

EGSIEM STUDENT CHALLENGE 2016

| STATUS REPORT

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Institut für Erdmessung (IfE)

Leibniz Universität Hannover (LUH)

EGSIEM General Assembly

Bern, 2017-01-20

EGSIEM STUDENT CHALLENGE

2016 | SCHEDULE



Important Events	October				November						December				January	
	1	8	15	22	1	8	11	12	15	22	1	15	22	31	1	15
1 st Round Online																
1 st Round Registration																
1 st Round Offline																
1 st Round Winners Announcement																
2 nd Round Online																
1 st Round Prizes																
2 nd Round Offline																
2 nd Round Winners Announcement																



European-wide student competition

THE **EOSIEM** CHALLENGE

Registration opens on
October 1, 2016

www.challenge.eosiem.eu

1st Round



Droughts

Floods

Geodesy

Hydrology

Geoid

Gravity

Emergency Management



TARGET GROUP

- **STUDENTS:**
 - Undergraduate students [B.Sc. & M.Sc.]
 - Focusing on Geodesy, Hydrology and Geophysics students, but others are welcome!
 - [19 – 29] years old
 - EU & CH residents [foreign students]



COMMUNICATIONS | ADVERTISEMENT



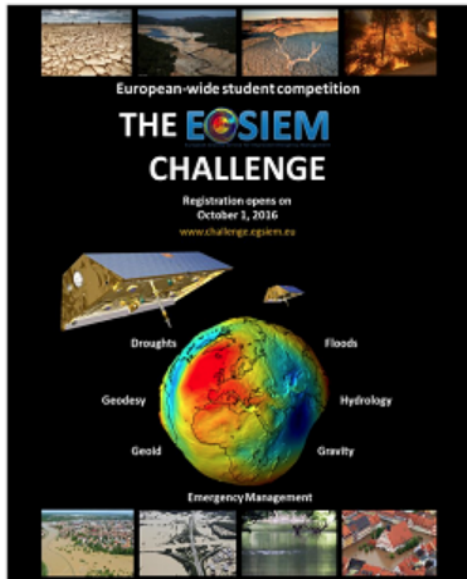
www.challenge.egsiem.eu | www.egsiem.eu



News Project ▾ Data ▾ Documents ▾ Contact Search

EGSIEM Student Challenge | 1st Round

Akbar Shabanloui 📅 01 October 2016



400 contact persons



The EGSIM student challenge is an initiative in the framework of

EGSIEM STUDENT CHALLENGE

| 1ND ROUND



- **1ST ROUND:**
 - **Registration**
 - **20** questions | available after registration on www.challenge.egsiem.eu
 - Multiple-choice | to be solved in **6** hours
 - Started at **1.10.2016 – 11.11.2016**
 - Online & offline materials:
 - EGSIEM website and its partners
 - GRACE analysis centers e.g. GFZ, CSR and JPL
 - Other relevant sources
 - ...

EGSIEM STUDENT CHALLENGE

| 1ND ROUND



- 1ST ROUND | REGISTRATION

EGSIEM STUDENT CHALLENGE 2016 | 1st Round

EGSIEM STUDENT CHALLENGE 2016 | 1st Round

European-wide student competition

THE EGSIEM CHALLENGE

Registration opens on
October 1, 2016
www.challenge.egsiem.eu

1nd Round

Droughts Floods
Geodesy Hydrology
Geoid Gravity
Emergency Management

Welcome to the 1st round EGSIEM Student Challenge.

There are 20 questions to be answered.
Initially you will be asked to register yourself.

Let's get started!

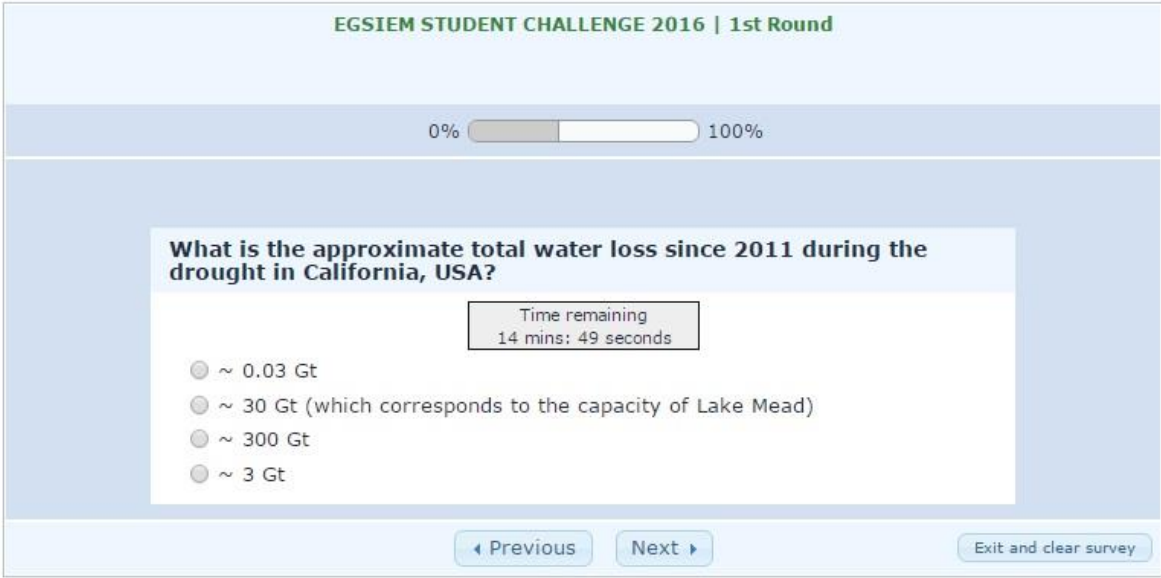
Next ▶

Exit and clear survey

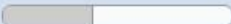
EGSIEM STUDENT CHALLENGE

| 1ND ROUND

- **1ST ROUND | QUESTIONS**
 - 20 multiple-choice questions | Online at www.challenge.egsiem.eu



EGSIEM STUDENT CHALLENGE 2016 | 1st Round

0%  100%

What is the approximate total water loss since 2011 during the drought in California, USA?

Time remaining
14 mins: 49 seconds

- ~ 0.03 Gt
- ~ 30 Gt (which corresponds to the capacity of Lake Mead)
- ~ 300 Gt
- ~ 3 Gt

◀ Previous Next ▶ Exit and clear survey

Question index

- 1 About You
- 2 Challenge 06
- 3 Challenge 11
- 4 Challenge 13
- 5 Challenge 12
- 6 Challenge 03
- 7 Challenge 08
- 8 Challenge 10
- 9 Challenge 20
- 10 Challenge 18**

EGSIEM STUDENT CHALLENGE

| 1ND ROUND

- **1ST ROUND | QUESTIONS | SUBMISSION**
 - 20 multiple-choice questions | Online at www.challenge.egsiem.eu

EGSIEM STUDENT CHALLENGE 2016 | 1st Round

0% 100%

Congratulations!

Please check the Question Index (on the right of your screen), and see if you have missed to answer any question. Click 'Previous' button to go back to check and reanswer the questions. Alternatively, you can click on the unanswered questions on the Question Index (marked red).

If you are satisfied with the answers mark the 'I am happy with the Answers' and click 'Submit' button.

* Once you click the Submit Button, you **CANNOT** come back to the challenge anymore.

I am happy with the Answers

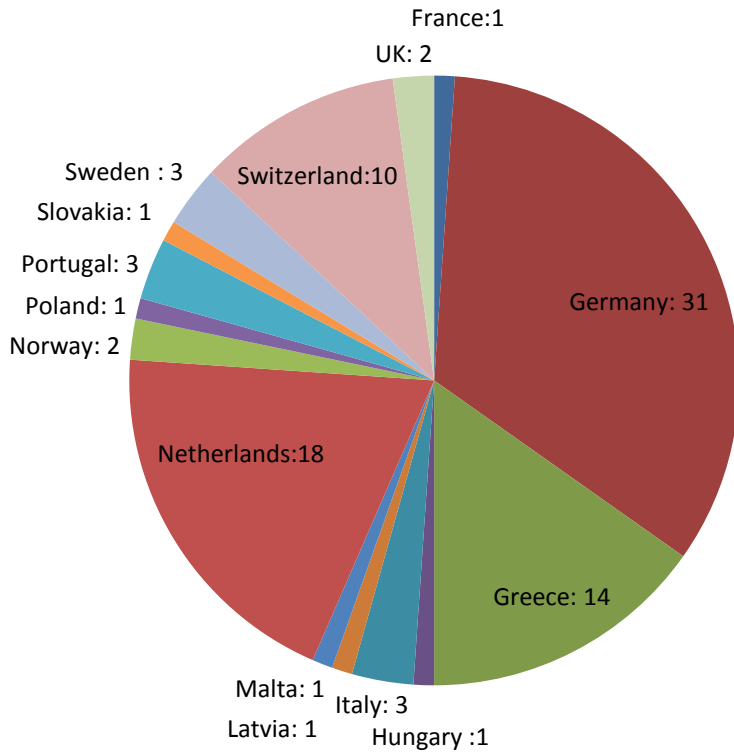
Question index	
1	About You
2	Challenge 06
3	Challenge 11
4	Challenge 13
5	Challenge 12
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7	Challenge 08
8	Challenge 10
9	Challenge 20
10	Challenge 18
11	Challenge 09
12	Challenge 07
13	Challenge 15
14	Challenge 05
15	Challenge 01
16	Challenge 19
17	Challenge 14
18	Challenge 16
19	Challenge 02
20	Challenge 17
21	Challenge 04
22	Submission

EGSIEM STUDENT CHALLENGE

| 1ND ROUND

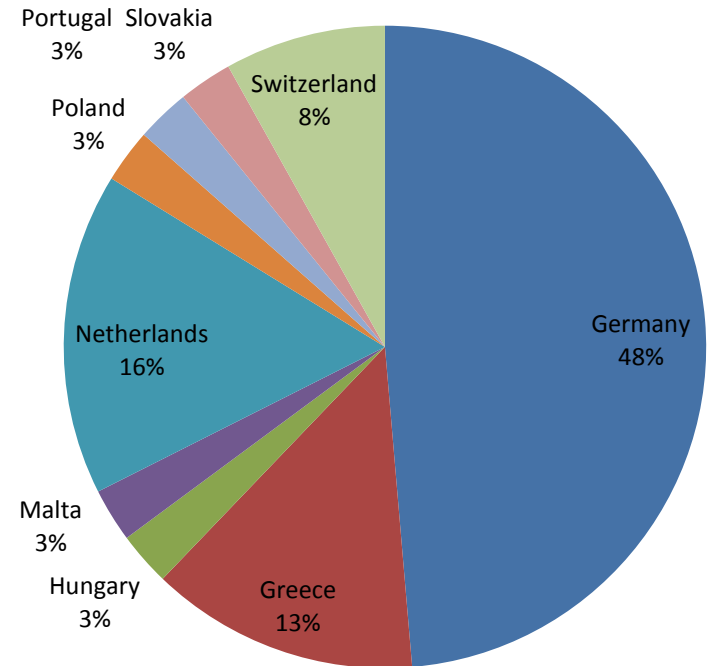
- 1ST ROUND | STATISTICS

of registered participants : 92



- 1ST ROUND | SUCCESSFULLY PASSED

37 of participant passed the first round | 12+ correctly



EGSIEM STUDENT CHALLENGE

| 2ND ROUND



- **2ND ROUND:**
 - **20** written questions | available at www.challenge.egsiem.eu | Password
 - to be solved in **30** days
 - Started at **15.11.2016 – 15.12.2016**
 - The online and offline materials:
 - EGSIEM website and its partners
 - GRACE analysis centers e.g. GFZ, CSR and JPL
 - Other relevant sources
 - ...

EGSIEM STUDENT CHALLENGE

| 2ND ROUND



EGSIEM STUDENT CHALLENGE 2016 | 2nd Round

To download the challenge questions please click the following links:

[Download the Challenge Questions as word document \(.docx\)](#)

[Download the Challenge Questions as PDF document \(.pdf\)](#)

You have to send the answers either via email or by post latest by 15.12.2016.

- Corresponding email address is:

Dr.-Ing. Akbar Shabanloui

shabanloui@mbox.ife.uni-hannover.de

(N.B. If you are sending via email, the file should have the name as:

"Last name_First name.docx" or "Last name_First name.pdf")

- Corresponding postal address is:

Dr.-Ing. Akbar Shabanloui

Institute of Geodesy

Leibniz Universität Hannover

Schneiderberg 50

30167 Hannover

Germany

Resume

Resume later

Resume later

Resume later

◀ Previous

Next ▶

Exit and

EGSIEM STUDENT CHALLENGE | 2ND ROUND

- 2ND ROUND | QUESTIONS (DOC | PDF)

EGSIEM STUDENT CHALLENGE | 2nd Round

EGSIEM STUDENT CHALLENGE | 2nd Round

20. Could you propose some ideas about the measurement concepts for the next generation gravimetric missions? How we can benefit from current/future techniques to improve gravimetric approach for emergency management?

Wi
starts
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EGSIEM STUDENT CHALLENGE

| WINNERS



B.Sc. Philippa Higgins

Institute of Hydrology and Meteorology, TU Dresden
Dresden - Germany



B.Sc. Julian Rodriguez Villamizar

ESPACE, Technical University of Munich (TUM)
Munich - Germany



B.Sc. Peizo Cheng Rachel

UNESCO-IHE, Institute for Water Education
Delft - Netherlands



B.Sc. Alexandros Kazantzidis

Thessaloniki University, Department of Surveying
Thessaloniki - Greece



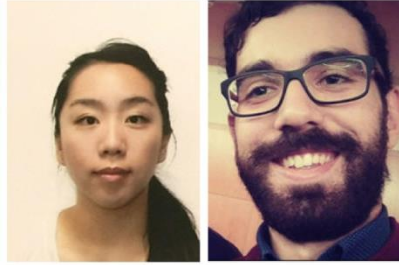
EGSIEM STUDENT CHALLENGE

| AWARDS



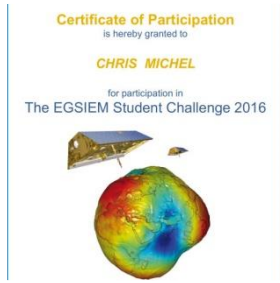
TWO INTERNSHIPS

- 6 – 8 Weeks
- @ one of EGSIEM Member Institutes
- Travel Expenses
- Insurances (Including Health Accident & Personal Liability Insurances)



TWO SCHOLARSHIPS

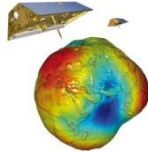
- 1 Week
- Participation @ Summer School (?)
- Travel and Health Expenses, Personal Liability insurances



**SUCCESSFULLY PASSED
1ST ROUND**

- Certificate
- Giveaways
 - Travel mug
 - Lanyard | LUH Log
 - Pen | LUH Log
 - EGSIM Brochure

Certificate of Participation
is hereby granted to
CHRIS MICHEL
for participation in
The EGSIM Student Challenge 2016



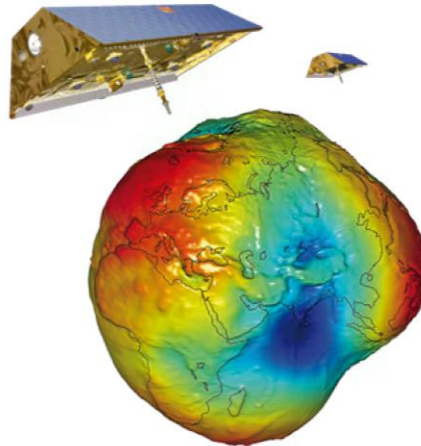
**SUCCESSFULLY PASSED
1ST ROUND**

EGSIEM European Gravity Service for Improved
Emergency Management

Certificate of Excellence
is hereby granted to

PHILIPPA HIGGINS

for winning the 1st place of
The EGSIM Student Challenge 2016



May the gravity be with you!

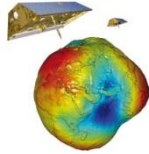
Prof. Dr. Adrian Jäggi
EGSIEM coordinator
Astronomical Institute
Universität Bern
Switzerland

Hannover
2017-01-20

www.challenge.egsiem.eu

Dr. Akbar Shabanloui
EGSIEM competition organiser
Institute of Geodesy
Leibniz Universität Hannover
Germany

Certificate of Participation
is hereby granted to
CHRIS MICHEL
for participation in
The EGSIEM Student Challenge 2016



SUCCESSFULLY PASSED
2ND ROUND

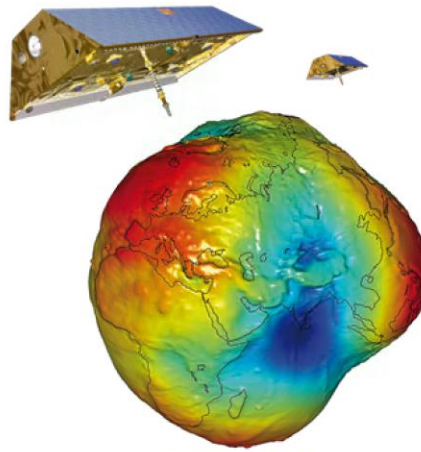
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EGSIEM European Gravity Service for Improved
Emergency Management

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May the gravity be with you!

Prof. Dr. Adrian Jäggi
EGSIEM coordinator
Astronomical Institute
Universität Bern
Switzerland

Hannover
2017-01-20

www.challenge.egsiem.eu

Dr. Akbar Shabanloui
EGSIEM competition organiser
Institute of Geodesy
Leibniz Universität Hannover
Germany

-Michel

OPEN QUESTIONS?

- **PRIZES**

- Research **Internships** | **Which** Institutes are ready to host the winners?
- How about the **summer school** | Date and Place?

- **WEBSITE**

- **Publishing** the winners on the EGSIEM Portal| Confirmed by the winners
- **Deactivation** of the EGSIEM Student Challenge Portal!
- # of **visitors** during EGSIEM Student Challenge

FEEDBACKS

- **FEEDBACKS**

- **Students** were very strong motivated to participate in the challenge!
- **Running** the similar challenge | **Platform** incl. all materials are available!
- **Public Relation (PR)** | Outreach activities (e.g. STAG@LUH , Friday Lecture@Bern or EGSIEM meet students) | Geodesy

- **ISSUES**

- **Inputs:** interesting news, updates, toolbox ...
- **EGSIEM introduces itself** | missing people ?
- **Last page** of the newsletter!