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## **Session 1: T1.1, T2.4, T2.5, T3.2, T3.3, T3.4, T4.1, T4.3, T4.4, T5.1, T5.3**

*Tuesday, 25 June 2019 16:30 (3h 45m)*

### Topic T1.1 Atmospheric Dynamics

T1.1-P1 Anak Krakatoa Volcano Eruption Identification Using IMS Infrasound Data

T1.1-P2 Analysis of multiple detections of May 2011 Grímsvötn (Iceland) eruptive activity at different IMS infrasound stations and its correlation with local observations

T1.1-P3 Analysis of multiple detections of Mount Etna eruptive activity at different IMS infrasound stations compared with near source observations

T1.1-P4 Application of Information Technologies for Detecting, Analyzing & Determining the Atmospheric Dynamics

T1.1-P5 ARISE project: Infrasound monitoring for civil applications

T1.1-P6 Assessing middle atmosphere weather models using LiDAR and ambient noise: a case study for IS02

T1.1-P7 Atmospheric Dynamics

T1.1-P8 Characterizing ocean ambient noise using infrasound network

T1.1-P9 Climate Change Impact & Adaptation Studies using Radionuclide Data

T1.1-P10 CORAL – An autonomous middle atmosphere lidar in southern Argentina

T1.1-P11 Estimating tropospheric and stratospheric large-scale wind components using infrasound from explosions

T1.1-P12 EUNADICS-AV tracer experiment: Modelling and model evaluation

T1.1-P13 Filling a gap in the wet scavenging scheme in FLEXPART 10.3

T1.1-P14 IDC Infrasound technology developments

T1.1-P15 Improving propagation-based, stochastic models for Bayesian infrasonic localization and characterization

T1.1-P16 Improving the infrasound monitoring capability in Europe incorporating CEEIN

T1.1-P17 Infrasound monitoring for global climate model calibration: a two-way collaboration

T1.1-P18 Infrasound propagation in multiple-scale random media using surrogate models

T1.1-P19 Large events recorded at the IMS infrasound network

T1.1-P20 Large-Scale Gravity Current Over the Middle Hills of Nepal Himalaya

T1.1-P21 Look-up tables with empirical climatologies for infrasound detection, location, and characterization of long range volcanic eruptions

T1.1-P22 On the use of infrasound observations from volcanoes for improving the weather forecasts

T1.1-P23 Probabilistic predictions and uncertainty estimation using adaptively designed ensembles for radiological plume modeling

T1.1-P24 Suspended Particulate Matter condition in Indonesia on the period 2015-2017

T1.1-P25 Temporal variations of the intensity spectra of atmospheric pressure fluctuations in different frequency ranges and their possible connection with climate change

T1.1-P26 The Global and Coherent Infrasound Field: Revisiting the Reprocessing of the Full International Monitoring System Infrasound Data, Part 1: Processing

T1.1-P27 The Global and Coherent Infrasound Field: Revisiting the Reprocessing of the Full International Monitoring System Infrasound Data, Part 2: Examples

T1.1-P28 The Influence of Tropospheric Ducts on Long Range Infrasound Propagation

T1.1-P29 Tropical Cyclones Activity in Southwest Pacific and Their Link to ENSO and Sunspot

T1.1-P30 Using infrasound mobile array (I68CI) data to characterize tropical thunderstorm over West Africa

### Topic T2.4 Atmospheric and Subsurface Radionuclide Background and Dispersion

T2.4-P1 Aerosol dynamics and dispersion of radioactive particles

T2.4-P2 Application of source detective system for a Fukushima accident

T2.4-P3 Argon-37 variability in the low troposphere

T2.4-P4 Assessment of Radionuclides Present in Atmospheric Aerosol in Dar Es Salaam, Tanzania by using Gamma-ray Spectrometry

T2.4-P5 Atmospheric Dispersion and Ground Level Deposition of Cs-137 Released From Chernobyl Nuclear Power Plant Accident

T2.4-P6 Atmospheric dispersion assessment of radioxenon after North Korea's 6th nuclear test using LADAS model

T2.4-P7 Atmospheric Dispersion during Normal & Accidental Release in Jordan Research and Training Reactor

T2.4-P8 Atmospheric Dispersion for Gaussian Straight Line Plume Model During Normal & Accidental Release

T2.4-P9 Atmospheric Dispersion of Radionuclides from the Fukushima Nuclear Power Plant and Comparison with CTBTO Station Observations

T2.4-P10 Atmospheric Dispersion of Radionuclides Originating from Hypothetical Accidents and Normal Operation in Research Reactors and Medical Production Facilities

T2.4-P11 Atmospheric Dispersion of Radionuclides Originating from Hypothetical Accidents at Rooppur Nuclear Power Plants in Bangladesh

T2.4-P12 Atmospheric Radioactivity over State of Kuwait: fission and activation radionuclides availability and concentrations during the last five years.

T2.4-P13 Atmospheric Transport Modelling for dispersion conditions after the DPRK 2017 nuclear test and the origin of regional xenon detections

T2.4-P14 Atmospheric transport study of Japan noble gas systems

T2.4-P15 Backward atmospheric transport modelling coincidence localization of single sources and repeating emitters

T2.4-P16 Characterization and evolution of global Xe background between 2016 and 2018

T2.4-P17 CTBTO IDC data and products use in case of elevated levels of atmospheric beta activity in Bulgaria

T2.4-P18 Development of Compact Xenon Adsorption System for Medical Radioisotope Production Facilities to Mitigate Global Radioxenon Background

T2.4-P19 Devices to Reduce Emission of Radioactive Noble Gases via Hydrogen

T2.4-P20 ECMWF data sets as input for the ATM FLEXPART prepared by a new version of the flex\_extract tool

T2.4-P21 Establishment of the National Baseline Using Data from IDC

T2.4-P22 Estimation of the CTBT-Relevant Radionuclides Sources by ensemble Adjoint Atmospheric Transport modeling

T2.4-P23 Estimation of xenon background for the IMS stations located in the Pacific Ocean

T2.4-P24 Evaluating different alternative sites for an IMS stations

T2.4-P25 Fractional Release of Argon from Activated Rocks and Powders

T2.4-P26 Global Observations of radioiodine by the CTBT International Monitoring System

T2.4-P27 Global radioxenon emission inventory for 2014 by normal operational releases from nuclear power plants and medical isotope production facilities

T2.4-P28 Hemispheric atmospheric dispersion analysis of radionuclides released from the Fukushima Daiichi Nuclear Power Plant

T2.4-P29 How the UK National Data Centre utilises Stack monitoring data in support of the Comprehensive Nuclear Test-Ban Treaty

T2.4-P30 Impact of CRL shutdown on CTBTO North-American noble gas stations

T2.4-P31 Impacts of the Thorium-based Nuclear Fuels to the CTBTO Monitoring System

T2.4-P32 Impacts of Tropical Climate on Radioactivity Measurement in Particles Collected at the Recently Certified RN65, Thailand

T2.4-P33 Inhalation Dose Assessment of  $^{212}\text{Pb}$  and  $^7\text{Be}$  using Data of IMS RN65

T2.4-P34 Introducing geomechanics and discrete fracture capabilities into STOMP to understand the first 10-100m of UNE signal transport.

T2.4-P35 Inverse modelling applied to the Xe-133 background

T2.4-P36 Investigation of emission of  $^{37}\text{Ar}$  from all nuclear research reactors worldwide

T2.4-P37 Investigation of specific historical radioxenon background detections in the IMS

T2.4-P38 Isotopic signature of radioargon released from the FRM-II reactor

T2.4-P39 Magmas in nuclear cavities and their potential effects on the source term and its migration

T2.4-P40 Measurement of radioargon and radioxenon in soil gas

T2.4-P41 MEDICAL ISOTOPE PRODUCTION IN ARGENTINA: STATUS OF THE CONSTRUCTION OF RA-10 RESEARCH REACTOR

T2.4-P42 Model-based assessment of radionuclide migration in the geosphere by using different type of data - Northern Bulgaria case study

T2.4-P43 Nb-95 and Zr-95 Background from IMS particles stations

T2.4-P44 Noble gas signature adsorption in a UNE – bridging the gap between laboratory and field scale models

T2.4-P45 Plants as Indicators of Radioactive Contamination at Nuclear Test Sites  
T2.4-P46 Progress over 2014 baseline on the match between observations and simulations of radioxenon concentrations at IMS stations  
T2.4-P47 Radioactive-xenon background information from International monitoring system for CTBT verification purpose  
T2.4-P48 Radioactivity characteristics of atmospheric aerosol samples in Guangzhou  
T2.4-P49 Radionuclides Monitoring along the Brazilian Coast  
T2.4-P50 Revisiting Assessment of Radioactive Gases Emanated in the Storage Area of Spent Nuclear Fuel at BN-350 Reactor  
T2.4-P51 Risk estimates migration of radionuclides after flooded Klivazh facility  
T2.4-P52 Statistical Study of the Atmospheric Background and Anomalous Values of the Radioxenon Activity Concentrations at some IMS Stations  
T2.4-P53 Tajikistan and CTBTO  
T2.4-P54 The characteristic release of noble gases from an underground nuclear explosion  
T2.4-P55 The Rapid Radionuclide Isotopic Ratio Determination Technique to Assess Nuclear Event Debris  
T2.4-P56 Trends in worldwide background of CTBT-relevant xenon isotopes based on IMS data  
T2.4-P57 Validation study of the Flexpart-WRF model with episodes of Xe-133 releases and detections in Europe

Topic T2.5 Historical Data from Nuclear Test Monitoring

T2.5-P1 A catalogue of nuclear test explosions recorded by Slovak National Network of Seismic Stations  
T2.5-P2 A Comprehensive Central Asia Seismological Bulletin  
T2.5-P3 Detectability of the UNE Wigwam by radionuclide stations of today's IMS  
T2.5-P4 Digitization of Soviet Era Peaceful Nuclear Explosion Seismograms From Regional Stations  
T2.5-P5 DIGITIZED USSR PEACEFUL NUCLEAR TESTS  
T2.5-P6 Discrimination of Nuclear Explosions and Earthquakes at Regional Distances for the Lop Nor Test Site According to the KNET Network Data  
T2.5-P7 HISTORICAL RECORDS OF NUCLEAR EXPLOSIONS IN ARCHIVES OF THE INSTITUTE OF GEOPHYSICAL RESEARCH  
T2.5-P8 New Stage of Works on Nuclear Explosions Historical Records Digitization  
T2.5-P9 Nuclear Test Monitoring History in the North-East of the USSR  
T2.5-P10 SEMIPALATINSK TEST SITE USAGE FOR EFFECTIVENESS CHECK OF NEW DETECTION METHODS OF UNDERGROUND NUCLEAR EXPLOSIONS  
T2.5-P11 THE HISTORY OF DIGITAL SEISMIC STATIONS IMPLEMENTATION IN USSR FOR THE NUCLEAR EXPLOSIONS REGISTRATION  
T2.5-P12 Waveforms From Nuclear Explosions (WFNE)

Topic T3.2 Laboratories Including Mobile and Field Based Facilities

T3.2-P1 Accuracy of particulate sample analysis with a BEGe detector  
T3.2-P2 Developing a laboratory-based beta-gamma coincidence detection system  
T3.2-P3 Efficiency improvement of gamma-spectroscopy on environmental sample  
T3.2-P4 Efficiency of ion exchange columns for precipitation sampling  
T3.2-P5 Further development of the SAUNA-FIELD system for rapid deployment and improved operation.  
T3.2-P6 Quality assurance for the OSI Field Radionuclide Laboratory  
T3.2-P7 Radioxenon spiked air for field testing  
T3.2-P8 RAPID DETERMINATION OF  $^{239/240}\text{Pu}$ ,  $^{90}\text{Sr}$ , AND  $^{241}\text{Am}$  AS ENVIRONMENTAL RADIATION MONITORING OF NUCLEAR ACCIDENTS/ CTBT EVENT USING EXTRACTION CHROMATOGRAPHY METHOD IN INDONESIA  
T3.2-P9 Status and results of Xenon Proficiency Test Exercises

Topic T3.3 Remote Sensing, Satellite Imagery and Data Acquisition Platforms

T3.3-P1 A New Method to Identifying Radioactivity in the Region of Infrared  
T3.3-P2 An Integrated GIS-Remote Sensing based Application of Analytical Hierarchy Process and Socio-demographic Aspect to Landslide Susceptibility Mapping at Rawalakot, Azad Jammu Kashmir, Pakistan.  
T3.3-P3 Application of Weather Radar Data for Volcanic Ash Dispersion of Anak Krakatau Eruption on 27 December 2018  
T3.3-P4 Applying Multispectral and Hyperspectral Imagery Analysis to Monitor and Verify Front-end Uranium Production  
T3.3-P5 Comparison of Satellite Earth Observation and Seismic data to analysis the effect of Nuclear Tests in 2017 North Korea.  
T3.3-P6 Deployment of Unmanned Aerial Vehicle (UAV) technology for nuclear disarmament: A responsible innovation perspective  
T3.3-P7 Design and construction of an OSI airborne techniques simulator  
T3.3-P8 Improvements to the Standard Station Interface (SSI) software: State of Health and Authentication with ECDSA  
T3.3-P9 Optimizing the OSI Operation by Employing Drone Mounted Aerial Gamma Monitoring System

T3.3-P10 Potential Ways for Optimization of Multispectral including Infrared (MSIR) Imaging for On-Site Inspection (OSI)

T3.3-P11 Several key COTS equipments' potential application to CTBTO OSI

T3.3-P12 The Significance of Publicly Available Commercial Satellite Imagery for Monitoring Nuclear Weapons Nonproliferation and Natural Disasters.

Topic T3.4 Augmented Reality and Fusion of Data from Different Monitoring Technologies

T3.4-P1 Data Fusion of Electromagnetic and Infrasound Measurements

T3.4-P2 Detection and interpretation of explosive events by seismic and infrasound networks of Ukraine

T3.4-P3 Detection and Location of an Earthquake Using Seismic, Infrasound and Hydroacoustic Data: A Case Study of Botswana

T3.4-P4 Introducing m-Science Systems for Engaging Broader Community to the Needs of Nuclear Test Monitoring and Verification

T3.4-P5 National Seismic Network of Samoa

T3.4-P6 Seismo-Acoustic Study in Israel

Topic T4.1 Network Optimization

T4.1-P1 Troubleshooting Indonesian CTBTO stations

T4.1-P2 Bulgarian NDC and network – new achievements and challenges

T4.1-P3 Challenges of solving environmental problems to optimize data availability at the RN13 Station

T4.1-P4 Comparison of weather data of RN61 station with data of two stations belonging to “Weather Underground” system and suggestions for improvement of current RN61 meteorological observations

T4.1-P33 Next Generation Power Systems of CTBTO's International Monitoring System (IMS)

T4.1-P5 Cyber security Analysis on Satellite Network Vulnerability

T4.1-P6 Designing the Control System for Air Conditioning and Dehumidifier to Optimize the Performance of Gamma Spectrometer at RN42 Station

T4.1-P7 Fair Spectral Access in Cooperative Cognitive Radio Networks

T4.1-P8 Free-Space-Optical communication as back up in case of non functioning of the GCI-III.

T4.1-P9 Geodynamic network of seismic and volcanic monitoring OVSICORI-UNA a possibility of data integration with the Costa Rica National Data Center (NDC-CR)

T4.1-P10 Geography information system capabilities: GeoEvent method to improve network optimization of CTBTO Operation data

T4.1-P11 Ghana's experience in the establishment of a national digital seismic network observatory

T4.1-P12 GLOBAL COMMUNICATION INFRASTRUCTURE; GCI 2 TO GCI 3, THE CASE STUDY FOR ZAMBIAN AS-119

T4.1-P13 Implementation of a QA/QC programme for noble gas monitoring in the IMS network

T4.1-P14 Implementing Process Oriented Knowledge Management: Lessons learned from an application in the OPCW

T4.1-P15 IMS Station Management in Argentina

T4.1-P16 Infrasound Detection Capability Improvement on Noise Reduction System

T4.1-P17 Key factors that improved Data Availability at IMS RN stations

T4.1-P18 Maintenance visit to radionuclide station FJP26 and auxiliary seismic station AS031/MSVF

T4.1-P19 Major upgrade at IS41 Villa Florida, Paraguay

T4.1-P20 New High Quality VBB Borehole Sensor Upgrades and Additional Atmospheric Sensors at Global Seismographic Network (GSN) Stations

T4.1-P21 Optimizing Logistics Performance in the Pre-mortem Conditions of Global Verification Regime's Logistics Activities.

T4.1-P22 Overview of the seismic observation network of the Ukrainian National Data Center

T4.1-P23 Parallel Processing in the GDMS Analysis Pipeline

T4.1-P24 Power Quality and Generator Monitoring

T4.1-P25 Real-Time Earthquake Monitoring at LSZ 119 in Zambia

T4.1-P26 Redesign and Overhauling of the AS001/CFA Station

T4.1-P27 Seismic station control

T4.1-P28 Site selection for seismic Broadband station installation (CGS seismic BB National Network)

T4.1-P29 The CTBTO Radionuclide Monitoring Station PHP52: Current Status and Future Strategies for Performance Optimization for Treaty Verification and Scientific Research

T4.1-P30 THE MONITORING OF AN AUXILIARY STATION OF IMS SYSTEM- KOWA STATION IN MALI.

T4.1-P31 The New Botswana Seismological Network (BSN): Developments in detection of seismic events in Southern Africa and beyond

T4.1-P32 Upgrading of PS11 and establishment of IS12 as well as the National Data Centre of Bangui Project in Central African Republic

Topic T4.3 Enabling Technologies

T4.3-P1 A system for radiometry monitoring at IMS Radionuclide Station

T4.3-P2 CTBTO Link to the ISC Database

T4.3-P3 CTBTO's Seismic Data Products

T4.3-P4 Development of Information Technologies at Kazakhstan National Data Centre (KNDC) in support of the CTBTO

T4.3-P5 Expanding National Data Centres to provide High Performance Computing (HPC)

T4.3-P6 Improved Method for the Testing and Verification of the Sierra Instruments 620S Mass Flow Meter

T4.3-P7 Low cost transmission and State of Health for NDC's

T4.3-P8 MQTT Protocol for SOH monitoring at Colombian Geological Survey

T4.3-P9 NDC in the Cloud: Example of performing seismic processing in the cloud

T4.3-P10 Quantifying the State of Health of a detection system remotely with LabPulse

T4.3-P11 Temporary Installation of Seismo Wave MB3d with Raspberry Pi at Nanyang Technological University

Topic T4.4 Performance of the Full Verification System

T4.4-P1 A framework for performance optimization

T4.4-P2 An Assessment of XSEL Bulletin as Produced through the Cross Correlation Technique

T4.4-P3 Build up Exercises to Validate OSI Capability Development

T4.4-P4 Data Availability and Quality at IMS Stations and Local Networks

T4.4-P5 Effective Management of OSI Equipment and Software

T4.4-P6 High-density configuration experiment of noble gas measurement systems in Japan

T4.4-P7 National Data Centre Preparedness Exercise 2017 - Exploring real IMS data for casual connections

T4.4-P8 Quality assessment of REB through comparison with NEIC bulletin for the month of September 2018

T4.4-P9 Quantifying uncertainties and confidence level in ATM simulations

T4.4-P10 Quantifying uncertainties in the Atmospheric Modelling (ATM) simulations resulting from different emission time resolution

T4.4-P11 Successes in improving Data Availability to RN station with long term issues

T4.4-P12 The Contribution of periodic testing and evaluation to the improvement of performance of the CTBT Verification System

T4.4-P13 The CTBTO/PTS Operations Centre

T4.4-P14 The Role of Quality Assurance to Improve the Performance of Nuclear Research

Topic T5.1 Science in Policy Discussions and Lessons Learned from Other Arms Control Agreements and Arrangements

T5.1-P1 An Evaluation of Environment and Humanitarian Consequences of Nuclear Tests in French Polynesia

T5.1-P2 Computer-Simulated Nuclear Tests and the CTBT: Catalyst for Entry-Into-Force (EIF) or Impediment?

T5.1-P3 CTBT Entry into Force: Breaking the Stalemate

T5.1-P4 Leveraging the CTBT's verification provisions for promoting entry-into-force

T5.1-P5 On-Site Inspection: A Multidimensional Example of Science Diplomacy

T5.1-P6 Strengthening the NPT through CTBT entry-into-force: is there a link between the Comprehensive Test-Ban Treaty and the Non-Proliferation Treaty?

T5.1-P7 Testing Customs: the CTBT and Customary International Law

T5.1-P8 The Development of Arms Control Agreements and Arrangements

T5.1-P9 Toward a Non-Nuclear World: The NPT Regime - Nuclear Disarmament and the Challenge of a WMD/FZ in the Middle East

T5.1-P10 Turning Science Into Policy: Lessons from Global Security Frameworks and Treaties

Topic T5.3 Capacity Building, Education and Public Awareness

T5.3-P1 20 Years of Participations in CTBTO activities

T5.3-P2 Awareness activities related to CTBT undertaken by HANEA

T5.3-P3 Awareness of the Radionuclide Monitoring Technology for Myanmar's students

T5.3-P4 Capacity Building and Public Awareness Creation by National Data Centre in Ghana, West Africa

T5.3-P5 Capacity Building for Expertise for Non-Proliferation Rules and Instrument

T5.3-P6 Capacity Building in Central Asia to Monitor the CTBT

T5.3-P7 Capacity Building System National Data Centre Suriname

T5.3-P8 Challenges and Prospects for CTBT in Pakistan

T5.3-P9 Challenges to innovative solutions, transparency and application of verification technologies in Non-Signatory, Annex 2 states in the modern era.

T5.3-P10 Cloud platform as instrument to enhance capabilities of remote users (data processing and training)

T5.3-P11 Comprehensive Test Ban Treaty and the Non-Proliferation Regime

T5.3-P12 Contending the Security Dilemma: Policy and Science

T5.3-P13 CTBT Acceptance, A Counterintuitive Approach to the CTBT

T5.3-P14 CTBT and Evolving Nuclear Order

T5.3-P15 CTBT Enforcement

T5.3-P16 CTBT the next global agenda toward peaceful planet

T5.3-P17 CTBT-SDGs-Innovation-Challenge: Building resilient communities through CTBT science information sharing

T5.3-P18 CTBTO Educational Programme and Sustainable Development Goal 5 in Nigeria

T5.3-P19 CTBTORS the global heroes of sustainability: A collaborative online game for schools and citizens

T5.3-P20 Curriculum Development on CTBTO Verification Regime

T5.3-P21 Deploying a Radionuclide Monitoring Station in Kazakhstan

T5.3-P22 Engaging Young Generation: The Case of Ural Federal University in Russia

T5.3-P23 ENHANCING PUBLIC AWARENESS OF THE CTBTO/ CTBT USING SOCIAL MEDIA

T5.3-P24 Equipping the Next Generation of Nuclear Explosion Watchers - CTBT Educational Materials a Useful Resource

T5.3-P25 Establishment of an academic and research network under the CTBTO umbrella

T5.3-P26 Estimation of Ionizing Radiation Risk and their Effects as a Method of Approach to Data Products

T5.3-P27 Evidence based proposition to make IMS and IDC data available for use through climate change education in the context of education for sustainable development, promoting peace and climate Change Resilience in Africa.

T5.3-P28 Extended-NDC-in-a-Box experience at the Israel National Data Center

T5.3-P29 Feminist Perspective on Disarmament

T5.3-P30 Goal 9. Built resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation.

T5.3-P31 How the CTBTO Activities increases and develops the NDCs technical staffs Knowledge, experiences and skills, JO-NDC as an example

T5.3-P32 Implementation of Capacity Development and Public Awareness for CTBT verification regime in Myanmar

T5.3-P33 Implementation of Research and Development Obligations of the Republic of Kazakhstan on CTBT

T5.3-P34 In a Hope of Non Nuclear World

T5.3-P35 Inclusive approaches and multi levels team building impacts on increasing the IMS and NDC facilities availabilities: a case study of Senegal

T5.3-P36 Increasing Role of the CTBT

T5.3-P37 Internal Management Software for Station Managers

T5.3-P38 International Outreach and Training on the Regional Seismic Travel Time (RSTT) method

T5.3-P39 It is not about the “know-how”, it is about “why” and “how-to” spread the knowledge.

T5.3-P40 KAIST NEREC for developing human capital for global nuclear nonproliferation

T5.3-P41 Make CTBT Known to the Young, the Public, the Media and the Decision-makers

T5.3-P42 Monitoring Compliance with the CTBT – Contributions by the German NDC

T5.3-P43 Myanmar’s Activities for Nuclear Weapons free World

T5.3-P44 National Data Centre’s Training Cycle Approach

T5.3-P45 NDC Establishment and Operation

T5.3-P46 NNRA Information Dissemination Strategies

T5.3-P47 NON-PROLIFERATION CULTURE AS A SUBJECT FOR MASTER DEGREE CURRICULUM IN TECHNICAL UNIVERSITY OF MOLDOVA

T5.3-P48 Plan to develop CTBTO network in Vietnam

T5.3-P49 PREVALENCE OF LYMPHOCYTE ALTERATION AND EXPOSURE TO LOW LET RADIATION

T5.3-P50 Promoting Civil and Scientific Applications of International Monitoring System (IMS) Data and Spin-offs

T5.3-P51 Promoting the Comprehensive Nuclear-Test-Ban Treaty (CTBT) through Stakeholder Engagement Programmes: Malaysia’s Experience

T5.3-P52 Proposal for a Clean and Sustainable Energy Policy in Bolivia

T5.3-P53 Public awareness and safety

T5.3-P54 Raising Awareness about the relationship between the CTBT and TPNW

T5.3-P55 Raising awareness of nuclear nonproliferation through the Capacity Building System (CBS) in Iraq NDC

T5.3-P56 Raising Public Awareness of the CTBT: Measuring Success, Addressing Challenges

T5.3-P57 Regional Training Centre- South African perspective

T5.3-P58 Role of CTBT in order to achieve SDG

T5.3-P59 Saving lives through Third Stream activities and fulfilling CTBT objectives

T5.3-P60 Stations Network of the Cuban Seismological Service

T5.3-P61 Strengthening Nonproliferation Norms in South Asia

T5.3-P62 Technical support provided to States Parties and its impact On process of promoting ratification of Treaty

T5.3-P63 The Application of International Monitoring System Data (IMS) and International Data Centre (IDC) Products at the Jordanian National Data Centre

T5.3-P64 The CTBT's Relevance to the SDGs: A Virtual Education Platform for Capacity-Building

T5.3-P65 The education and public awareness of the CTBT through web application Mexico

T5.3-P66 The effect of art students' awareness of nuclear weapons on their artistry.

T5.3-P67 THE IMPORTANCE OF COORDINATION OF SCIENTIST AND POLICY MAKERS

T5.3-P68 The importance of promoting the CTBT locally and the benefits of doing so

T5.3-P69 The Italian CTBTO CNF: readiness test status

T5.3-P70 The Necessity of Academia-Industry-Political for Nuclear Awareness

T5.3-P71 The Role Media Can Play in Raising Awareness of the CTBTO Goals

T5.3-P72 The role of Member States in providing insight into the substance of the CTBT: the linkage between ARN and the local community

T5.3-P73 The use and importance of IDC products at the NDC Suriname

T5.3-P74 The Youth of 2019: A Different Voice

T5.3-P75 Toward an Open Access, On-line Educational Resource for Nuclear Weapons and Arms Control Awareness and Education: Insights and Lessons from Learning Analytics

T5.3-P76 Travelling School

T5.3-P77 Two Courses on Comprehensive Nuclear-Test-Ban Treaty: Political, Legal and Technical Aspects' and Intensive Policy Course on "Comprehensive Nuclear Test Ban Treaty: Political, Legal and Technical Aspects"

T5.3-P78 UGM as The Indonesia's Potential for CTBT Science and Technology Education, Research, and Development

T5.3-P79 Understanding of Nuclear-Weapons-Related Issues Among Practitioners in Indonesia

T5.3-P80 Utilisation of IMS data for better monitoring of nuclear objects in Lithuania and adjacent countries

T5.3-P81 Verification Regime Versus Sustainable Development Goals: How Can Ghana Benefit From The Radionuclide Technology In Achieving Sustainable Development Goals

T5.3-P82 Wake up Pakistan!

T5.3-P83 West African Countries Collaborate on the Promotion of Joint Research Projects and CTBT Academic Curricula

T5.3-P84 Why Young People Win