



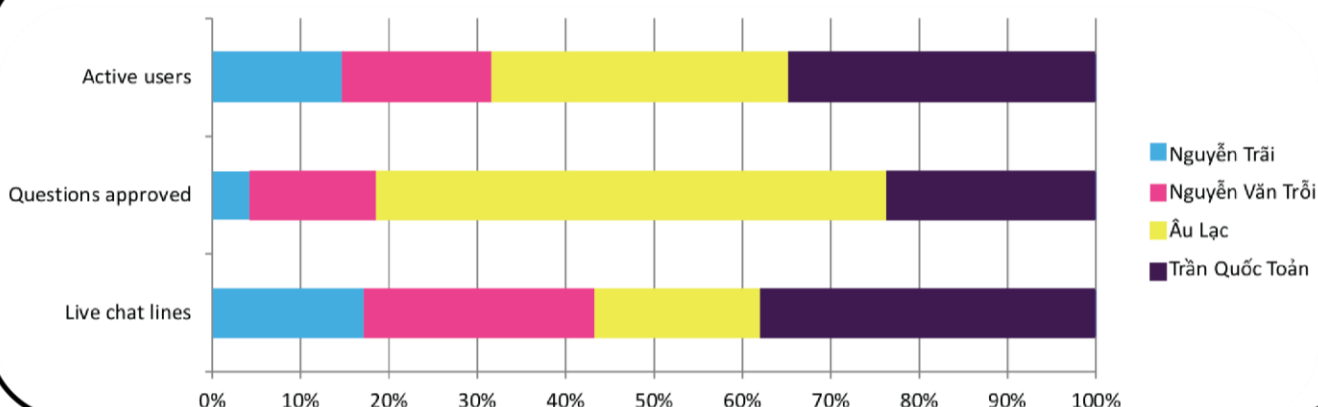
ENVIRONMENT SCIENCE Zone

APRIL 2018

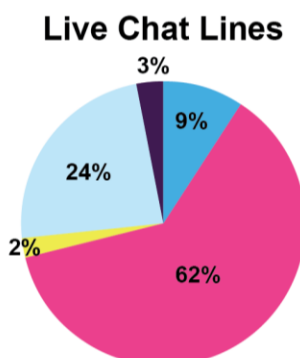
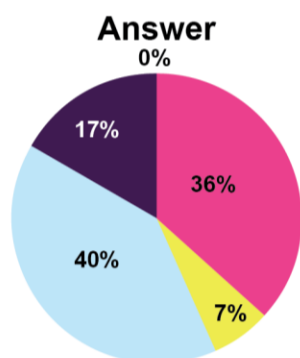
This summary zone report contains key data on the activity in the Environment Science Zone, *Khoa học Môi trường*, which ran from 2nd to 13th April. This zone took place with the participation of:

- **4 schools** in Hanoi and Ho Chi Minh City
- **5 scientists** working in Vietnam and UK
- **122 students** aged from 13 – 14 logged into the zone, 96.72% actively took part in the event in either the ASK, CHAT, or VOTE sections.

Student activity



Scientist activity



Scientist	Profile views
Lê Việt Phú	106
Nguyễn Thanh Hoà	105
Nguyễn Thị Minh Phương	81
Nguyễn Khánh Hoàng WINNER	103
Cao Hồng Hà	59

Interaction outcome

Student

80 students from 4 secondary schools in Hanoi and Ho Chi Minh City took part in post-event surveys after joining Chat voi Nha khoa hoc.

Students' changes of interest in science

BEFORE

61%
of students
interested in science

Chat với
NHÀ KHOA HỌC

AFTER

97.5%
of students
interested in science

Students' feedback on 3 main activities

Ask?

83%

agreed scientists gave clear and satisfying answers to what they asked. agreed scientists were friendly and science works were more interesting than they thought before chatting.

Chat

91.3%

agreed to vote for the scientist that was humorous and friendly, giving clear answers to their questions.

Vote

83.8%

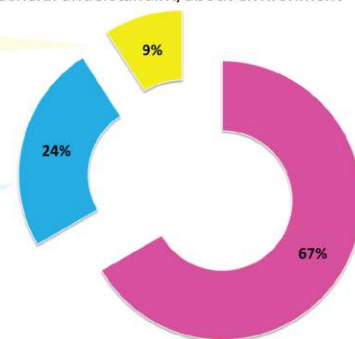
Science knowledge students gained after the event

- Environment issues and protection
- Science in general and Scientist's life
- General understanding about environment

"Rituals asking for rainfall do not work. Precipitation is the main cause for rain."

"There are different kinds of rain including hailstone or acid rain."

"Scientists are very intelligent, lovely and friendly."
"I found joy and many new things in science. Science helps people have a better life."



"The ozone layer is very important but easily damaged by different kinds of gases like freon."

"Plants can evolve to adapt to different living environments."

"Some kinds of garbage and plastics can take hundreds or thousands of years to decompose."

Scientist

"The exchange with the students helps me understand more about their way of thinking and concern for environmental science. I also increased the ability to explain science in a simpler way. This is a very necessary activity and should be strengthened. At present, the students are very vague with their career choices. The connection between scientists and students helps them to have a closer look at the work of a scientist."

– **Nguyen Khanh Hoang**, PhD Student, University of Birmingham, UK

"I'm very happy and I can feel the students' eagerness. The event is well organised and professional. Students are in high spirit of learning, and there is a special need for responsive answers. We need to explain clearly and simply because they are at secondary school level."

– **Cao Hong Ha**, Hanoi University of Science & Technology, Vietnam

"Chat voi Nha khoa hoc is a good and useful program for school students. It provides opportunities for young people to interact, exchange and learn more knowledge from scientists. It also stimulates a passion for science from students. This program should be continued."

– **Dr. Nguyen Thi Minh Phuong**, Duy Tan University, Danang, Vietnam

Feedback on the online engagement method

The effectiveness of the online engagement method used for school students to access to science was rated **8.7 over 10** by teachers. Furthermore, **90%** of students participating in this zone find it easy to use the website. Meanwhile, scientists commented:

"I think I would be better if there are students' pictures besides names. It's hard to answer students' question directly in 30 minutes for each chat session. The ASK section should be extended for 5 more days. We should explain more with students so that they will not beat around the bush in chat sessions. The conversations should not be limited within 2 weeks of the event. We can create a forum for further discussion after the event."

– **Cao Hong Ha**, Hanoi University of Science & Technology, Vietnam

"This is a meaningful activity to promote students' interest of in science. However, questioning and answering about science within 30 minutes with so many students at the same time makes the scientists slightly overwhelmed."

– **Nguyen Khanh Hoang**, PhD Student, University of Birmingham, UK

"There are so many questions coming at once and questions are repeated, which makes me confused sometimes. Short chat time is also a weakness that needs to be adjusted."

– **Dr. Nguyen Thi Minh Phuong**, Duy Tan University, Danang, Vietnam

Key figures from Environment Science zone and Antibiotic Resistance zone, which ran at the same time

	ENVIRONMENT SCIENCE Zone	ANTIBIOTIC RESISTANCE Zone
Total page views	4,263	4,648
ASK page views	546	240
CHAT page views	723	770
VOTE page views	420	349
Live chat sessions	7	7
Live chat lines	1,585	1,036

Top issues students asked in Environment Science zone

Size represents frequency of issues.
The bigger the size is, the more interested the students are.
(English translation in brackets.)

