

1st International Conference on Engineering, Social-Sciences, And Humanities (IC-ESSU)

26th & 27th May 2021





Organized by

Eastern Samar State University (ESSU)

in Association with

Institute for Engineering Research and

Publication (IFERP)

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#### 1. Event Summary

**Conference Name:** 1st International Conference on Engineering, Social- Sciences An Humanities (IC-ESSU)

**Date:** 26th & 27th May 2021

Conference Theme: Foster and propagate rational expertise in the field of Engineering,

Social- Sciences, And Humanities

Auspice Organisations: Eastern Samar State University - Borongan Campus, Philippines.

**Mode/Place:** Virtual Conference

**No of Delegates** : 60 Delegates for the conference

#### 1.1 OVERVIEW

1st International Conference on Engineering, Social- Sciences, And Humanities (IC-ESSU) held on the 26th and 27th of May, 2021. Which is Organized by Eastern Samar State University (ESSU) Philippines in Association with the Institute for Engineering Research and Publication (IFERP).

Participating to this conference represents a way of inter-personal and inter-institutional communication based on research themes specific to the modern trends of the Science, Engineering, Social Science and education domain, but also to the connection domains, having implications focused on the improvement of the qualitative level of the academic environment reflected in the direction of scientific research, science, Engineering, physical education, health and social environment.

The conference represents an occasion of international interest that is addressed to the Science, Engineering, Social Science and education, but also to the professionals from connection domains who, by their contributions may provide a multidisciplinary communication framework.

Call For Paper

Engineering

Social Sciences

Humanities

#### **1.2 Conference Theme**

1st International Conference on Engineering, Social- Sciences, And Humanities (IC-ESSU) is themed about the distinct distinguished consequences and different hurdles in the fields of engineering, social sciences and humanities. This convention seeks to draw together executives, researchers, scholars, and academics in all areas of economics, business management, social sciences and humanities, to provide a global platform for the distribution

of significant investigative results, distinguished approaches, and developmental applicability that focus on both modern methods and innovative approaches.

This convention will focus on strikingly advanced conditions in the distinguished developments of engineering, social sciences and humanities and is foreseen to attract renowned experts from these specialties as well as lesser-known domains too. Participating in this conference will support participants and attendees in contemplating their proficiency to sharpen their abilities and improve their strategies using innovative approaches by interlacing with their associates and equals. Participants will likewise be allowed to connect with experts and prominent lecturers and share popular ideas and research outcomes with them.

#### 2. ABOUT THE CONFERENCE

1st International Conference on Engineering, Social- Sciences, And Humanities (IC-ESSU) held on the 26th and 27th of May, 2021 in the Eastern Samar State University - Borongan Campus, Philippines in Association with the Institute for Engineering Research and Publication (IFERP). IC-ESSU offered researchers, delegates and scholars an incredible chance to interact with each other and share their experience and knowledge of technology application.

1st International Conference on Engineering, Social- Sciences, And Humanities (IC-ESSU) conference provided a stage for researchers and practitioners from academia and business to deal with state-of-the-art advancement in their respective fields.

IC-ESSU will offered participants to interact with industry experts on the recent challenges in scientific research and associated areas. Leading researchers will share their incredible research findings and tools that they use to achieve better results. This international conference on multidisciplinary research and education is bound to generate a number of new ideas and experiences that participants, irrespective of who they are (Experienced scientists, seasoned professionals or young scholars at the early stages of their careers) can derive and make use of in some form of another, towards the advancement of their careers. For those looking to spread awareness of their incredible research findings and other work, they will also have the chance to present their papers and articles.

#### 3.CONFERENCE SCOPE

ICESSU topics include, but are not limited to, the following research and development areas/fields .

- Automation/Control systems/Robotics
- Data Mining and Data Engineering
- Optical engineering
- Architecture Engineering
- Environmental Social Science
- Public Administration
- Social History

- Political Science
- Ancient and Modern Languages
- Human Geography
- Humanities, Social Sciences and Research

As a result, many Keynote, Tutorial and Technical Sessions have been prepared in accordance with conference scope to discuss the Challenges, Opportunities and Problems of Application in various fields.

#### **4.INAUGURAL PROGRAMME**

The day 1 of the conference started with welcoming all the participants, dignitaries and special guest for the conference followed by the proceedings book release and introduction of session chair for the technical sessions.

## **4.1 Welcoming and Opening Ceremony**

Welcoming Keynote Speakers of the 1st International Conference on Engineering, Social-Sciences An Humanities (IC-ESSU)

## **Keynote Speakers**



Prof. Dr. Franco Gandolfi Chief Executive Officer, TAG West Africa Professor, Georgetown University, Washington DC, USA.



Dr. Lampong Klomkul
Acting Director for Research,
Information and Academic
Services Division, ASEAN
Studies Centre
MCU, Thailand.



Dr. Ramil T. UY
Senior Science Research
Specialist and Center manager of
S&T Human Resource
Development,
Promotion and Information
Center.
DOST REGION VIII, Palo,
Leyte, Philippines

Followed by the welcoming our chief guest of the 1st International Conference on Engineering, Social- Sciences An Humanities (IC-ESSU)

## **Guest of honour**



Dr. Andres C. Pagatpatan, Jr President, Eastern Samar State University Philippines.



Dr. Marina S. Apilado
Vice President for External Affairs and
Quality Assurance
Eastern Samar State University
Philippines.



Dr. Jovito B. Madeja
Director,
Income Generating Projects
Eastern Samar State University,
Philippines.



**Dr. Lorna D. Capito**Research Director
Eastern Samar State University,
Philippines

Followed by welcoming our session chair of the 1st International Conference on Engineering, Social- Sciences And Humanities (IC-ESSU). IC-ESSU Consist of the 4 sessions. Whick is spitted into 2 per day

## **Session chairs**



Prof. Riomar G. Obliopas
Director for Instruction
Eastern Samar State University,
Philippines.



**Dr. Janice Dyan Quiloña**Director for Knowledge Management Office
Eastern Samar State University, Philippines



Prof. Natalia Ciasico
Director for Planning and Development
Eastern Samar State University,
Philippines



Prof. Mark Van Macawile
Executive Assistant to the President
Eastern Samar State University,
Philippines

## 4.2 Opening Session \_Conference Proceedings.

On behalf of the organizing committee we released the proceedings book on the conference day.



IFERP International Conference
IFERP Explore
https://icessu.com/ | info@icessu.com

#### UPCOMING CONFERENCES



















#### **4.3 Keynote And Tutorial Speeches**



**Dr. Lampong Klomkul**Acting Director for Research, Information and Academic Services Division, ASEANStudies Centre
MCU, Thailand

#### Biography:

Dr.Lampong Klomkul lecturer from **Faculty** Education, of Mahachulalongkornrajavidyalaya University. She Graduated in Doctor of Philosophy Ph.D. inEducational Research Methodology, Faculty of Education, Chulalongkorn University, Thailand. She received award from National Research Council of Thailand: The best dissertation of year 2013 at Good Level (Education Field), received Graduate Scholar Award from The Nineteenth International Conference on Learning, The Institute of Education University of London, London, UK, August 14-16, 2012. She also received Golden Jubilee Scholarship to study in Canada fortwo years in bachelor's degree from 1997-1999. She is interested in conducting research in Education and ASEAN Studies. She has attended many international conferences and published articles in various international journals



**Keynote Speech about:** An innovative Prototype Model of Management to Confront with Coronavirus Disease 2019 (COVID-19): A case study of the Mahachulalongkornrajavidyalaya University (MCU).



Dr. Ramil T. UY
Senior Science Research Specialist and Center manager of S&T
Human Resource Development,
Promotion and Information Center.
DOST REGION VIII, Palo, Leyte, Philippines

Biography:

ENGR. RAMIL TALAM UY Completed his Doctor of Management Technology Eastern Visayas State University and Elected GSSA President in 2017-2018. He is also Member of Philippine Institute of Civil Engineer (PICE), Member of Association of Structural Engineers in the Philippines (ASEP), Coordinator of Eastern Visayas Consortium for Industry and Energy Research and Development (EVCIERD) and RTWG Member of Visayas Consortium for Agricultural Research Program. He also served as an Resource Person, As Plenary Speaker and As Research Evaluator. Dr. Ramily Coordinate/supervise/implement the S &T Human resource Development Promotion and Information (STHRDPI) Center's Activity.

- S& T Scholarships, Promotions (e.g. NSTW, Fairs, exhibits, Invention Contest, etc)
- Information (Technology Information, Library Services, Press Conference, Interviews, etc)
- External Training (e.g. Trainings for SMEs, etc.)
- TAPI programs/Projects



**Keynote Speech about**: A Call to Service: Science For The People



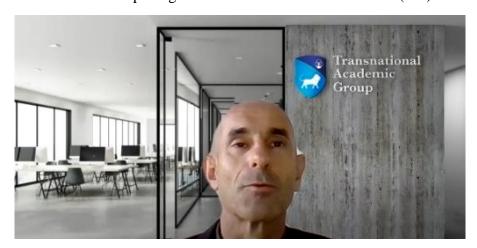
**Prof. Dr. Franco Gandolfi**Chief Executive Officer, TAG West Africa
Professor, Georgetown University, Washington DC, USA.

Biography:

Dr Gandolfi previously served as a Member of the Executive Board of the Nguyen Hoang Group (NHG), a conglomerate of business units in the education space in Vietnam. Prior to his role in Vietnam, he served as the Vice Chancellor (VC) and Chief Executive Officer (CEO) of Manipal International University (MIU) in Kuala Lumpur, Malaysia.

With over 30 years of experience in the education, finance, and pharmaceutical industries, Prof. Dr. Franco Gandolfi has held leadership positions across the world, namely Switzerland, Australia, the United States, Fiji, the United Arab Emirates, Malaysia, and Vietnam. Prior to his academic career, Prof. Dr. Franco Gandolfi held consulting roles at Novartis, Roche, Credit Suisse, and UBS Bank in Switzerland. Having served as a first lieutenant in the Swiss Army Forces, he honourably retired in 2007 having attained the highest non-active duty military rank in the Swiss Military.

Prof. Dr. Franco Gandolfi is an active researcher and avid writer. He is the principal author of seven business-related books and editor of two leadership books. Prof. Dr. Franco Gandolfi's scholarly portfolio includes more than 60 peer-reviewed research articles published in top-tier international journals. He serves on several international editorial boards and has been a judging panel member for the prestigious Australian Human Resources (HR) Awards



**Keynote Speech about**: Effect of education system due to Covid-19 Pandemic – Education Crises.

## **5.CONFERENCE ORGANIZING COMMITTEE**

## Conference chair



**DR. JOVITO B. MADEJA**Director, Income Generating Projects

## **Conference Co-chair**



**DR. VICENTE A. AGDA, JR**Vice President for External
Affairs



**DR. LORNA D. CAPITO**Research Director

## **Registration Committee**



JUDE P. PICARDAL
Faculty, College of Business Management
and Accountancy

## **Program & Invitation**



MR. RIOMAR G. OBLIOPAS
Assistant Research Director, RDSO

#### **Moderators**



**MRS. PATRICIA J. BULAN** Faculty, College of Arts and Sciences

## **Invitation to SUC's and Agencies**



**DR. ANBONY D. CUANICO**Dean, College of Arts and Sciences

## **Invitation to SUC's and Agencies**



**MR. DELBERT A. DALA**Head, University Ethics Committee

## Videos and other related works



**DR. JANICE DYAN G. QUILONA**Dean, College of Computer Studies
ESSU Can-Avid Campus

#### **Documentation**

	DR. JANICE DYAN G. QUILONA	
(7)	Dean, College of Computer Studies	
	ESSU Can-Avid Campus	
Conference	Proceedings	
	DR. CHRISTOPHER DURAN	
	Faculty, College of Education	
	ESSU Salcedo Campus	
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	MR. KENNETH REY AFABLE	
(3.3)	Director, Information and Communication	
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	Extension	
Contificated/To	kens/Evaluations	
Certificates/10		
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_	Nepal
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1 1	

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	Director Research and Development
de la companya della companya della companya de la companya della	Tarlac Agricultural University, Philippines
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#### WEENA GUIANG - FRANCO

Extension Coordinator, College of Arts and Sciences Focal Person, Gender and Development Mariano Marcos State university, Philippines



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College of Business Administration and Accountancy
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## Dr. Johnmar Fernandez Cordial

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Technical Planning Chairperson, College of Education,
Catanduanes State University
Panganiban Campus, Philippines



## Dr. Shielilo R. Amihan

Cluster Dean
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Philippines



## Engr. Juliet O. Niega

Head

Computer Engineering, College of Engineering University of Perpetual Help System -DALTA, Philippines



## Engr. Leo Agustin P. Vela

Assistant Professor College of Engineering Camarines Norte State College, Philippines



## Rudi Salam Sinulingga

Penerbit Quadra Inti Solusi, Philippines

#### **6.SCIENTIFIC PROGRAM**

Day	Session	Topic
Doy 1	Technical Session I	Engineering
Day 1	Technical Session II	Science
Dow 2	Technical Session III	<b>Education and Social science</b>
Day 2	Technical Session IV	Humanities

#### **Technical Session I**

Securing Green IoT Infrastructure Using Blockchain Based Machine Learning Intrusion detection system

Presentation by Abdurazzag A Aburas

Web-based system on evaluating practicum experiences of students

Presentation by Ruby Jean S. Medina

OHS Management In Prevention Of Construction Work Accidents (Case Study Of Development Of Payangan Sub- District Government Center)

Presentation by I Made Dwipa Arta

Driver Safety System for Drowsiness, Heart Attack, Object Detection, and Internal Temperature Control of Car With Real-Time Wireless Communication System

Presentation by Iftikhar Ali Khan

Wireless Data Transfer Based Real-Time Drip Irrigation System

Presentation by Iftikhar Ali Khan

Implications of Tourism on Changed Land Function: In the Context of Sustainable Environment-Based Area Development in the Tourism Village of Canggu, Bali, Indonesia

Presentation by Ida Bagus Surya Suamba

Co-oxidation of Monoethanolamine and Propylene Glycol in Supercritical Water

Presentation by Falah Kareem Hadi Al-Kaabi,

Power Consumption of Household Appliances.

Presentation by Dr. Glenn J. Pulvera,

The motivation of employees and its impact on projects success

Presentation by Noralhuda M. Azize

Effect of Storage Conditions on the Migration Characteristics of Benzophenone in Paper- Based Food Packaging

Presentation by David Alcarde, Jr

Implementation of a Secured Student Record Management using Modified RC6 and OTP Algorithms

Presentation by John Joseph G. Aguila

Structured Problem Solving, Math Ability and Physics Performance of Engineering Students

Presentation by Ester L. Forlales

**Effect of Process Metrics on Software Fault Proneness** 

Presentation by Anjali Bansal

#### **Technical Session II**

Level Of Vulnerability And Direction For Reducing The Risk Of Flood Disaster In Kendari City (study In Mandonga District, Kendari City-indonesia)

Presentation by Asrul

Poverty Alleviation Performance In Coastal Communities Through Village Funding Programs In Kecamatan Wangi-wangi Selatan, Wakatobi Regency, Indonesia

Presentation by Erma Fitriah Zikir

Events And Disaster Management Of Biological Dengue Hemorrhagic Fever (dhf) In Bombana Regency, Southeast Sulawesi Province, Indonesia

Presentation by Osu Oheoputra Husen

Psychological Wellbeing And Help Seeking Attitudes Among Cancer Patients In Malaysia

Presentation by Wing Hoe Wong

**Case Study in Asynchronous Online Discussion** 

Presentation By Kate R. Lamac

Research On Buryat Language In Mongolia

Presentation by Badamsuren Yadamjav\*

**Enhancement And Acceptability Evaluation Of The Starting System Of A Manuallycranked Diesel Engine** 

Presentation by Virne B. Dalisay

Decorative Arts on Vietnamese Relics in Antique Temples in Binh Duong

Presentation by Nguyen Thi Ngoc Diep

Design, Fabrication, Performance Test and Evaluation of Arrowroot Starch Processing Machine

Presentation by Orley G. Fadriquel

Site Suitability Analysis for Small Scale Irrigation Projects in the Provinces of Romblon and Marindugue through Geographic Information System-Based Water Resources Assessment

Presentation by Alfredo F. Fortu, Jr.

Soil Characterization Based On Physical And Mechanical Properties Of Pliocenepleistocene Geology In Bukidnon Philippines

Presentation by Cheryl F. Daleon

Study of the Performance of Different Open Thermal Receivers in PTSC System as Heat Source for Refining Salt

Presentation by Melchor E. Jaramilla

Quality of service in hotel companies, based on continuous improvement and human talent management

Presentation by Jacheline Wendy Anicama Sotomayor

#### **Technical Session III**

Impact Of Social Responsibility On The Development Of Scientific Research

Presentation By Ángela María Herrera Alvarez

Factors Influencing The Labour Market Insertion Of Undergraduate Graduates From Peruvian Universities

Presentation By Pedro Yvan Saenz Rivera

Leisure Program On Sports, Physical Education, Recreation And Arts In Isabela State University System

#### Presentation By Aida Ballad Singson

**Effectiveness Of Module In Understanding The Self To Freshmen Students' Performance** 

Presentation By Victoria E. Tamban

Linking College Learners' Competence In Information And Communication Technology And Learning Styles During The Covid-19 Pandemic

Presentation By Bryan M. Nozaleda

Effectiveness Of Reading, Writing, Arithmetic (3rs) And Technical Advisory On Livelihood Program Behind Bars

Presentation By Victoria E. Tamban

Localizing The Sustainable Development Goals In The Municipal Level: Local Legislature Initiatives For Thriving Lives And Sustainable Livelihood

Presentation By Rexton F. Chakas

21st Century Competency Level Of Students: Basis For A Policy Input Towards Enriched 21st Century Education

Presentation By Herbert S. Corpuz

The Quality Of Instruction Of The Teacher Education Institution (tei) Of North Luzon Philippines State College

Presentation By Andres T. Malinnag

**Dimensions Of Livelihood Initiatives Of Indigenous Women In Davao City** 

Presentation By Dr. Mary Grace Z. Agbas

Situational Analysis Of Persons With Disabilities (pwds) In Valencia City: Basis For Intervention Program

Presentation By Argel M. Vallecer

**Quadrant Of Change: Phenomenologizing Department Chairs' Leadership And Management Practices** 

Presentation By Rexy Osorio Molo

Adapting English Teaching To Engage Malaysian Male Learners

Presentation by Kavarljit Kaur Gill

#### **Technical Session III**

Burnout Syndrome In The Covid-19 Pandemic And The Virtualization Of Education Presentation By Bellanire Ospina Orejarena

Influence of the socio-cultural context on children's coexistence as perceived by teachers *Presentation By Villalobos Palacio Andrea* 

Conservative Working Capital Policy: Can it Increase Profitability and Sustainable Growth Rate?

Presentation By Sunardi Sunardi

A Reexamination of the Compliance Behavior of Income Zakat in Kedah, Malaysia **Presentation By Yusuf Haji-Othman** 

Public Perception of Biofuel Usage in Sarawak

Presentation By Audrey Liwan

**Technology-Enhanced Approaches in Teaching and Learning Business Courses in Northern Philippines** 

Presentation By Fe Rose-Anne B. Maramag

Informal Economy: A Closer Look to its Contribution to Urban Gross Income Presentation By Karen Joy A. Catacutan

Climate for Creativity and Innovation: Impact on the Sustainability of Multi-Purpose Cooperatives

Presentation By Daryl Jane Agbayani Caballero

Social Responsibility Practices of Small and Medium Enterprises (SMEs) in the Province of Bukidnon

Presentation By Michael Bonn A. Bonifacio

A Conceptual Framework on The Role of Instructional Leadership and Teachers' Change Readiness in Education

Presentation By Nor Azni Abdul Aziz

Civil Engineering and Sustainable Development Goals (SDGs): Prospects and Challenges in Building Resilient Towns and Cities

Presentation By Reynaldo Perez-Ramos

Reducing the Use of Motorcycle to Drop Off and Pick Up Students Based on the perception of Parents at Transportation Departement of Gianyar Regency, Bali, Indonesia *Presentation By I Made Rai Ridartha* 

**Topology: Emergent Features of Electrical Transmission and Distribution Losses in Response to Population Density** 

Presentation By Jonelle H. Tablada

#### **6.3 Highlights Day1 session**

Day 1 of IC-ESSU Conference consist of 2 session in which each session consist of 13 presentation

## **Highlight of Session I**

Session I of IC-ESSU Conference consist of 13 presentation in which the presentation which attracted all is listed below



**Author Name: Dr. Ester L. Forlales** 

Title: Title: Structured Problem Solving, Math Ability and Physics Performance of

**Engineering Students** 

#### **Abstract:**

This study focused on the effect of math ability and structured problem solving approach in Physics performance of engineering students. It determined 1) Students' Physics performance in pre-test and post-test; 2) Effect of students' mathematical ability in Physics performance in pre-test and post-test; and 3) Interaction effect of teaching method and mathematical ability in students' Physics performance in pre-test and post-test. Using quasi-experimental design with non- equivalent control group, four intact Physics classes were randomly assigned as experimental and control. Experimental group were 56 Agricultural Engineering and Civil

Engineering students, and control group were 61 Electrical Engineering and Mechanical Engineering students. Both groups were given math proficiency test, pre-test and post-test in Physics. Analysis of variance showed that structured problem solving approach significantly improved students' Physics performance. High math ability students performed better in Physics than those with low math ability. There was no interaction effect of teaching methods and mathematical ability on Physics performance. It really matters if structured problem solving is considered a fundamental approach in teaching Physics for better learning outcomes. Math ability should be given utmost consideration in Physics instruction.

**Keywords:** instructional approach, interaction effect, math ability, physics performance, structured problem solving.



## **Highlight of Session II**



Name: Orley G. Fadriquel

Title: Design, Fabrication, Performance Test and Evaluation of Arrowroot Starch Processing Machine

#### **Abstract:**

The study addressed an interesting problem and aimed to design, develop and perform evaluation of an arrowroot starch processing machine. The study includes technical performance evaluation, financial and economic feasibility study, and acceptability evaluation in developing the machine. The developed machine has two functions: pulverizing and sieving dried arrowroot lumps into fine starch. Data analysis conducted showed that the type of processing methods used has significant effect in the processing time and recovery weight of arrowroot starch. The traditional processing method is significantly faster than the processing in the developed machine. However, processing the arrowroot starch in the developed machine has significantly higher weight recovery than the traditional method. The moisture content of the arrowroot starch did not have significant effect on the processing time, but have significant effect on weight recovery. The developed machine had a processing capacity of 25.9 kg/hr and efficiency of 94.3% The higher efficiency of the developed machine enabled higher weight recovery of the processed starch. The financial feasibility of developing the machine revealed a return on investment of 42.33% and the acceptability evaluation yielded positive responses from potential users. The author recommends prolonged field testing to determine the machine's field capacity, efficiency, and limitations.

Keywords: arrowroot starch, processing machine, pulverizing, sieving



#### **6.4 Highlights of Day 2 Sessions**

## **Highlight of Session III:**



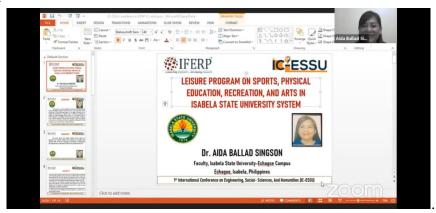
Name: Aida Ballad Singson

**Title:** leisure program on sports, physical education, recreation And arts in isabela state university system

#### **Abstract:**

The need for physical activities along with sports and Arts activities are increasing with the growing population and the work pressure in different global regions. For getting relieved from this hectic lifestyle. The educational sectors are therefore now evolving various outdoor activities in their instruction system so that faculties and students both can be satisfied from their lifestyles after spending a busy day. In this study, how such activities are playing an important role for making the leisure period effective, has been illustrated. After taking the survey over 379 students and 263 faculties of Isabela State University, the result has been described here to get better understanding. The significance of physical education has been emphasized in this study based on the survey result where respondents have found responses in a positive way to improvehealth measures.

Keywords: Leisure sports, recreation, physical education recreation, Arts in university, impact of recreation



#### **Highlight of Session IV**



Name: Michael Bonn A. Bonifacio

Title: Social Responsibility Practices of Small and Medium Enterprises (SMEs) in the Province

of Bukidnon

#### Abstract:

The purpose of this study was to determine the social responsibility practices and the significant difference when the 393 small and medium enterprises (SMEs) in the Province of Bukidnon. The enterprises were grouped by classifications, business organizations, and business types. The study used descriptive survey method, questionnaire, percentage, mean, t-test, and ANOVA. Results showed that most of the enterprises are small in the category with ten years and below business experience. Most are sole proprietorship and involved in the business of retailing. Results revealed that there is a high level of social responsibility practices in terms of economic, legal, ethical, discretionary/philanthropic, and environmental aspects. The results showed that there is no significant difference in the level of compliance to social responsibility practices for small and medium enterprises by classification and by business type. However, the study yielded a significant difference in social responsibility practices when analyzed by business organizations. Furthermore, this study recommends that small and medium enterprises should integrate social responsibility in all phases of their business operation that will improve the quality of life of the workforce and their families, the welfare of the community, and the well-being of society.

**Keywords:** social responsibility, small and medium enterprises



#### **6.5 Most Enjoyed Presentations**



Name: Cheryl F. Daleon

Title: Soil Characterization Based On Physical And Mechanical Properties Of Pliocene-Pleistocene Geology In Bukidnon Philippines

#### Abstract:

Soil characterization is important since it gives an idea of the state of soil in the field. Moreover, Philippine geology map shows a vast area of pliocene-pleistocene classification, where until now only limited study presented the soil characteristic of this type of geology. These soil characteristics are essential for engineering purposes like the design, land development, slope stability, disaster risk mitigation, stabilization and other relevant utilization. In addition, it identifies if the soil in the site is problematic likebeing expansive or collapsible. In this study the soil from thirty sampling locations in the two barangays of Kibawe, Bukidnon with pliocene-pleistocene geology is characterized based on their physical and mechanical properties. On the other hand, it has 25 locations that are non-collapsible soil and only 5 are collapsible. In terms of cohesion-PI relationship, it shows that the cohesion value increases with increasing value of PI. However, friction angle for CL and ML decreases with increasing PI; while friction angle for CH and MH increases with increasing PI. While some laboratory tests are expensive, these results may help estimate the soil properties and shear strength from other locations with the same geology.

Key Words: Characterization, Pliocene-Pleistocene, Physical, Mechanical





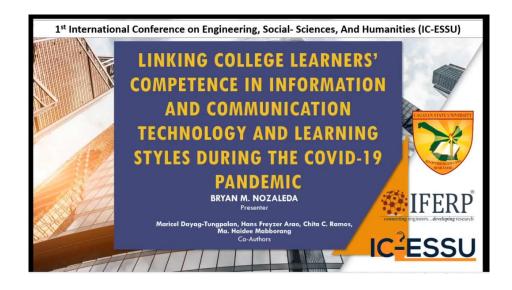
Name: Bryan M. Nozaleda

Title: Linking College Learners' Competence in Information and Communication Technology and Learning Styles during the COVID-19 Pandemic.

#### Abstract:

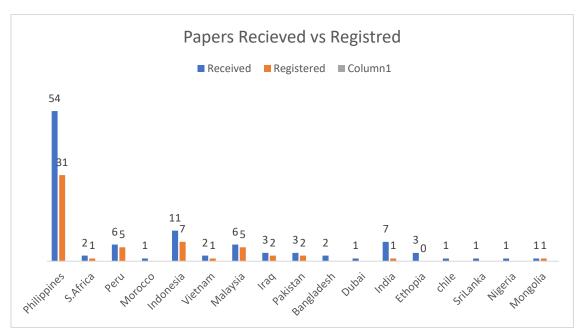
The purpose of the study was to determine the learning styles and Information and Communication Technology Competence of university students in the course of the COVID19 pandemic. It also aims to identify possible associations related to ICT Competence and the students' learning styles. A descriptive and correlational quantitative approach was applied in the study and used a non-probabilistic sample of 686 students in a state university in the Philippines. The results showed that the students' dominant learning style is collaborative and seconded by dependent. This means that university students in the course of the COVID19 pandemic exposed to flexible learning modalities learn best when given opportunities to exchange ideas to small group discussions than large group lectures. However, a significant number of students lack intellectual interest and learn only what is asked of them. Meanwhile, students' ICT skills and attitudes are closely connected to their learning styles. Collaborative learners have a higher level of ICT competence than the other groups. Furthermore, the findings revealed that students learning styles are strongly linked to their college programs. Other variables, such as ICT-related burnout levels, should be examined to see whether they have a possible mediation impact on ICT competence.

Keywords: Learning Styles, ICT Competence, COVID19 Pandemic.

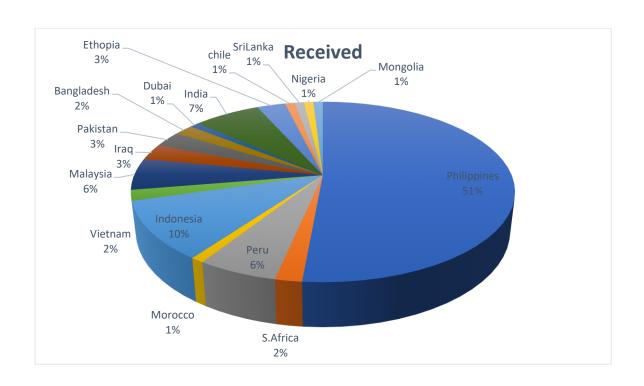


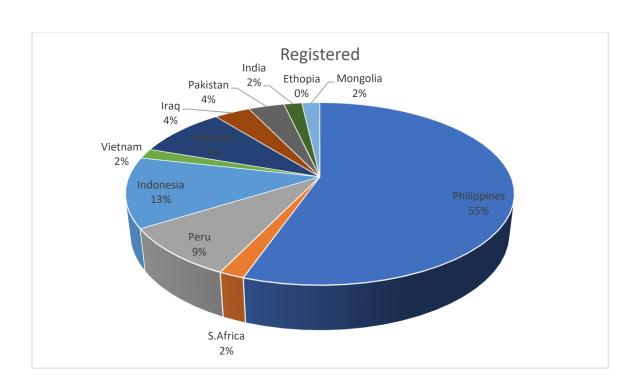
## **7.SURVEY ANALYSIS**

## Papers received based on the Country.



Country	Received	Registered
Philippines	54	31
S.Africa	2	1
Peru	6	5
Morocco	1	
Indonesia	11	7
Vietnam	2	1
Malaysia	6	5
Iraq	3	2
Pakistan	3	2
Bangladesh	2	
Dubai	1	
India	7	1
Ethopia	3	-
chile	1	
SriLanka	1	
Nigeria	1	
Mongolia	1	1
Total	105	56





#### 8.VALIDICTORY

# In the Valedictory best paper and best paper Presentation of 1st International Conference on Engineering, Social- Sciences, And Humanities (IC-ESSU) was announced

### Best paper award

Paper ID	Paper Title	Author Name
IC-ESSU_038719	Soil Characterization Based On Physical And Mechanical Properties Of Pliocene-pleistocene Geology In Bukidnon Philippines	Cheryl F. Daleon

## **Best paper Presentation award**

Paper ID	Paper ID Paper Title	
IC-ESSU_268079	Linking College Learners' Competence in Information and Communication Technology and Learning Styles during the COVID-19 Pandemic	Bryan M. Nozaleda





#### 9.FEEDBACK

Name :Efren r. Dela paz Email: lspulbchrmo@gmail.com Contact Number :+1639085490092

University Name :LSPU Designation :HRMO Country : Philippines

What is your overall evaluation of the conference ? :Yes-definitely

Comments :Excellent

What is your rating of the overall effectiveness of the presentations and speakers you heard?: More than satisfactory

Comments : Excellent

What is your over all evaluation of the conference organization?: Yes-definitely

Comments : Excellent

What aspects of the conference were of more value to you ?: The topics and the speakers

What aspects of the conference were of least value to you?: None at all

Please list suggestions for topics and speakers for future conferences. We are interested in the issues you are facing or the presentations you would find most valuable. :Keep it up

Overall Organization : Very Good Conference Registrations : Very Good

Speaker Quality : Very Good

How did you first learn about the conference ? :From a colleague

Name :Badamsuren Yadamjav Email: badamsuren.ya@num.edu.mn

Contact Number:99011540

University Name :National University of Mongolia

Designation :Associate professor

Country : Mongolia

What is your overall evaluation of the conference ? : Satisfactory

Comments : good

What is your rating of the overall effectiveness of the presentations and speakers you heard ? :No-Never

Comments : good

What is your over all evaluation of the conference organization?: No-Never

Comments : good

What aspects of the conference were of more value to you? :presentations

What aspects of the conference were of least value to you? :nothing

Please list suggestions for topics and speakers for future conferences. We are interested in the issues you are facing or the presentations you would find most valuable. nothing

Overall Organization : Good

Conference Registrations : Good

Speaker Quality : Good

How did you first learn about the conference ? :facebook

Name : ANDRES T MALINNAG JR

Name: ANDRES T MALINNAG JR

Email: andres mailinea@@nloss.edu.bt

Contact Number: 09175061347

University Name: NORTH LUZON PHILIPPINES STATE COLLEGE

Designation: Faculty Researcher

Country: Philippines

What is your overalle valuation of the conference ? 'Yes-definitely

Comments: Very fast and organized in a computer environment. Impressive

What is your rating of the overall effectiveness of the presentations and speakers you heard ? 'No-Ne

Comments: Challenging.

What is your row all evaluation of the conference organization? 'Yes-definitely

Comments \*Unaisenging.
What is your over all evaluation of the conference organization ? :Yes-definitely
Comments -Very fast and organized and impressive.
What aspects of the conference were of more value to you? establishing linkages
What aspects of the conference were of least value to you? none

Please list suggestions for topics and speakers for future conferences. We are interested in the issues you are facing or the presentations you would find most valuable...something related on the coping mechanisms of a country, or a university during this pandemic

Overall Organization : Very Good

Overlan Organization : Very Good
Conference Registrations : Good
Speaker Quality : Very Good
How did you first learn about the conference ? :by e-mails

Name : Judith Soledad Yangali Vicente

Email : judith.yangali@uwiener.edu.pe
Contact Number :995044505
University Name :Universidad Norbert Wiener

Designation :autor de correspondencia

Country :Peru

What is your overall evaluation of the conference? Yes-definitely

Comments :more satisfactory

What is your rating of the overall effectiveness of the presentations and speakers you heard? :More than satisfactory

Comments :more satisfactory
What is your over all evaluation of the conference organization? :Yes-definitely
Comments :more satisfactory
What aspects of the conference were of more value to you? :the presentation

What aspects of the conference were of least value to you ? :none

Please list suggestions for topics and speakers for future conferences. We are interested in the issues you are facing or the presentations you would find most valuable. :innovation and teconology in education Overall Organization: Very Good
Conference Registrations: Very Good

Speaker Quality : Very Good

How did you first learn about the conference? :by facebook the 1st time and then because they already wrote to my email

Name : Rexton Chakas Email: chuwaley2002@yahoo.com Contact Number :09399020840

University Name :Mountain Province State Polytechnic College

Designation : College President Country : Philippines

What is your overall evaluation of the conference ? :Yes-definitely

Comments :conference was run verv well

What is your rating of the overall effectiveness of the presentations and speakers you heard ? : More than satisfactory

Comments: Speakers are authorities in their own right

What is your over all evaluation of the conference organization ? :Yes-definitely

Comments :very organized and facilitating
What aspects of the conference were of more value to you? :presentation of results of the studies

What aspects of the conference were of least value to you? :none

Please list suggestions for topics and speakers for future conferences. We are interested in the issues you are facing or the presentations you would find most valuable. :none at the moment

Overall Organization :Very Good Conference Registrations :Very Good Speaker Quality :Very Good

How did you first learn about the conference ? :FB

Name : Victoria Tamban

Email:victoria.tamban@lspu.edu Contact Number:09466252723

University Name :Laguna State Polytechnic University

Designation :ITSO Manager-LSPU System Country :Philippines

What is your overall evaluation of the conference ? :Yes-definitely

Comments: This conference is really great.

What is your rating of the overall effectiveness of the presentations and speakers you heard? More than satisfactory

Comments :The speakers shown expertise.

What is your over all evaluation of the conference organization?:Yes-definitely

Comments : Excellent

What aspects of the conference were of more value to you ? :All

What aspects of the conference were of least value to you?:None

Please list suggestions for topics and speakers for future conferences. We are interested in the issues you are facing or the presentations you would find most valuable. Education amidst pandemic

Overall Organization : Very Good Conference Registrations : Very Good

Speaker Quality : Very Good

How did you first learn about the conference ? :Email

Name :GLENN J. PULVERA

Email:stingray12152000@yahoo.com

Contact Number :09293489205 University Name :PALOMPON INSTITUTE OF TECHNOLOGY TABANGO CAMPUS

Designation :BSInT Program Coordinator

Country : Philippines

What is your overall evaluation of the conference ? :Yes-definitely

Comments :Organization of Conference proper

What is your rating of the overall effectiveness of the presentations and speakers you heard ? :No-Never Comments :very brilliant speakers

What is your over all evaluation of the conference organization ? :Yes-definitely

Comments organized proceedings
What aspects of the conference were of more value to you? :The presentation of innovative researches

What aspects of the conference were of least value to you? Social sciences issues
Please list suggestions for topics and speakers for future conferences. We are interested in the issues you are facing or the presentations you would find most valuable. Engineering and IT

Overall Organization :Very Good Conference Registrations :Very Good

Speaker Quality : Very Good

How did you first learn about the conference ? :through fb

Name : Aida Ballad Singson

Email:aidaballadsingson@gmail.com

Contact Number :09057918985 University Name :Isabela State University Designation :BPEd Program Chair

Country: Philippines
What is your overall evaluation of the conference ? :Yes-definitely
Comments: Impressive

What is your rating of the overall effectiveness of the presentations and speakers you heard?: More than satisfactory

Comments Knowledgeable
What is your over all evaluation of the conference organization?:Yes-definitely
Comments:More than satisfactory

What aspects of the conference were of more value to you ?: I learned to understand the procedure of the presentation

What aspects of the conference were of least value to you? Meeting different researchers

Please list suggestions for topics and speakers for future conferences. We are interested in the issues you are facing or the presentations you would find most valuable. I would suggest for a host to have a modulated voice

Overall Organization: Very Good

Conference Registrations : Very Good

Speaker Quality: Good How did you first learn about the conference? :Through a colleague friend

Name : Victoria Tamban

Email: victoria.tamban@lspu.edu.ph

Contact Number :09466252723

University Name :Laguna State Polytechnic University Designation :ITSO Manager-LSPU System

Country:Philippines
What is your overall evaluation of the conference?:Yes-definitely

Comments : It is timely

What is your rating of the overall effectiveness of the presentations and speakers you heard ?: More than satisfactory Comments: They are all great speakers

What is your over all evaluation of the conference organization ?: Yes-definitely

Comments :The organization is very accomodating.

What aspects of the conference were of more value to you ? :All aspects

What aspects of the conference were of least value to you? :None
Please list suggestions for topics and speakers for future conferences. We are interested in the issues you are facing or the presentations you would find most valuable. Economy

Overall Organization :Very Good Conference Registrations :Very Good

Speaker Quality : Very Good

How did you first learn about the conference ? :Through email

Name : KAREN JOY CATACUTAN

Email: karenjoyannang@yahoo.com.ph Contact Number: 09175765586

University Name :University of Saint Louis Designation :Professor Country :Philippines

What is your overall evaluation of the conference ? :Yes-definitely Comments :The conference is more than satisfactory

What is your rating of the overall effectiveness of the presentations and speakers you heard?: No-Never

Comments: The overall effectiveness of the presentations and speakers are satisfactory What is your over all evaluation of the conference organization? :Yes-definitely

Comments :The over all evaluation of the conference organization is more than satisfactory What aspects of the conference were of more value to you?:Research Presentations What aspects of the conference were of least value to you?:None

Please list suggestions for topics and speakers for future conferences. We are interested in the issues you are facing or the presentations you would find most valuable. :Business Educations research presentations Overall Organization: Very Good

Conference Registrations : Very Good

Speaker Quality: Very Good
How did you first learn about the conference ?: Facebook advertisement

Name :Rexton Chakas

Email :chuwaley2002@yahoo.com Contact Number :09399020840

University Name : Mountain Province State Polytechnic College

Designation :College President Country :Philippines

What is your overall evaluation of the conference ? :Yes-definitely Comments :Had no problems with the conference

What is your rating of the overall effectiveness of the presentations and speakers you heard? : More than satisfactory

Comments :Presentations were superb What is your over all evaluation of the conference organization ? :Yes-definitely

Comments:Orgabization is highly commendable
What aspects of the conference were of more value to you?:the rewsults of the studies presented

What aspects of the conference were of least value to you? none
Please list suggestions for topics and speakers for future conferences. We are interested in the issues you are facing or the presentations you would find most valuable. coping with post pandemic situations

Overall Organization : Very Good

Conference Registrations :Very Good Speaker Quality :Very Good

How did you first learn about the conference ? :FaceBook

Name :Badamsuren Yadamjav

Email: badamsuren.ya@num.edu.mn

Contact Number :99011540

University Name : National University of Mongolia

Designation : Associate professor

Country : Mongolia

What is your overall evaluation of the conference ? : Satisfactory Comments : good

What is your rating of the overall effectiveness of the presentations and speakers you heard ?: No-Never Comments : good

What is your over all evaluation of the conference organization?: No-Never Comments : good

What aspects of the conference were of more value to you ? :presentations

What aspects of the conference were of least value to you? :nothing

Please list suggestions for topics and speakers for future conferences. We are interested in the issues you are facing or the presentations you would find most valuable. :everything

Overall Organization : Good

Conference Registrations : Good

Speaker Quality : Good

How did you first learn about the conference ? :Facebook

#### **10.VOTE OF THANKS:**

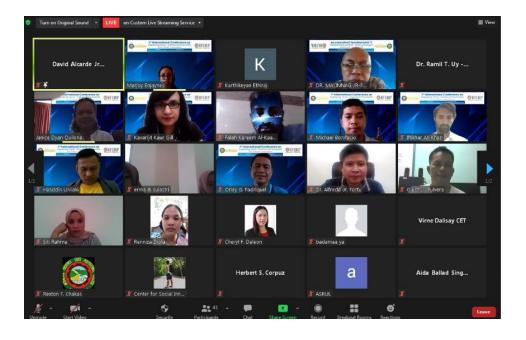
1st International Conference on Engineering, Social- Sciences An Humanities (IC-ESSU) successfully hosted its premiere IC-ESSU at Easter Samar State university on 26<sup>th</sup> and 27<sup>th</sup> May 2021. The conference was organized with a focus on Engineering, Social- Sciences An Humanities" and it was a great success where eminent keynote speakers from various universities addressed the gathering.

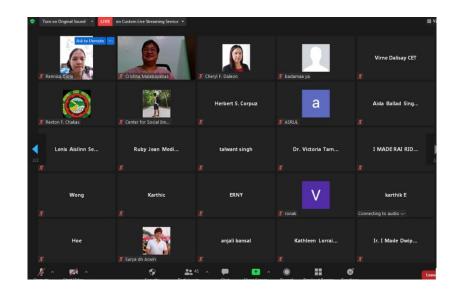
The generous response and active participation of the Organizing Committee Members and Editorial Board members of Engineering, Social- Sciences An Humanities we take the opportunity to thank all the speakers, delegates and participants for providing their valuable support and time for ICESSU 2021.

Organizing Committee would like to thank the Moderator of the conference, and who contributed a lot for the smooth functioning of this event.

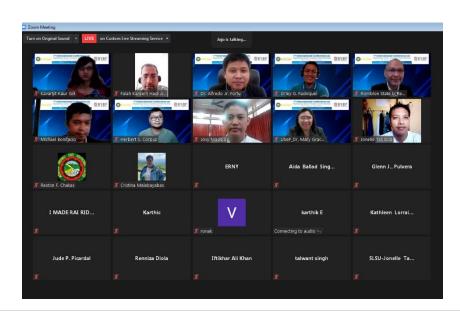
congratulates the Best Paper ,Best paper Presentation awardees for their outstanding performance in the field of Engineering, Social- Sciences An Humanities and appreciates all the participants who put their efforts in poster presentations & Young Researchers form and sincerely wishes them success in future endeavours. We would like to thank the Dr. Marina S. Apilado, Vice President for External Affairs and Quality Assurance, Eastern Samar State University, Philippines for their value judgment. We would like to thank the

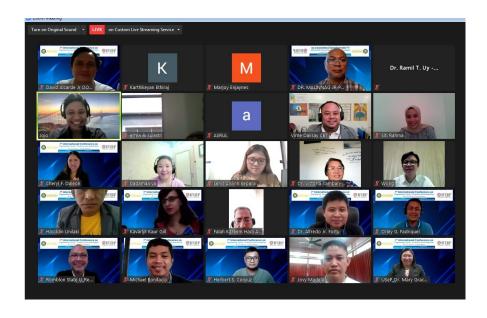
#### 11.CONFERENCE GLIMPSES

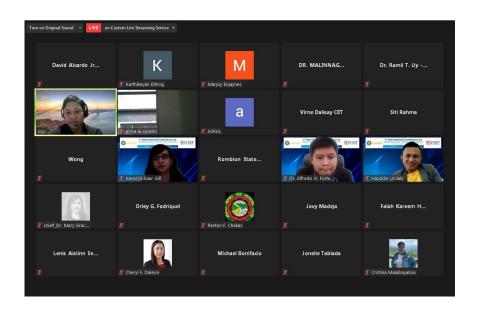


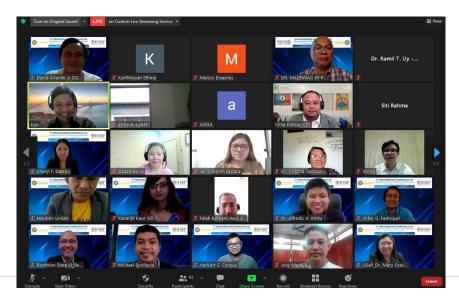


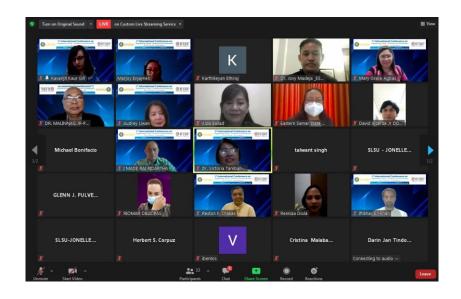


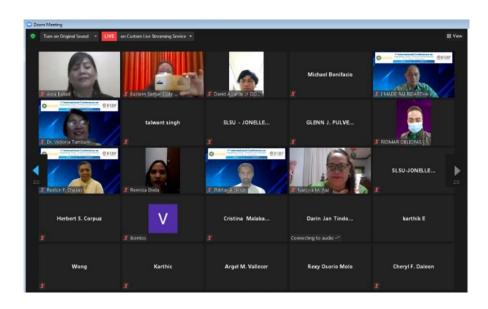






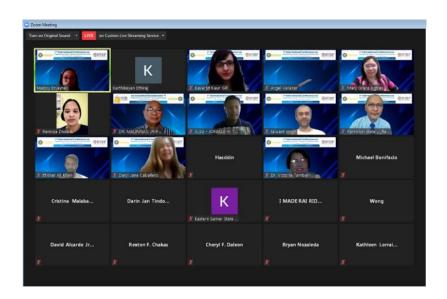


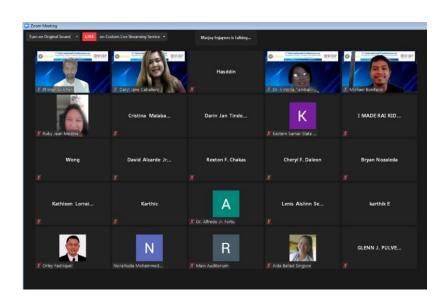


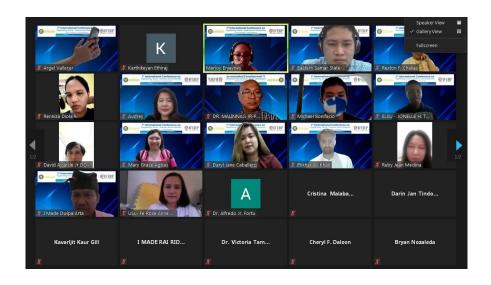






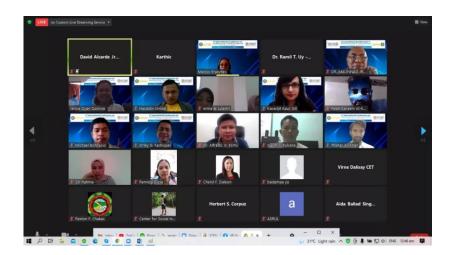












#### 12.CONCLUSION SUMMARY

ICESSU 2021 was a success event organized by IFERP amid the COVID19 with a collective effort from host organization, Organization committee members and all participants. This event provided a learning experience to all and shape ourselves to near future. We would like to conclude with Thank you to all.

#### **Our Associates**





















## **Proceeding Book**

Click the link to download the Proceedings Books

https://drive.google.com/file/d/1mhAD-kjrFKae4C96JnrHVY8VS\_ni6Zg/view?usp=sharing

## **Conference poster**

Click the link to download the poster

 $\underline{https://drive.google.com/file/d/1DFYTWpn\_SppVpptVdUwR6UVFeEbM3j4/view?usp=sharing}$ 

#### **Conference Brochure**

Click the link to download the brochure.

 $\underline{https://drive.google.com/file/d/1PMTjwRjpuXKbYQ8LVKxPDJJrwGYTfYbv/view?usp=sharing}$ 

## **Conference Background**

