faculty Advisor only as a rehearsal, and the LAURIE DAKE Challenge jury at the EAGE Conference & Exhibition.
- If a university withdraws from the competition, assignment and software should be removed from the computer systems. The Faculty Advisor should confirm this per e-mail to EAGE.
- After completion of the LAURIE DAKE Challenge, the dataset must be removed from the computer systems. The Faculty Advisor should confirm this per e-mail to EAGE.

## **8. Consultancy**

- All students must present only their own work or the work of the team members in their presentations. Universities that include work of others (fellow students, professors or other industry professionals) shall be disqualified from the LAURIE DAKE Challenge.
- Teams may invite a maximum of two industry professionals as consultants to provide mentorship on analysis and presentation, and only after approval of the LAURIE DAKE Challenge committee.
- Only the team of three to five students should do the actual work. If fellow students, consultants or the faculty advisor would perform the work of the student, the team will be disqualified.
- Consultants should not advise more than one hour a week.
- The Student Affairs Committee retains the authority to not reveal the rankings of each team.
- The finals of the Laurie Dake Challenge will take place in person as part of the EAGE Annual 2025. If any of the 6 finalist teams does not receive a visa to enter France, (if required) that team will forfeit their place. Under no circumstances will any presentation be held virtually, as everything will take place in person.

## **9. Prizes**

- Ten finalist teams will be chosen from the first round and will receive the assignment to work on a Laurie Dake Development Plan.
- Based on the jury's review six of the ten finalists will be invited to EAGE's annual meeting and receive the registration fee waiver for the final presentation.
- The six finalist teams will receive a certificate of attendance after the final presentations.
- The winning team of the LAURIE DAKE Challenge will receive €1000 as a prize. Second Place will receive €600 and Third place will receive €400.