

Poster Session: T1.2, T1.3, T1.4, T2.1, T2.2, T2.3, T3.1, T3.5, T5.2

Wednesday 26 June 2019 16:30 (4 hours)

Topic T1.2 Solid Earth Structure

T1.2-P1 22 New Focal Mechanism Solutions for Shallow Earthquakes and Stress Observations for Bolivia (Plurinational State of).

T1.2-P2 3D Dynamic Earthquake Fracture Simulations Considering the Nonplanar Fault Geometry and Heterogeneous Stress States in the Sea of Marmara

T1.2-P3 A comparative study on the tectogenesis of 2015 Mt. Kinabalu Earthquake of Sabah Malaysia and tsunamigenic 2018 Sulawesi Indonesia Earthquake

T1.2-P4 A computer code for determining composite focal mechanism solutions

T1.2-P124 SALSA3D software tools for model interrogation, event location and travel-time

T1.2-P5 A THREE-DIMENSIONAL CRUSTAL VELOCITY MODEL OF THE JAVAKHETI HIGHLAND FROM LOCAL EARTHQUAKE TOMOGRAPHY

T1.2-P6 African Geodetic Reference Frame and First Results from GNSS Networks in Africa

T1.2-P7 Amplification of Earthquake Magnitude and Sediment Thickness Correlation in Palu Region and Surrounding Areas

T1.2-P8 An active tectonics of the Tien Shan and Dzungaria

T1.2-P9 An improved velocity model for routine hypocenter location in Central Brazil

T1.2-P10 Analysis of Earthquake Swarm around Mamasa, Central Sulawesi, Indonesia Following the Palu Earthquake Mw 7.4 (September 28, 2018)

T1.2-P11 Analysis of Time Domain Airborne Electromagnetic (TDEM) Data for Evaluating Gold Mineralization Potential of Ilesha Schist Belt, Southwestern Nigeria

T1.2-P12 Analysis of unusual seismic events in northwestern Madagascar

T1.2-P13 Are we able to detect viscoelastic inconsistencies in the Earth?

T1.2-P14 Armenian Seismic Network and Earthquake Catalogue

T1.2-P15 Changes of seismic structure beneath Jailolo region during June-July 2017 inferred from P-Wave Tomography

T1.2-P16 Clustering Geometry of Aftershocks in Earthquakes

T1.2-P17 Comoro-Islands, source of May-June 2018 earthquake swarm in the east of Mayotte-Island

T1.2-P18 Comparison of Mainshock and Aftershock Energy Release (Case Study: Earthquake in Sumatera and Java Subduction)

T1.2-P19 Contribution of local, sub-regional and international network to earthquake mapping of Côte d'Ivoire

T1.2-P20 Crustal Composition and Moho Characteristics Beneath Northern African Region: New contribution for seismic Hazard Assessment

T1.2-P21 Crustal seismic structure of Gheshm region, southeast Iran

T1.2-P22 Crustal Structure and Seismogenic Zone of Cameroon: Integrated Seismic, Geological and Geophysical Data

T1.2-P23 Crustal structure of some tectonic regions in west Africa

T1.2-P24 Crustal Structure Study in Mongolian Altai

T1.2-P25 Crustal thickness estimates beneath four seismic stations in Ethiopia inferred from p-wave receiver function studies

T1.2-P26 Data base from a seismic network to monitor the 2018 enhanced geothermal system stimulation in Espoo/Helsinki, Finland.

T1.2-P27 Deformational style in North-Western part of the Punjab Foreland

T1.2-P28 Detailed Hypocenters Relocation With High Resolution Analysis on Tripa Fault

T1.2-P29 Discriminating between induced, triggered and natural seismicity

T1.2-P30 Dissecting hearts of the continent in southern Africa using first P-wave tomography based on local, regional, and mining-induced earthquakes

T1.2-P31 Earthquake and Radioactivity, its Application in Indonesia

T1.2-P32 EARTHQUAKES RE-LOCATION, GT EVENTS IDENTIFICATION AND PSHA IN PARTS OF SUBSAHARAN AFRICA TO BOOST CTBT'S VERIFICATION CAPABILITY AND ITS SCIENTIFIC APPLICATIONS

T1.2-P33 Estimation of 2D and 3D shear wave velocity structure of crust and upper mantle of Northern part of Iranian plateaus

T1.2-P34 Estimation of Local Site Effects Using Microtremor Testing in Erdenet City

T1.2-P35 Estimation of moho depth under the MDT seismic station (Midelt, Morocco) using receiver function technique.

T1.2-P36 Estimation Sources, Path and Site Effects from 2018 Lombok Earthquakes Sequences

T1.2-P37 Flow plane orientation in the upper mantle under the United States from SKS shear-wave splitting observations

T1.2-P38 Fractal analysis applied to the seismicity of Azerbaijan

T1.2-P39 Geomagnetic Calculator over the Indonesian Region Based on Geomagnetic BMKG Data

T1.2-P40 Geometrical definition of the Boconó fault in the sector Las Gonzalez Mérida, from the simultaneous relocation of seismic events occurring in a burst of seismicity during 2015-16

T1.2-P41 Gravity Derived Crustal Thickness Map of Botswana: Implication to the Mw 6.5 April 3, 2017, Botswana Earthquake

T1.2-P42 Ground response of Kathmandu Valley Sediments during 2015 Gorkha Earthquake

T1.2-P43 Heterogeneities of short-period S wave attenuation field in the earth's crust and uppermost mantle of the Eastern Tien Shan

T1.2-P44 How complex is seismically active "Deren" area, 180km south of Ulaanbaatar?

T1.2-P45 Imaging the crustal and mantle structure of the Baikal Rift from receiver functions

T1.2-P46 Implication of Volcano-Tectonic and Fluid Movements on Seismic Activity in the Paka Geothermal Prospect

T1.2-P47 Interdependence among earthquake magnitude, ground motion attenuation and consequences for the Central Asia derived from Pamir-Hindu Kush deep earthquakes data

T1.2-P48 Investigate Seismic Sites Using Microtremor Studies and Elliptical Curve Inversion of Horizontal-to-Vertical Spectral Ratio in Sleman, Yogyakarta

T1.2-P49 Investigate subsurface structure beneath Sunda Straith

T1.2-P50 Investigations of the 2018 earthquake swarm in Mamasa (Sulawesi), Indonesia

T1.2-P51 Jordan Seismological Networks

T1.2-P52 Kinematics of the Suez-Sinai area from combined GPS velocity field

T1.2-P53 Lithospheric scattering and structure from teleseismic P waveforms

T1.2-P54 Local magnitude Formula Determination of Seismic Swarm at The Long-Dormant Jailolo Volcano, West Halmahera, Indonesia

T1.2-P55 Long-term Stability Evaluation of Foundation Material at Nuclear Power Stations

T1.2-P56 Mikroearthquake Monitoring and Ambient Noise Tomography to Verify the Buried Faults Beneath Jakarta

T1.2-P57 Moment tensor solutions of earthquakes in south of Sumba Island (Indonesia)

T1.2-P58 Monitoring of crustal activities using oceanfloor network system for disaster resilience

T1.2-P59 Multi-disciplinary views on seismic hazard analysis in the eastern Caucasus (Azerbaijan)

T1.2-P60 On the relationship between floods and earthquake in Southern Africa

T1.2-P61 P and S wave tomography of the central Tien Shan from inversion of local earthquake arrival time data

T1.2-P62 Possible relationship between electromagnetic signals of non-anthropogenic origin and seismic events, in the Sabana de Bogotá and surroundings

T1.2-P63 Prediction of Earthquake Hazard in the northeast India Himalaya

T1.2-P64 Preliminary Results from Ambient Noise Tomography across Africa

T1.2-P65 Preliminary Results of Continuous Monitoring and Surface Condition of An Active Fault In The Southeast Aceh

T1.2-P66 Preliminary study of seismic hazard along the Cameroon Volcanic Line (CVL)

T1.2-P67 Preliminary Study the Impact of Directivity for Strong-Motion Effective Duration on High-Rise Building

T1.2-P68 Present-day stress field in NW Himalaya and surrounding regions based on inversion of earthquake focal mechanisms

T1.2-P69 Probabilistic Seismic Hazard Assessment in Kenya and Its Vicinity

T1.2-P70 Probing the stress regimen at Bolivian south Subandean belt by Focal mechanism computation: Villa Serrano earthquake, 4.7 Mw 2018.

T1.2-P71 Properties of the high-frequency ambient seismic field recorded on a large-N (N=10,530) seismic deployment in the Vienna Basin

T1.2-P72 Receiver Function Analysis of the IMS stations located in Africa

T1.2-P73 Recent seismicity along the the Davie Ridge/Fracture zone

T1.2-P74 Relevance of National Data Centres Established in Southern Africa, the case study for Zambia

T1.2-P75 Revisiting The 2018 Kalibening Earthquake Sequence In Central Java: Call for the Revision of Earthquake Hazard

T1.2-P76 S-wave Velocity Structure beneath PS14-ROSC Station using Microtremor Arrays

T1.2-P77 Seismic Geohazard Monitoring in the Baringo Silali Geothermal Prospect in Northern Kenya

T1.2-P78 Seismic hazard assessment for Madagascar

T1.2-P79 SEISMIC HAZARD ASSESSMENT, LUSAKA AND COPPERBELT PROVINCES OF ZAMBIA

T1.2-P80 Seismic Hazard Scenario in Western Himalaya, India

T1.2-P81 Seismic Impact from Earthquakes of Different Distance upon the Territory of Belarus

T1.2-P82 Seismic study to support PSHA in Greater Caucasus (Azerbaijan)

T1.2-P83 Seismic Wave Attenuation Model of the Lithosphere and Upper Mantle of the Northeastern Part of

the Baikal Rift System

T1.2-P84 Seismicity along the seismogenic zone of Algarve region (southern Portugal)

T1.2-P85 Seismicity and GPS Observations for studying crustal deformation and Geodynamics in and around Egypt

T1.2-P86 Seismicity and seismogenic structure of the Emeelt fault, Mongolia

T1.2-P87 Seismicity and Seismotectonics of center Sudan and their Implications

T1.2-P88 Seismicity of the Okavango Delta Region: Contribution of IMS and Local stations

T1.2-P89 SEISMO-TECTONIC EVALUATION OF DECEMBER 13, 2009 CHITTAGONG EARTHQUAKE

T1.2-P90 Seismological and tectonics Of Jordan

T1.2-P91 Seismotectonic of the Anker Area, Namibia

T1.2-P92 Seismotectonics of southern Africa

T1.2-P93 Shale rheology and its relationship to the variation of VP and VS to identify nuclear waste storage sites.

T1.2-P94 Simultaneous Inversion Of The P Wave Velocity Model And Relocation Of Earthquakes In The Northern Sumatra Region Using SimulPS-12

T1.2-P95 Sinkhole process interpretation based on shear wave seismic reflection results at Ghor Al-Haditha, Dead Sea

T1.2-P96 Some Regularities of Seismicity of Western and Central Uzbekistan

T1.2-P97 Source parameters and focal mechanism of local earthquakes in Albania

T1.2-P98 Source Process Analysis of the 28 September 2018 Palu Earthquake (Mw 7.4) Using Teleseismic Waveform

T1.2-P99 Sources of P-wave Microseisms Detected with the TA Array in Alaska

T1.2-P100 Static Stress Drop and Strain Rate Analysis of the Palu Earthquake Mw 7.4 (September 28, 2018)

T1.2-P101 Statistical analysis of the seismicity around the capital of Mongolia

T1.2-P102 Stress/strain state colouring method for IMS data imaging

T1.2-P103 Structure of the Ulaanbaatar Region from Gravity Data

T1.2-P104 Study of Activities in Local Segments of the Bengkulu Area for the Year 2017

T1.2-P105 Study the seismic activity along the Dead Sea Transform Fault System and Surrounding Area during 2010-2016

T1.2-P106 Tectonic activity and its influence in the increase of earthquakes in Iraq

T1.2-P107 Tectonic Plates Interactions and Detection Capabilities of the IMS Seismic Stations in the Africa Region

T1.2-P108 The aftershock sequence of the 22 September 2016, Mozambique earthquake (ML 5.2)

T1.2-P109 The b-value of local seismicity around Seymareh Dam (Zagros region-Iran), before and after impoundment

T1.2-P110 The Caucasus Seismic Hazard

T1.2-P111 The Lushnje-Elbasan-Diber Fault: Crustal Structure and Seismic Activity

T1.2-P112 The Minimum 1-D P-wave velocity model for a local earthquake data with precise and consistent earthquake locations in the southern Hangay region

T1.2-P113 The Relationships of Subparallel Synthetic Faults and Pre-existing structures in the Central Malawi Rift

T1.2-P114 The role of geochemical and petrographic properties of rocks on the rheology (viscosity) of magmatic systems: Involvement in wave spread and internal dynamics of the Earth, case of the Nyiragongo volcano field in the Virunga Volcanic Province (East African rift)

T1.2-P115 The Seismic Network of Zambia

T1.2-P116 The Statistical Data Analysis of Zambian Seismicity Outlook

T1.2-P117 Understanding Pamir-Hindukush Seismicity

T1.2-P118 Updating the Egyptian Earthquake Source Parameters Database

T1.2-P119 Upper crustal structure at the KTB drilling site from ambient noise tomography

T1.2-P120 Upper mantle imaging with surface wave diffraction: AlpArray seismic network and the Cameroon Volcanic Line

T1.2-P121 Use of Microtremor for Site Period Estimation and Seismic Site Hazard Assessment in Bangladesh

T1.2-P122 Using HV method for imaging of fault zones (the Baikal rift)

T1.2-P123 Velocity of seismic waves in the earth's crust and upper mantle of the Siberian platform and Baikal folded region according to underground nuclear explosions

Topic T1.3 Properties of the Ocean

T1.3-P1 Acoustic presence of blue, fin and minke whales recorded at the CTBT HA03 hydroacoustic station, 2007-2016

T1.3-P2 Climate of the upper ocean layer in statons of Ecuadorian sea

T1.3-P3 IMS discrimination between T-phases originating from volcanic tremors versus H-phases induced by volcanic eruptions in the northwestern Pacific Ocean

T1.3-P4 Long-range ocean sound propagation effects related to the search for the Argentine submarine ARA San Juan.

T1.3-P5 Scenario-Based Tsunami Hazard Assessment for Karpathos Island, Southeastern Aegean Sea

T1.3-P6 Simulation of Dahlia Tropical Cyclone Impact on Atmospheric Dynamic and Ocean in Sunda Strait using Delft-3D model

T1.3-P7 Subspace detection of seismic survey signals observed on the IMS hydroacoustic network

T1.3-P8 Suprapodal hydroacoustic observations of earthquakes along the Middle America Trench

T1.3-P9 TECTONIC STRUCTURE IDENTIFICATION AT PIDIE ACEH SEA WITH GEO-MARINE SURVEY

T1.3-P10 Tsunami waveform analysis of the 2018 Caribbean earthquake (Mw7.6) and its implication to the tsunami hazard along the eastern coast of Central America

Topic T1.4 Interaction Among the Earth's Subsystems

T1.4-P1 ⁷Be in South America: detection by IMS radionuclide stations and possible applications for climate and environmental studies

T1.4-P2 An Earthquake Precursor Using The Anomalous Radon Concentration: Study Case Palu Earthquake, Indonesia, Magnitude 7.2, September 28, 2019

T1.4-P3 Anomaly Of Total Electron Content Associated With Earthquakes And Tsunami Observed From GPS Data in Indonesia

T1.4-P4 Combined Electromagnetic (EM) and Electrical Resistivity Tomography (ERT) Geophysical Studies of Environmental Impact of Awotan Dumpsite in Ibadan, Southwestern Nigeria

T1.4-P5 Detection of Traveling Ionospheric Disturbances from an Earthquake and a Volcano Eruption: Case Study

T1.4-P6 Can Climate Change Predict and Trigger the Earthquake Activity?

T1.4-P7 Monitoring and Verification Systems for Nuclear Tests with Biological Indices.

T1.4-P8 Monitoring of naturally occurring radionuclides in Santa Cruz - Galapagos Islands, in relation to atmospheric and ocean-atmosphere interaction processes over the Galapagos Islands and the Ecuadorian coast

T1.4-P9 Monitoring Seismic Events and Content of Isotopes on Atmospheric Aerosol of Tajikistan

T1.4-P10 Observations of Interactions Among Earth's Subsystems from the EarthScope Transportable Array

T1.4-P11 Optimistic Monitoring earthquake Precursor in Sumatra

T1.4-P12 Seasonal variations of microseisms in the Baikal rift

T1.4-P13 Seismo-acoustic observation of the ocean swell sources at BURAR site

T1.4-P14 Seismologically determined features of the Arshan debris flow, June 27–29, 2014 (Russia)

T1.4-P15 ThunderSeis: Seismic analysis of thunder infrasound

T1.4-P16 Use of MSM facilities for monitoring hazardous geophysical phenomena and climate change in the Antarctic Peninsula region

Topic T2.1 Characterization of Treaty-Relevant Events

T2.1-P1 A Seismo-Acoustic Analysis of the 2017 North Korean Nuclear Test

T2.1-P2 Analysis of macro-seismic effects of UNE and large chemical explosions conducted in Asia

T2.1-P3 Analysis of Moment Magnitude (Mw) to Compare The Energy of Six North Korea's Nuclear Test with Plutonium-240

T2.1-P4 Applying radioxenon isotopic ratios for nuclear explosion monitoring

T2.1-P5 Automatic computation of MSVMAX magnitude at the French National Data Center

T2.1-P6 Candidate methods for the implementation of OSI Resonance Seismometry

T2.1-P7 Cloud Computing Earth-Observation Remote Sensing Characterization of Nuclear Test Site: A Data Fusion Approach

T2.1-P8 Comparative analysis of the waveforms of the North Korean nuclear tests obtained by the seismological method at the Alibek station

T2.1-P9 Comparison of the DPRK aftershocks observed in 2019 with the aftershocks between September 2016 and April 2018

T2.1-P10 Data History from Nuclear power

T2.1-P11 Detection of nuclear explosions by remote regional seismic network

T2.1-P12 Determination of Body-wave Magnitudes of the North Korean Underground Nuclear Tests

T2.1-P13 Explosion Monitoring Research at the Nevada National Security Site

T2.1-P14 Focal mechanism of 2017 DPRK nuclear explosion and its collapse event

T2.1-P15 Identification of quarry blasts near BRMAR seismic array: An application of Multichannel Cross-Correlation detector.

T2.1-P16 Infrasound Signals from the 2017 North Korean Underground Nuclear Explosion and the Subsequent Collapse Event

T2.1-P17 Overview of North Korean nuclear tests based on data from modernized Slovak National Network of Seismic Stations

T2.1-P18 Overview of TIMEtool, a software for nuclear event timing

T2.1-P19 Radionuclide signatures of molten salt reactors

T2.1-P20 Relative Location of DPRK Test Events

T2.1-P21 Relative location of North Korean nuclear tests using IMS data: how do different techniques compare?

T2.1-P22 Relocation of seismic events in South Africa for ground truth identification and classification.

T2.1-P23 Representation of Complex Seismic Sources by Orthogonal Moment Tensor Fields

T2.1-P24 Seismological Investigations of the 2017 North Korean Nuclear Test

T2.1-P25 Source depth and characteristics of the DPRK's nuclear tests [2006, 2009, 2013, 2016] (01/06/2016), 2016S (09/09/2016) and 2017] using regional and teleseismic data
T2.1-P26 Source time functions of North Korean nuclear tests
T2.1-P27 Space Borne Optical and Radar Data to characterize North Korean Nuclear Test 2017
T2.1-P28 Summary of Common Exercise (Waveform Portion) at the 6th East Asia Regional NDC Workshop 2018
T2.1-P29 The detection of underground nuclear explosions by natural signatures
T2.1-P30 Three-dimensional space analysis of radionuclide isotopic activity ratios for characterizing a nuclear event
T2.1-P31 Towards an Improved Catalogue of Shallow Ground Truth Events in Eastern North America
T2.1-P32 Underground Nuclear Explosions on the North Korean Test Site According to the KNET Network Data
T2.1-P33 Utilization of radionuclide IMS data and IDC products in Belarus NDC
T2.1-P34 Yield estimates for the DPRK's sixth nuclear test with radar and seismic analysis
T2.1-P35 Yield estimation of DPRK3 test with radionuclide IMS stations measurements

Topic T2.2 Challenges of On-Site Inspection

T2.2-P1 Application of Complex Geophysical Research for the On-Site Inspection of Nuclear Tests
T2.2-P2 Application of the Radionuclide Method Using Tritium as an Indicator for On-Site Inspection
T2.2-P3 Business Approach to Finish an Unsolved Dilemma of the OSI
T2.2-P4 Challenges in hosting an On-site Inspection regional course
T2.2-P5 Challenges of On-Site Inspection in Extreme Climatic Conditions
T2.2-P6 ESI 2007 Earthquake Intensity Scale in help of CTBT OSI's Verification Regime
T2.2-P7 Jurisdictional complexities of identifying "Inspected State Party", pertain to sea-bed extension
T2.2-P8 Studying the Suspected Site of Nuclear Test by Using Microtremor Method
T2.2-P9 Testing at Sea is a High Probability Event
T2.2-P10 The family of the OSI
T2.2-P11 THE IDENTIFICATION OF GROUND ZEROS OF NUCLEAR EVENTS OF THE SEMIPALATINSK TEST SITE
T2.2-P12 The Use of Geophysical Methods in On-Site Inspections for Disguised Underground Nuclear Explosions
T2.2-P13 Theoretical signature of a cavern created by an Underground Nuclear Explosion in 2D exploration seismic data.
T2.2-P15 VNIIA major activities related to the CTBT technologies

Topic T2.3 Seismoacoustic Sources in Theory and Practice

T2.3-P1 A new GT5 event in a previously aseismic region of the Brazilian Phanerozoic Parnaiba Basin
T2.3-P2 A Post Sunda Strait Tsunami Survey of Sunda Strait Tsunami, December 22nd 2018
T2.3-P3 Analysis and modeling of the infrasound signals from the 2017 DPRK nuclear explosion at IMS station IS45
T2.3-P4 Analysis of Kosti Meteorite using Infrasound Data: A case Study In Sudan
T2.3-P5 Analysis of the infrasound signals from a bolide over the Bering Sea
T2.3-P6 Complex seismological investigations near Bulgarian Antarctic Base
T2.3-P7 Contribution to numerical modeling of site effect by linear equivalent and nonlinear approaches.
T2.3-P8 Deployment of temporal infrasound array in Ecuador
T2.3-P9 Detection and interpretation of Seismoacoustic and Seismic events at NDC Iraq
T2.3-P10 Determine the relationship between seismic and acoustic signals
T2.3-P11 Discrimination between quarry blasts and local earthquakes in Aswan, Egypt
T2.3-P12 Distributed acoustic sensing observations and modeling of the DAG series of chemical explosions
T2.3-P13 Estimating seismic source depths using body and surface wave observations
T2.3-P14 High frequency events detected by I33MG
T2.3-P15 High-Precision Teleseismic Double-Difference Earthquake Relocation of Palu – Koro Earthquake M 7.4
T2.3-P16 Hybrid waveform modeling for small-scale source complexity at teleseismic distances
T2.3-P17 Implications for S wave generation from subsurface chemical explosions using large arrays of sensors
T2.3-P18 Infrasonic bulletin to station IS41
T2.3-P19 Infrasound monitoring of deorbiting Soyuz crafts on the territory of Central Kazakhstan
T2.3-P20 Measurement of Rotational Ground Motions for CTBT
T2.3-P21 More precise location of Aswan seismicity based on waveform analysis
T2.3-P22 Seismic Moment Tensor Inversion for Source-Type Identification
T2.3-P23 Simultaneous relocation of the seismicity of the Pannonian Basin using Bayesloc
T2.3-P24 Source Models and Scattering Origin of Regional Phases from Coda Spectral Ratios
T2.3-P25 Study of seismoacoustic signatures of the September 28th 2018 Sulawesi earthquake
T2.3-P26 The Annual Hungarian Seismo-Acoustic Bulletin of Ground Truth Events
T2.3-P27 The Baumgarten and Ingolstadt explosions: infrasound observations from ground truth sources in

Eastern Austria and Southern Germany

T2.3-P28 Tropical cyclones monitoring in the Indian Ocean Basin using Seismic and Infrasonic stations

T2.3-P29 UNDERSTANDING SEISMICITY CATALOG AND THEIR PROBLEMS IN ZAMBIA

T2.3-P30 Waveform and Dispersion Modeling Using DPRK Regional Seismograms Recorded by the High Sensitivity Seismic Network of Japan

Topic T3.1 Design of Sensor Systems and Advanced Sensor Technologies

T3.1-P1 A Differential Highly Sensitivity Sensor for Accounting of Seismic Devices Instrumental Thermal Noise

T3.1-P2 A New Gamma Camcorder

T3.1-P3 A new process design for compact radioxenon separation system

T3.1-P4 A new three-component optical accelerometer

T3.1-P5 Antineutrino detectors: an evaluation of their use for monitoring of nuclear explosions

T3.1-P6 Application of Optimal Filtering to Take into Account the Influence of Baric and Temperature Fluctuations of the Seismic Instrument and the Environment

T3.1-P7 Applying an anti-coincidence system plastic-HPGe to lower the MDA of radioxenon measurement

T3.1-P8 Atmospheric air radioactivity monitoring at BEO Moussala

T3.1-P9 Calibration of Infrasonic Sensors in a Long-Term Field Study

T3.1-P10 Characterization of the microbarometer's sensitivity to the environment

T3.1-P11 Comparison of PSD methods in simultaneous discrimination of alpha-gamma radiations

T3.1-P12 Deployment of Portable Infrasonic Array in Costa Rica

T3.1-P13 Development and optimization of the infrasonic observation system of the NDC of Ukraine

T3.1-P14 Development of a Mobile Radiation Detection System

T3.1-P15 Development of a new compact photon/electron detector for radioxenon measurement

T3.1-P16 Development of an Electrostatic Precipitator System for Radionuclide Particle Collection

T3.1-P17 Distributed Fiber Optic Seismic Sensors with Seismic Noise Floor Performance

T3.1-P18 Experimental setup and results of xenon sorption characteristics research for a number of adsorbents

T3.1-P19 Fault Identification using Seismic Data Monitoring in Jakarta, Indonesia

T3.1-P20 Future of aerosol radionuclide monitoring

T3.1-P21 Geant4 Monte Carlo radioxenon beta-gamma coincidence efficiency simulation for a SAUNA detector

T3.1-P22 Hyper-sensitive Gamma spectrometry – approaching the ultimate limit

T3.1-P23 Improvement of energy resolution of beta detector in radioxenon detection system (INGAS)

T3.1-P24 Improving sensitivity of Noble Gas cluster without enlargement stationary NG stations .

T3.1-P25 Investigating New Detection Mediums for Atmospheric Radioxenon Measurements

T3.1-P26 New Lobular Detection Technology and Possible Applications

T3.1-P27 Next generation low-power HPGe gamma-ray spectrometer to improve IMS particulate radionuclide station reliability

T3.1-P28 Project PIM: a low-cost mobile seismo-acoustic sensor for geophysical deployments

T3.1-P29 PVA nanofibers based microfluidics chip for detection and absorption of nuclear radioactive solutions

T3.1-P30 Radiation detection for OSI - A study of non-He-3 neutron detectors

T3.1-P31 Radioactive gas metrology at NPL and the development of short-lived gas standards

T3.1-P32 Radioxenon collection using synthesized xenon-adsorbing material for Nuclear Test Monitoring

T3.1-P33 Report on SPALAX-NG validation tests and performances

T3.1-P34 Results from a 6-month acceptance test of the SAUNA III- prototype

T3.1-P35 SAUNA-CUBE: The first prototype for a noble gas system adapted for an Array-network

T3.1-P36 Status of infrasonic and seismic metrology at CEA

T3.1-P37 Status of the stack monitor for the STAX project

T3.1-P38 Study of materials for improved adsorption of xenon at IMS radionuclide stations

T3.1-P39 Testing of Cosmic Veto for RASA Background and MDC Reduction

T3.1-P40 The contribution of micro-gravity in delineating subsurface tunnels and caves

T3.1-P41 The gas processing system of SAUNA CUBE

T3.1-P42 The Güralp Affinity as a replacement for the DM24SxAM

T3.1-P43 The radiation dose monitoring network system in a coastal area

T3.1-P44 Three Future Filters for IMS Radionuclide Particulate Operations

T3.1-P45 Towards disaster mitigation on Earthquakes and Tsunamis using off shore real time monitoring data

T3.1-P46 Ultra-sensitive measurements of large-volume radioxenon samples using an ultra-low-background proportional counter

T3.1-P47 Unmanned Aerial Vehicles in On-site Inspection: New techniques for gamma spectroscopy survey

T3.1-P48 Updated results from long-term infrasonic sensor comparison

T3.1-P49 Xenon International

Topic T3.5 Data Analysis Algorithms, Artificial Intelligence, Big Data and Deep Learning

T3.5-P1 A Demonstration of the RKF Solution Method for Multi-physics Analysis of Radionuclides Evolved in Nuclear Testing

T3.5-P2 A new analysis method for beta-gamma radioxenon spectra, including improved calculation of decision limits

T3.5-P3 A new approach for calculating 1D local velocity model using Particle Swarm Optimization technique

T3.5-P4 A new blind deconvolution approach for the separation of seismic waves

T3.5-P5 A novel approach for signal sparse time-frequency representations

T3.5-P6 A semi-automatic method for extraction and interpretation of reflection Green's Functions from ambient noise and signal, for IMS seismic station crustal reflector characterization

T3.5-P7 A simplified Fuzzy ARTMAP neural network based-approach for seismic signal discrimination between earthquakes and quarry blasts

T3.5-P8 An Integrated Study of Vp/Vs and Ultra Low Frequency (ULF) Anomalies Before Lombok Earthquake (M 6.8)

T3.5-P9 Analyzing seismic explosion records using SEISAN

T3.5-P10 Application of Butterworth High Pass Filter as an Approximation of Wood Anderson Seismometer Frequency Response to Earthquake Signal Recording

T3.5-P11 Applying waveform correlation to aftershock sequences using a global sparse network

T3.5-P12 Automatic characterization of phase type at three-component seismic stations using neural networks

T3.5-P13 Automatic machine learning methods for analyzing radioxenon isotopes spectra

T3.5-P14 Automatic Systems for Accurate Tracking of Aftershock Sequences

T3.5-P15 Bayesian Approach to Localization of Atmospheric Release with Demonstration on the Case of Ruthenium-106 Release in 2017

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(RNIAB)

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T5.2-P3 Contribution to the Global Non-Proliferation and Nuclear Disarmament Regime at the Example of Kazakhstan-Japan Cooperation

T5.2-P4 Contributions to Issues of Global Concern such as Disaster Risk Mitigation

T5.2-P5 CTBT in Global Context: Nepal' Scenario

T5.2-P6 CTBT Technology for securing SDG 6: Ensure availability and sustainable management of Water and sanitation for all.

T5.2-P7 Earthquake Preparedness and the University Community Response in Albania

T5.2-P8 Earthquake tectonics, sustainability of cities and infrastructure, seismic hazard assessment and mitigation. A Case study in north-east of Azerbaijan

T5.2-P9 Economic uses of previous nuclear test grounds (Semipalatinsk test site)

T5.2-P10 Five ideas for health and environment deals

T5.2-P11 Geological controls and Climate change in the Greater Himalayan region

T5.2-P12 How National Young Academies can Help CTBTO implementing relevant Sustainable Development Goals

T5.2-P13 Identification of Mass Movements Using the CTBTO IMS Data: Seismo-Acoustic Technology

T5.2-P14 Integrating the CTBTO IMS and NDC into the NNNREP as a Tool for Enhancing Radiological Emer-

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T5.2-P24 Operational Readiness of CTBT Hydroacoustic Stations in Achieving Sustainable Development Goal 14

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T5.2-P32 Seismic Intensity Map of 5.5 Mozambique Earthquake

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T5.2-P35 Strategies to prevent the proliferation of nuclear weapons and create in their place energy to alleviate the energy shortage in the world.

T5.2-P36 Summer School in Old Nuclear Test Site in Kazakhstan

T5.2-P37 Sustainable Development and experiences in the nuclear sphere from Serbia, still not member of the European Union

T5.2-P38 Swedish Biodiversity in Time and Space

T5.2-P39 The Advances in Scientific Technology and Enforcement of Effective Socio-Political and Economic Policies Will be the Surest Way to Achieve the SDG's

T5.2-P40 The changes in the wildlife of a region as an indicator of the effect of the radiation caused by the nuclear tests

T5.2-P41 The CTBTO IMS and NDC Opportunities to Help Detect, Prepare, Respond and Mitigate Disasters from Earthquakes and Tremors in Abuja, Nigeria

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T5.2-P43 The Investigation between the CTBT and the UN Sustainable Development Goals

T5.2-P44 The role of NDCs and NDC cooperation to promote the additional use and understanding of IMS data to benefit civil applications

T5.2-P45 The WHO and the CTBTO: joint initiatives to address air pollution in the cities

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T5.2-P47 Tsunami risk assessment in South-Eastern Mediterranean

T5.2-P48 Urban Seismic Risk Evaluation for Georgia

T5.2-P49 Waiting to the eight: Billions people and CTBTO committed for a safer world