















REPORT

ANNUAL JOINT RESEARCH SEMINAR

between February and December 2022 Ulaanbaatar, Mongolia

	Urban Resilience and Adaptation for India and Mongolia: curricula, capacity,	
Title:	ICT and stakeholder collaboration to support green & blue infrastructure and	
	nature-based solutions – URGENT	
Number:	619050-EPP-1-2020-1-DE-EPPKA2-CBHE-JP	
Coordinator:	Mongolian University of Life Sciences- MULS	
	National university of Mongolia – NUM	
Partners:	Khovd University – KHU	
Farmers.	Urban planning and Design institute of Ulaanbaatar- UPRI	
	National Garden Park- NGP	

Aim:

- 1. Researchers to present and discuss their work.
- 2. Disseminating and sharing knowledge.
- 3. Researcher can meet other scientists, exchange important information with them.
- 4. Find a researcher to collaborate with, and listen to new ideas and approaches to problem solving.
- 5. PhD students actively participate in scientific discussions and can evaluate own studies.
- 6. Graduate students improve research skills and students will reflect on the importance.

Seminar moderator:

Doctor BANZRAGCH Dalai, Mongolian University of Life Sciences

Doctor ODONGEREL Sangidori, Mongolian University of Life Sciences

Seminar link: https://zoom.us/j/94936278753?pwd=anZKeU40ZmFHOGxPQWRrVW50UIVYZz09

Schedule for joint research seminar

Date	Time	Presenter	Topic
Monday	10.12 am	A.Belguun	Define the elements of design in the park garden planning
28 10-12 am February		U.Oyunzul	Protecting drinking water resources for the residents of Ulaanbaatar city
Monday	Monday 21 March 10-12 am	Ch.Bolormaa	Hydrogeochemical study of hot springs in the Westren region of Mongolia
21 March		G.Uranbaigal	Issues of the environmental infrastructure planning
Monday 18 April	14-15 pm	Kh.Munkhtuvshin	Architectural planning of the orchard landscape
		N.Oyunchimeg R.Amartuvshin	Risk based management planning in protected areas

Friday	10-12 am	G.Battsetseg	Tree Nursery planning and preparing seedlings of shrubs and trees for planting
03 June		D.Banzragch	Impact of urbanization and population on ecosystems of the river terraces
Thursday		D.Davaadorj	Geo-ecological study in Darkhan city area
27 September	10-12 am	E.Narankhuu	Evaluation of the natural landscape aesthetic: a case study of Uvs province, Mongolia
Monday 17 October	10-12 am	S.Oyuntuya	Air layering trees
		E.Enkhtuul	Impact of urban heat island on the environment
Monday 21 November	10-12 am	D.Batsuren	Trend Analysis of Hydro-Climate Variables in Lake Baikal Basin
		D.Khulan	Urban Design-Appearance of Ulaanbaatar city of Mongolia
Mondov	10-12 am	D.Enkhtuul	Green facility of the Khovd city
Monday 19 December		B. Batdelger	Health Risk Assessment, and Contamination of Heavy Metals in Street Dust of Erdenet City, Mongolia

PRESENTERS BRIEF BIOGRAPHY

№	Presenter name	Photo	Biography
1	BELGUUN Agvaannamkhaidorj		A.Belguun is a lecturer at the Mongolian University of Life Sciences and the School of Agroecology. Teaches Project of landscape architecture, Landscape design Composition. Research interest: Landscape architecture of urban plan, Small garden design, River terrace landscape architectural planning, Slope landscape architectural planning
2	MUNKHTUVSHIN Khishigzundui		Kh.Munkhtuvshin is a laboratory manager and lecturer at the Mongolian University of Life Sciences and the School of Agroecology. Teaches park planning and landscape architecture. Landscaping maps of several aimags and districts were completed.
3	BANZRAGCH Dalai		Doctor (Ph.D), A senior lecturer at the Mongolian University of Life Sciences and the School of Agroecology, Research Interest: Plant protection, Forest entomology and phytopathology, Environmental risk assessment, Geochemistry and Geoarchaeology

4	ODONGEREL Sangidorj	ADA ARTS SIGN SIGN SIGN SIGN SIGN SIGN SIGN SIG	Doctor (Ph.D), A senior lecturer at the Mongolian University of Life Sciences and the School of Agroecology. Teaches urban green space planning, and landscape architecture art. Research interest: Landscape architecture planning, Ornamental botany, Landscape architecture art.
5	ODONCHIMEG Tumee	20 20 (1971) Your XIIC	Tseaches T.Odonchimeg conducted researches of regional collaboration, teaches Education for sustainable development and philology.
6	BOLORMAA Chimeddorj		Teaches biochemistry. She participated in several research project related to hydrochemistry and water ecology
7	NARANKHUU Erdenejargal	NATIONAL UNIVERSITOR OF TOTAL GOLIA	Doctor (PhD) Teaches tourism management, landscape aesthetics at The Khovd state University. He has participated several researches regarding tourism management and regional tourism resources.
8	D. ENKHTUUL		MS of Biological Sciences, Lecturer at Khovd Branch School of National University of Mongolia. Research area: botany and health
9	R.Amartuvshin (N.Oyunchimeg)		Ecologist. Specialist of Orkhon Valley National Park. Member of the research team that conducted the risk assessment in the protected area. Topic: Risk based management planning in protected areas

10	BATSUREN Dorjsuren	Doctor (Ph.D), Associate Professor, Department of Environment and Forest Engineering, School of Engineering and Applied Sciences, National University of Mongolia, Research Interest: Ecohydrological processes, Hydrological cycle, Water and Climate change, Risk of pollutants, Environmental management, Waste management, Protect the environment
11	BATDELGER Byambaa	Doctor (Ph.D), Associate Professor, School of Engineering and Applied Sciences, National University of Mongolia, Research Interest: Air pollution, Assessment, and risk of pollutants of Environmental Polycyclic Aromatic Hydrocarbons, Environmental audit
12	URANBAIGAL Gotov	G.Uranbaigal, Mongolian Consulting Engineer in Land use and planning, works in the Urban Planning and Research Institute as a head of master plan monitoring and evaluation division. She was responsible for environmental research and planning in the development of the "Comprehensive Master plan for the development of Ulaanbaatar until 2040".
13	KHULAN Dashdorj	D.Khulan, Mongolian Certified Architect in Urban Planning, works in the Urban Planning and Research Institute as a senior specialist in urban development, social and economic research division.
14	ENKHTUUL Enkhtaivan	E.Enkhtuul, Master of industrial and ecological engineering, works in the Urban Planning and Research Institute as a specialist of environment, land ecology and economics in the Master Plan Monitoring and Evaluation Division.
15	OYUNZUL Unenbat	Presenter U.Oyunzul Director National Garden Park, Author of "WHAT A WONDERFUL MONGOLIA" series, a travelogue of 21 aimags of Mongolia, Trainer, performed 82 trainings to 8000 managers in capital city and 21 provinces of Mongolia

16	BATTSETSEG	Works: National Garden Park, Arboriculture engineer /2020-2022/ National Garden Park, Head of Production and Green Building Department /2018- 2020/ Education: National University of Mongolia / 2004-2008/ Profession: Forester
17	OYUNTUYA Sugar	Works: National Garden Park, Dendrologist National Garden Park, Production and Green Building Department Education: 2005 – 2009 Study of National University of Mongolia, Degree obtained: Bachelor. 2012 – 2014 Study of National University of Mongolia, Degree obtained: MSc

Appendix 1. 28 February 2022

Research online seminar link:

https://mail.google.com/mail/u/0/#inbox/FMfcgzGrblhhBGGHlQnJjRTJCgQQnHpg?projector=1

















JOINT RESEARCH SEMINAR

ULAANBAATAR, MONGOLIA BETWEEN FEBRUARY AND DECEMBER, 2022



A.BELGUUN

MONGOLIAN UNIVERSITY OF LIFE
SCIENCES AND THE SCHOOL OF
AGROECOLOGY. RESEARCH INTEREST:
LANDSCAPE ARCHITECTURE OF URBAN
PLAN, SMALL GARDEN DESIGN, RIVER
TERRACE LANDSCAPE ARCHITECTURAL
PLANNING, SLOPE LANDSCAPE
ARCHITECTURAL PLANNING.



U.OYUNZUL

Director National Garden Park, Author of "WHAT A WONDERFUL MONGOLIA" series, a travelogue of 21 aimags of Mongolia, Trainer, performed 82 trainings to 8000 managers in capital city and 21 provinces of Mongolia

DEFINE THE ELEMENTS OF DESIGN IN THE PARK GARDEN PLANNING.

PROTECTING DRINKING WATER RESOURCES FOR THE RESIDENTS OF ULAANBAATAR CITY.

DATE MONDAY 28 FEBRUARY

TIME

U.Oyunzul "Protecting drinking water resources for the residents of Ulaanbaatar city"



A.Belguun "Define the elements of design in the park garden planning"



Appendix 2. 21 March 2022

Research online seminar link:

https://mail.google.com/mail/u/0/#inbox/FMfcgzGrblhhBGGHlQnJjRTJCgQQnHpg?projector=1



Co-funded by the Erasmus+ Programme of the European Union















JOINT RESEARCH SEMINAR THE NATIONAL INTENSE PROGRAM IN MONGOLIA

ULAANBAATAR, MONGOLIA BETWEEN FEBRUARY AND DECEMBER, 2022



CH. BOLORMAA

Teaches biochemistry. She participated in several research project related to hydrochemistry and water ecology



G. URANBAIGAL

MONGOLIAN CONSULTING ENGINEER IN LAND USE AND PLANNING, WORKS IN THE URBAN PLANNING AND RESEARCH INSTITUTE AS A HEAD OF MASTER PLAN MONITORING AND EVALUATION DIVISION.

HYDROGEOCHEMICAL STUDY OF HOT SPRINGS IN THE WESTREN REGION OF MONGOLIA ISSUES OF THE ENVIRONMENTAL INFRASTRUCTURE PLANNING

DATE MONDAY 21 MARCH

TIME

















JOINT RESEARCH SEMINAR

ULAANBAATAR, MONGOLIA BETWEEN FEBRUARY AND DECEMBER, 2022



KH.MUNKHTUVSHIN

THE MONGOLIAN UNIVERSITY OF LIFE SCIENC-ES AND THE SCHOOL OF AGROECOLOGY. TEACHES PARK PLANNING AND LANDSCAPE ARCHITECTURE. LANDSCAPING MAPS OF SEV-ERAL AIMAGS AND DISTRICTS



R.AMARTUVSHIN

SPECIALIST OF ORKHON VALLEY NATION-AL PARK. MEMBER OF THE RESEARCH TEAM THAT CONDUCTED THE RISK AS-SESSMENT IN THE PROTECTED AREA.

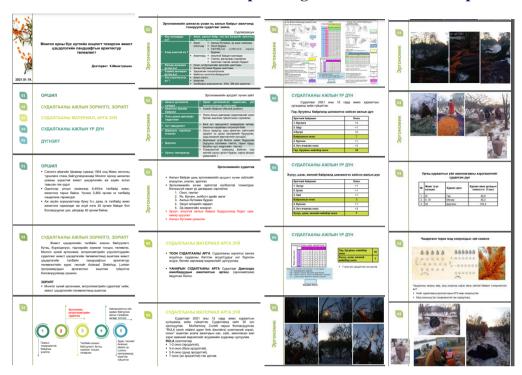
ARCHITECTURAL PLANNING OF THE ORCHARD LANDSCAPE

RISK BASED MANAGEMENT PLAN-NING IN PROTECTED AREAS

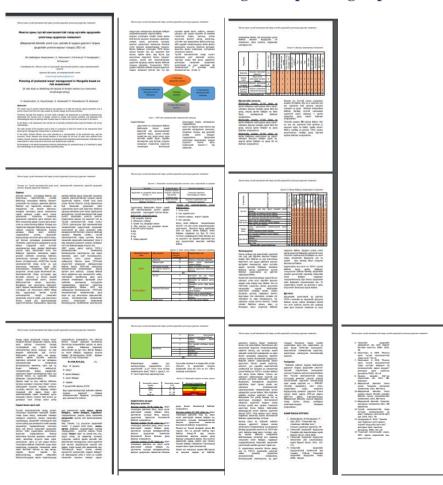
MONDAY 18 APRIL

TIME

Kh.Munkhtuvshin "Architectural planning of the orchard landscape"



R.Amartuvshin "Risk based managemant planning in protected areas"



















JOINT RESEARCH SEMINAR THE NATIONAL INTENSE PROGRAM IN MONGOLIA

ULAANBAATAR, MONGOLIA BETWEEN FEBRUARY AND DECEMBER, 2022



G.BATTSETSEG

WORKS: NATIONAL GARDEN PARK, ARBORI-CULTURE ENGINEER /2020-2022/ NATIONAL GARDEN PARK, HEAD OF PRODUC-TION AND GREEN BUILDING DEPARTMENT /2018-2020/

EDUCATION: NATIONAL UNIVERSITY OF MON-GOLIA / 2004-2008/



D. BANZRAGCH

Doctor (Ph.D), A senior lecturer at the Mongolian University of Life Sciences and the School of Agroecology, Research Interest: Plant protection, Forest entomology and phytopathology, Environmental risk assessment, Geochemistry and Geoarchaeology

TREE NURSERY PLANNING AND PRE-PARING SEEDLINGS OF SHRUBS AND TREES FOR PLANTING

IMPACT OF URBANIZATION AND POPU-LATION ON ECOSYSTEMS OF THE RIVER TERRACES

DATE

THURSDAY

3 JUNE

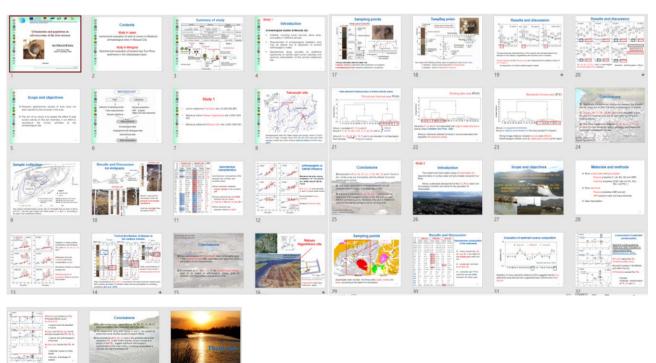
TIME

10-12 AM

G.Battsetseg "Tree nursery planning and preparing seedlings of shrubs and trees for planting"



Doctor D.Banzragch "Impact of urbanization and population on ecosystems of the river terraces"



Appendix 5. 27 September 2022

Research online seminar link: https://youtu.be/eUSCJDgDx-s



















JOINT RESEARCH ONLINE SEMINAR

ULAANBAATAR, MONGOLIA BETWEEN FEBRUARY AND DECEMBER, 2022



D. DAVAADORJ

DOCTOR (PHD), ASSOCIATE PROFESSOR DEPARTMENT OF GEOGRAPHY, SCHOOL OF ART & SCIENCE, NATIONAL UNIVERSITY OF MONGOLIA.

RESEARCH INTEREST: SOIL EROSION, LAND DEGRADATION, SOIL CONTAMINATION, REMEDIATION TECHNOLOGY. PHYSICAL GEOGRAPHY AND PALEO-ENVIRONMENT RE-CONSTRUCTION



E.NARANKHUU

Doctor (Ph.D),

Teaches tourism management, landscape aesthetics at The Khovd State University. She has participated several researches regarding tourism management and regional tourism resources.

TOPIC: GEO-ECOLOGICAL STUDY IN DARKHAN CITY AREA

TOPIC:

EVALUATION OF THE NATURAL LAND-SCAPE AESTHETIC: A CASE STUDY OF UVS PROVINCE, MONGOLIA.

DATE

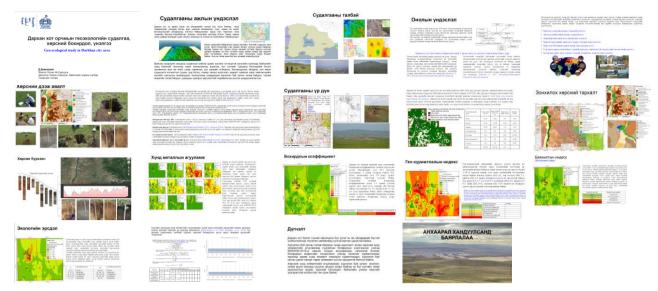
TUESDAY

27 SEPTEMBER

TIME

11-13 AM

Doctor D.Davaadorj "Geo-ecological study I Darkhan city area"



Doctor E.Narankhuu "Evaluation of the natural landscape aesthetic: cas estudy of Uvs province, Mongolia"



Appendix 6. 17 October 2022

Research online seminar link: https://youtu.be/ANLOkaEAlFg



















JOINT RESEARCH ONLINE SEMINAR

ULAANBAATAR, MONGOLIA BETWEEN FEBRUARY AND DECEMBER, 2022



S.OYUNTUYA

WORKS:
NATIONAL GARDEN PARK,
DENDROLOGIST
NATIONAL GARDEN PARK, PRODUCTION AND
GREEN BUILDING DEPARTMENT.
EDUCATION: 2012 – 2014 STUDY OF
NATIONAL UNIVERSITY OF MONGOLIA,
DEGREE OBTAINED: MSC



E.ENKHTUUL

Master of industrial and ecological engineering, works in the Urban Planning and Research Institute as a specialist of environment, land ecology and economics in the Master Plan Monitoring and Evaluation Division.

TOPIC: AIR LAYERING TREES TOPIC:
IMPACT OF URBAN HEAT ISLAND ON THE
ENVIRONMENT

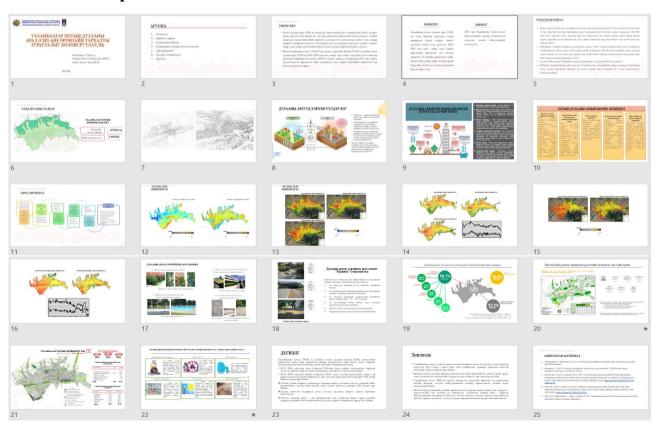
DATE
MONDAY
17 OCTOBER

TIME 11-13 AM

S.Oyuntuya "Air layering trees"



E.Enkhtuul "Impact of urban island on the environment"



Appendix 8. 21 November 2022

Research online seminar link: https://youtu.be/wdJaIKPLXpk



















JOINT RESEARCH ONLINE SEMINAR

ULAANBAATAR, MONGOLIA BETWEEN FEBRUARY AND DECEMBER, 2022



D.BATSUREN

Doctor (Ph.D), Associate Professor,
National University of Mongolia.
Research Interest: Ecohydrological
Processes, Hydrological cycle,
Water and Climate Change, Risk of
Pollutants, Environmental management,
Waste management, Protect the
Environment.



D. KHULAN

Mongolian Certified Architect in Urban Planning, works in the Urban Planning and Research Institute as a senior specialist in urban development, social and economic research division.

TOPIC: TREND ANALYSIS OF HYDRO-CLIMATE VARIABLES IN LAKE BAIKAL BASIN

TOPIC: URBAN DESIGN-APPEARANCE OF ULAANBAATAR CITY OF MONGOLIA.

DATE

MONDAY

21 NOVEMBER

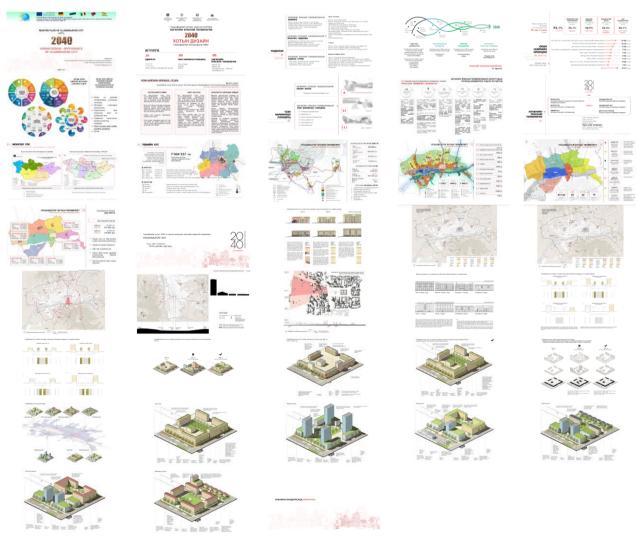
TIME

11-13 AM

Doctor D.Batsuren "Trend analysis of hydro-climate variables in lake Baikal basin"



D.Khulan "Urban design-appearance of Ulaanbaatar city of Mongolia"



Appendix 9. 19 December 2022

Research online seminar link: https://youtu.be/6l-h-rJEN4k



















JOINT RESEARCH ONLINE SEMINAR

ULAANBAATAR, MONGOLIA BETWEEN FEBRUARY AND DECEMBER, 2022



B. BATDELGER

Doctor (Ph.D), Associate Professor,
National University of Mongolia.
Research Interest: Air pollution,
Assessment, and risk of pollutants of
Environmental Polycyclic Aromatic
Hydrocarbons, Environmental audit



D. ENKHTUUL

MS of Biological Sciences,
Lecturer at Khovd Branch School of
National University of Mongolia.
Research area: botany and health.

TOPIC:

HEALTH RISK ASSESSMENT,
AND CONTAMINATION OF HEAVY METALS
IN STREET DUST OF ERDENET CITY,
MONGOLIA

TOPIC:

GREEN FACILITY OF THE KHOVD CITY

DATE

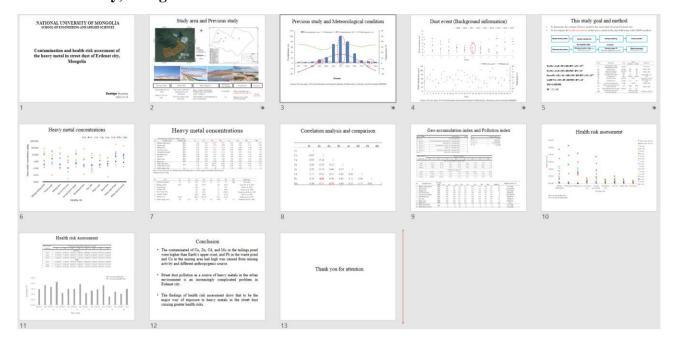
MONDAY

19 DECEMBER

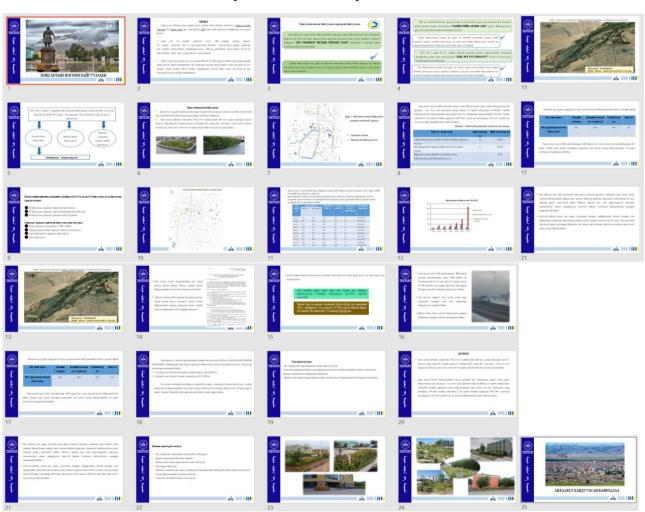
TIME

11-13 AM

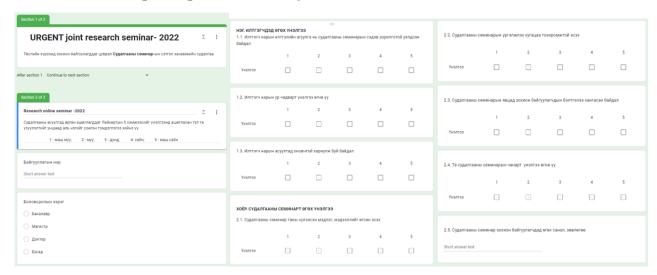
Doctor B.Batdelger "Health risk assessment and contamination of heavy metals in street dust of Erdenet city, Mongolia"



Master D.Enkhtuul "Green facility of the Khovd city"



Questionnaires for participants about the joint research seminar.



Totally 20 participants were fill out the questionaires which devleoped for the participants about the joint research seminar.

50% of the respondents had a doctor degree, 20% had a master degree, and 30% had a bachelor's degree.



Diagram 1: Educational level of the respondents

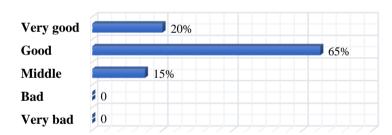


Diagram 2: Evaluation for speakers

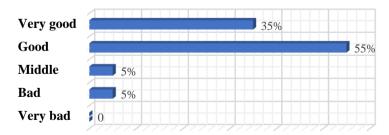


Diagram 3: Rating for speakers skills

Diagram 4: Did the research seminar deliver the knowledge and information you expected?

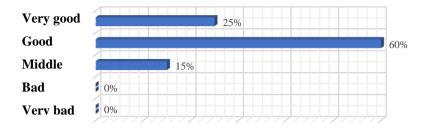


Diagram 5: Whether the duration of the research seminar was appropriate.

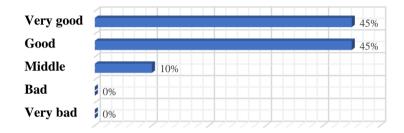


Diagram 6: Preparedness of the organizers during the research seminar.

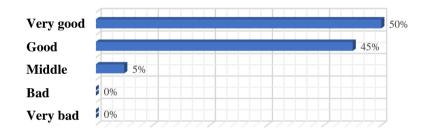
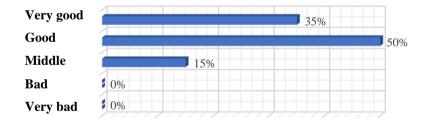


Chart 7: How would you rate the quality of the research seminar?



Suggestions and advice for research workshop organizers:

- Involve more people
- Increase stakeholders

Report written by:

Doctor D.Banzrgch /MULS/

Doctor S.Odongerel /MULS/