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## REPORT ON SUMARE ON NHA TRANG 29.7.2023

**Discussion topic:** Discussion on Plastic Waste

**Presented by:** - PhD student Nguyễn Trường Thành, Can Tho University and  
PhD student Phan Minh Thu- Oceanography Institute.

**Time:** 29 July 2023, from 9:00 to 12:00

**Format:** online and offline

**Venue:** Nha Trang Institute of Oceanography's Hall

### I- PARTICIPANTS

No.	FULL NAME	ORGANIZATION
<b>A</b>	<b>Physical attendance</b>	
1	Huỳnh Vương Thu Minh	Mare member, CTU
2	Phan Văn Thụ	Mare member, VNIO
3	Trần Công Thịnh	Mare member, VNIO
4	Nguyễn Trường Thành	Ph.D student, Mare member, CTU
5	Phan Văn Nhiều	Mare member, IT, CTU
6	Bùi Thị Bích Liên	Mare member, CTU
7	Nguyễn Xuân Lan	- Officer of Environmental Monitoring Center of An Giang Province - Ph.D student, CTU
8	Đặng Thị Hồng Ngọc	Faculty of Natural Resources and Environment - Kien Giang University
9	Khổng Huỳnh Duy	An My Seafood Import-Export Company, An Giang
10	Lâm Quốc Huy	Bạc Liêu University
<b>B</b>	<b>Online attendance</b>	
11	Lê Anh Tuấn	Mare member, CTU
12	Lê Thị Kim Thoa	Ho Chi Minh City University of Natural Resources and Environment, Ho Chi Minh City
13	Nguyễn Thị Huyền Trang	MCD Center for Marine Conservation and Community Development, Mare member



14	Tôn Thất Lăng	Ho Chi Minh City University of Natural Resources and Environment, Ho Chi Minh City
15	Trần Thị Lợi	MCD Center for Marine Conservation and Community Development, Mare member
16	Nguyễn Thị Huyền	MCD Center for Marine Conservation and Community Development, Mare member
17	Chế Thị Bích Trâm	Soc Trang Department of Natural Resources and Environment Master student in Climate change and Delta management, Can Tho University
18	Dương Thị Yến Phi	Center for Research on Technology & Environmental Services
19	Hồ Thị Yến Thu	MCD Center for Marine Conservation and Community Development, Mare member
20	Nguyễn Thị Thanh Xuân	Master student, Ho Chi Minh City University of Natural Resources and Environment, Ho Chi Minh City
21	Nguyễn Hoàng Giáp	MCD Center for Marine Conservation and Community Development, Mare member
22	Bùi Khánh Vân Anh	Ho Chi Minh City University of Natural Resources and Environment, Ho Chi Minh City
23	Đỗ Anh Minh	MCD Center for Marine Conservation and Community Development, Mare member
24	Trần Trung Anh	Ho Chi Minh City University of Natural Resources and Environment, Ho Chi Minh City
25	Đinh Ngọc Huy	Ho Chi Minh City University of Natural Resources and Environment,

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		Ho Chi Minh City, Mare member
26	Giáp Minh Nhật	Master student in Climate change and Delta management, Can Tho University
27	Lê Hào Anh	Ho Chi Minh City University of Natural Resources and Environment, Ho Chi Minh City, Mare member
28	Nguyễn Thị Thu Hiền	Student, Can Tho University
29	Hoàng Thái	Student, Can Tho University
30	Tâm Minh	Student, Can Tho University
31	Hoàng Triều Cường	Student, Can Tho University
32	Nguyễn Tuyền	Master student in Climate change and Delta management, Can Tho University
33	Ngô Mỹ Linh	Master student in Climate change and Delta management, Can Tho University
34	Nguyễn Vanica	Student, Can Tho University

## II- MEETING CONTENT

Dr. Huynh Vuong Thu Minh represented the Organizing Committee to welcome delegates and guests to the seminar, interact with participants and guests, and coordinate the meeting through the seminar program.

The Symposium seminar "Discussion on the Issue of Plastic Waste" was presented by the Mare member and Ph.D student, and it covers two topics:

- Topic#1: Typical marine ecosystems in coastal areas of Vietnam and the effects of plastic waste on ecosystems, a study given by MSc. Phan Minh Thu of the Nha Trang Institute of Oceanography

- Topic#02: Identification of microplastics in surface water and sediments of various watersheds in Can Tho City by a researcher was presented by Nguyen Trung Thanh of Can Tho University

Following the presentations of the Rapporteurs, the delegates and invited guests interacted, contributed suggestions, and asked the presenters questions.

The discussion was moderated by Dr. Huynh Vuong Thu Minh.

### 1/ Participants at Nha Trang Institute of Oceanography's Hall

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## 2/ Photos from the presentation # 01

**Hiện trạng sản xuất nhựa trên thế giới**

- ✓ 8.300 triệu tấn đã được sản xuất cho tới nay
- ✓ 2015: xấp xỉ 6300 triệu tấn rác thải nhựa đã được thải ra,
  - + 9% tái sử dụng
  - + 12% đốt
  - + 79% trong bãi rác và trôi nổi trong môi trường.
- ✓ Dự báo 2050, khoảng 12,000 triệu tấn rác nhựa sẽ được chôn lấp hoặc đưa vào môi trường tự nhiên

The slide also features a line graph showing plastic production from 1950 to 2020, a world map highlighting plastic production by region, and a circular chart showing the percentage of plastic waste management in 2015.

**Nội dung trình bày**

- Giới thiệu
- Các hệ sinh thái biển điển hình ở vùng ven bờ Việt Nam
- Ảnh hưởng của rác thải nhựa đến các hệ sinh thái
- Thảo luận

The slide also includes the text 'Viện Hải dương học, VAST' at the bottom.



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### 3/ Photos from the presentation # 02

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## Ngành nhựa Việt Nam

**1960-1980**  
Hình thành dây chuyền sản xuất nhựa PVC đầu tiên tại nhà máy hóa chất Việt Trì

**1980 – 1990**  
ngành nhựa Việt Nam vẫn chưa phát triển

**1990 – 1999**  
phát triển nhanh chóng, tập trung sản xuất PVC

**2000 – 2007**  
Các sản phẩm của ngành nhựa cũng đa dạng hơn về mẫu mã cũng như chất lượng

**2007 – nay**  
Phát triển mạnh các mảng sản phẩm: nhựa bao bì, nhựa dân dụng, nhựa xây dựng và nhựa kỹ thuật

www.ctu.edu.vn

Nguyen Truong Thanh 001681 (Đang trình bày)

Nguyen Truong T...

Tuan Le Anh

Huynh Vuong Th...

Phan Văn Nhiều

Phan Minh Thu

Triều Cường Hoà...

Hàng Đình Thị Th...

Le Thoa

Tâm (Phòng KHC...

huynh quach

21 người khác

Lan Nguyen

10:31 | vws-rbiy-pgb

Nguyen Truong Thanh 001681 (Đang trình bày)

Nguyen Truong T...

Tuan Le Anh

Huynh Vuong Th...

Phan Văn Nhiều

Phan Minh Thu

Triều Cường Hoà...

Hàng Đình Thị Th...

Le Thoa

Tâm (Phòng KHC...

Nương Nguyễn Thị

22 người khác

Lan Nguyen

## Tình trạng sử dụng nhựa

**Tiêu dùng nhựa:**  
TG: bình quân đầu người 45kg/người/năm  
VN: bình quân đầu người 35-65kg/người/năm

**Nguồn thải:**  
(i) các hoạt động sinh hoạt, tiêu dùng  
(ii) các hoạt động kinh tế - xã hội  
(iii) nông nghiệp; xây dựng; du lịch và tái chế nhựa

**Môi trường tiếp nhận:**  
Môi trường đất  
Môi trường nước  
Môi trường không khí

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Nương Nguyễn Thị

22 người khác

Lan Nguyen

10:34 | vws-rbiy-pgb

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Hàng Đình Thị Th...

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Tâm (Phòng KHC...

Nương Nguyễn Thị

22 người khác

Lan Nguyen



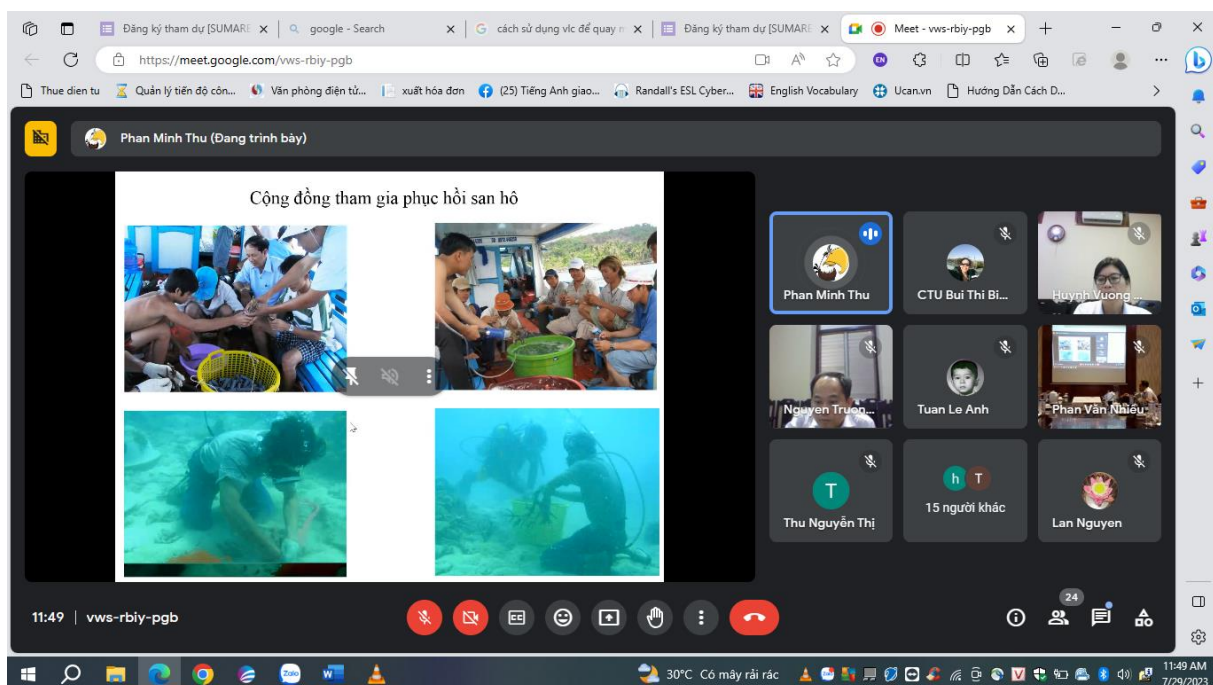
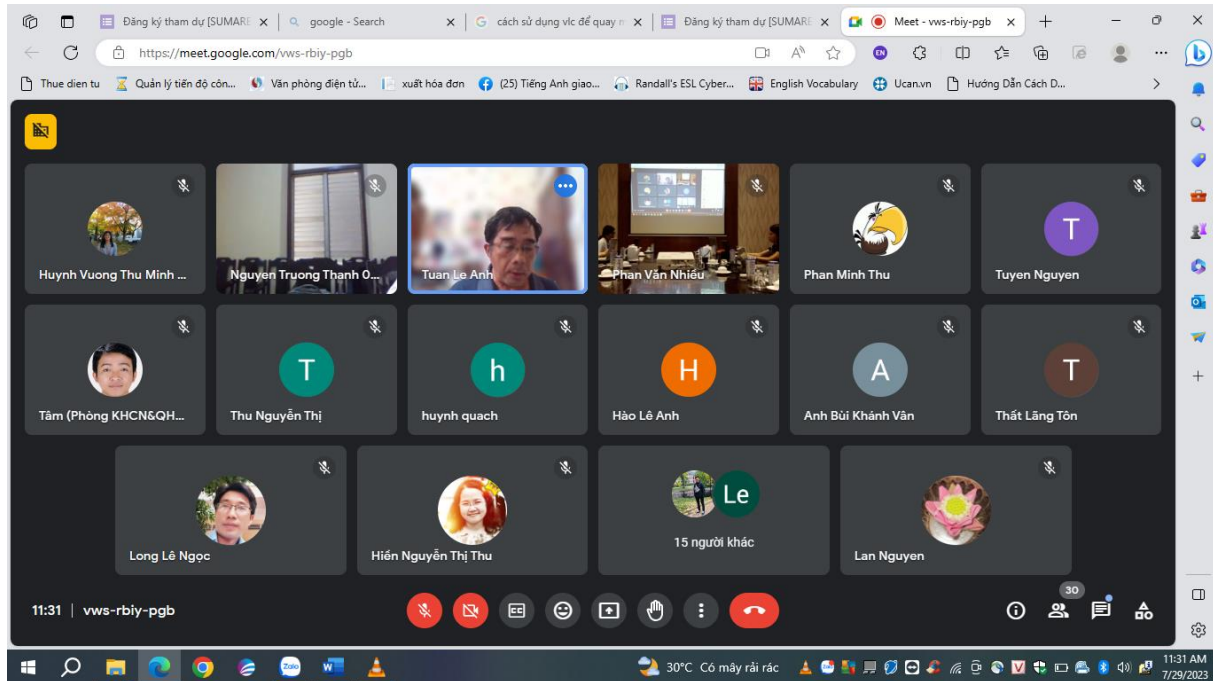


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### 4/ Photos from the discussion section



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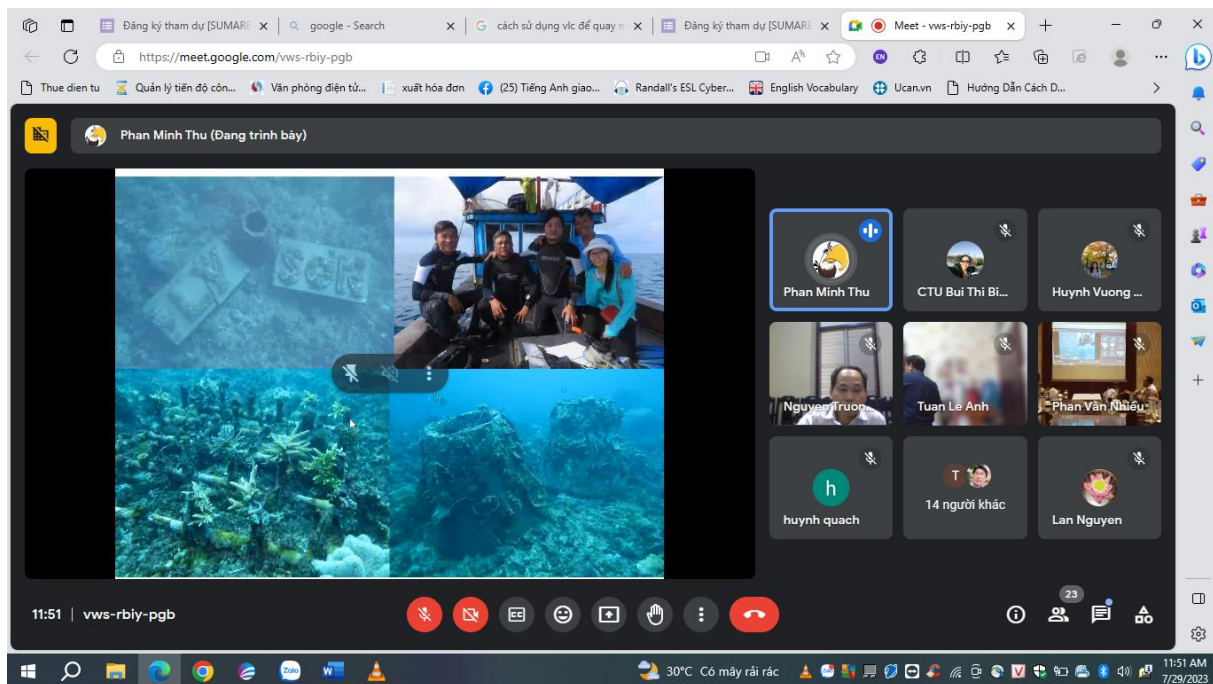
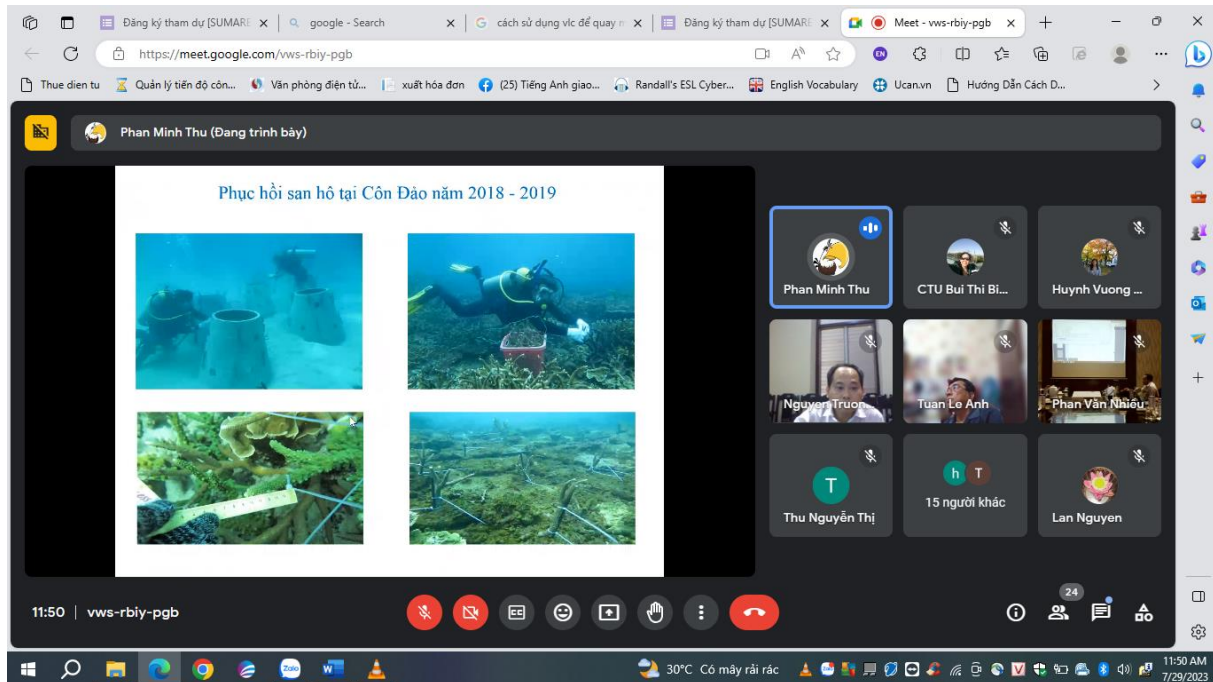
The screenshot shows a Google Meet interface with a presentation slide titled "Phục hồi san hô với sự tham gia của cộng đồng và doanh nghiệp" (Coral reef restoration with community and business participation). The slide features logos for the European Union, Erasmus+ Programme, and MARE. It lists three bullet points: "Khu du lịch sinh thái Lăng Chải Ninh Vân", "Khu du lịch Six Sense", and "Công Ty A&B Phú Quốc; Vinpearl, Vega city...". A small image of a coral reef is shown. Below the text, a quote from dantri.com.vn states: "Hỗ trợ 100.000 USD nghiên cứu phục hồi, tái tạo san hô tại vịnh Nha Trang (Đán trị) - 100.000 USD sẽ được đầu tư cho việc nghiên cứu tái tạo san hô khu vực Bãi Tiên - một trong những nơi sở hữu những dải san hô đẹp nhất vịnh Nha Trang (Khánh Hoà)." The Meet interface shows a grid of participants including Phan Minh Thu, CTU Bui Thi Bi..., Huynh Vuong..., Nguyen Truong..., Tuan Le Anh, Phan Van Nhat..., Thu Nguyen Thi, 15 người khác, and Lan Nguyen. The bottom of the screen shows a Windows taskbar with various icons and a system clock indicating 11:47 AM on 7/29/2023.

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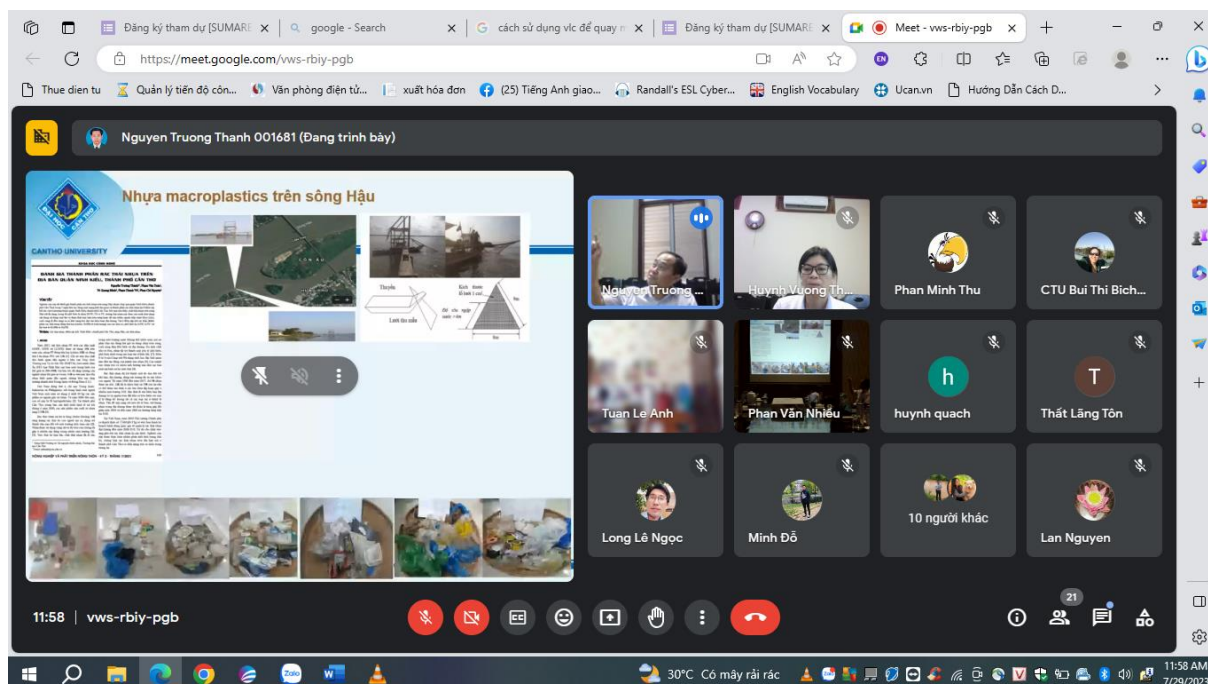
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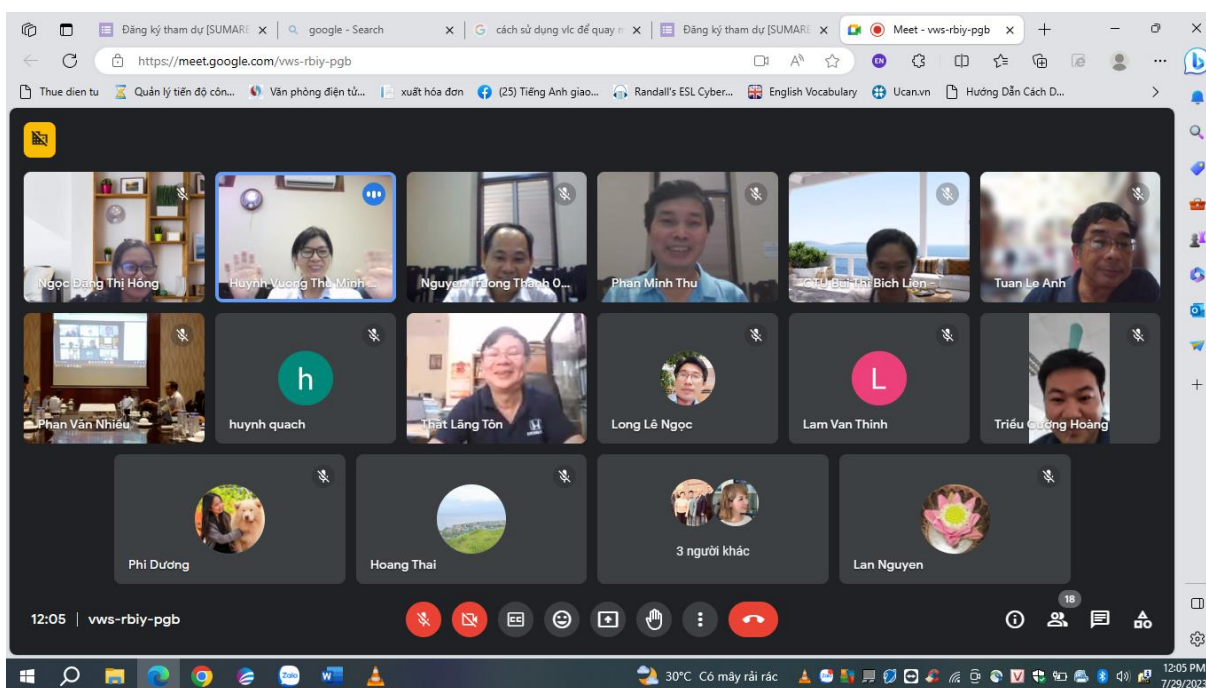


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### 5/ Photographs from the Conference's conclusion



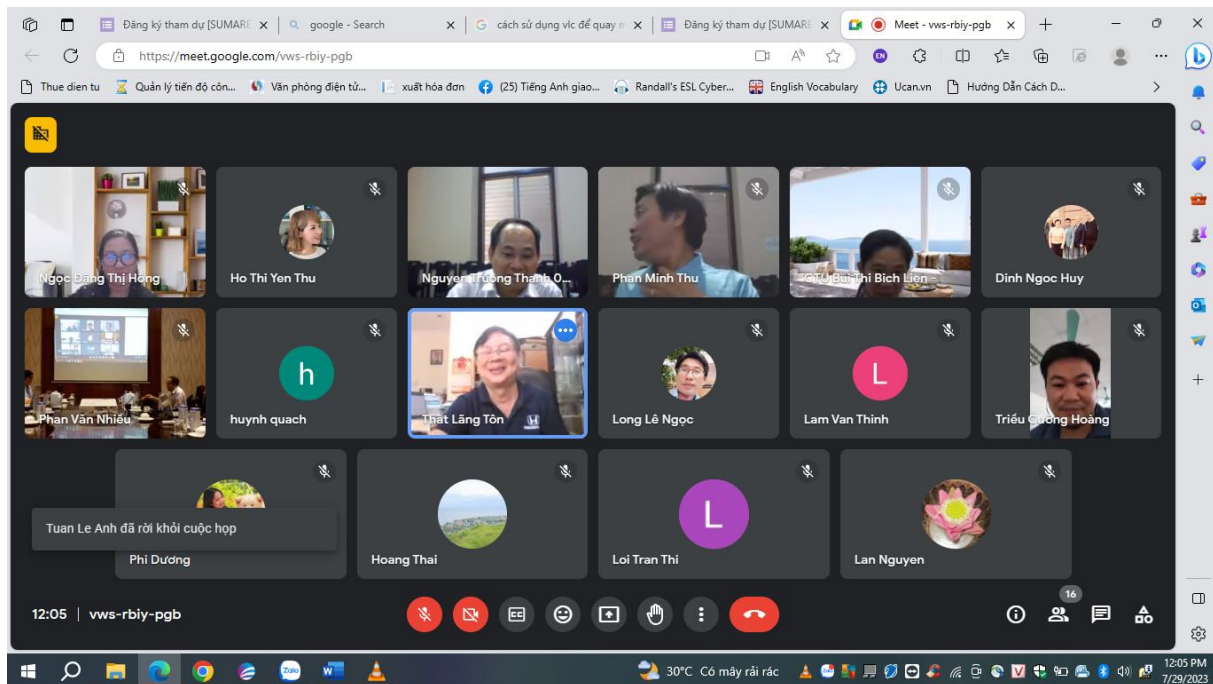
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