

Program notes to go with the program itself.

This program is the final draft and a version of it will appear in the Congress Handbook.

The basic information is what the program is and the only last minute changes will now be made at the Congress itself.

No details for Wednesday are included at this stage as this is the mid week excursions day and information is being provided separately.

Time	Marquee	Foyer	Ron Mullock AO Room (ALL)	Upstairs Pre Conference area	Marquee
09:00 - 10AM	SET-UP OF VENDORS STALL, 16 LEGS EXHIBITION, & FACILITIES IN THE MARQUEE				
09:30 - 10:00 AM					
0:00 - 10:15 AM					
0:15 - 10:55 AM					
0:55 - 11:10 AM					
1:10 - 11:50 AM					
1:50 - 12:30 PM					
12:30 - 1:30 PM					
1:30 - 1:40 PM					
1:40 - 2:10 PM					
2:10 - 2:40 PM					
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5:25 - 5:55 PM					
5:55 - 6:45 PM					
6:45 - 7:30 PM					
7:30 - 8:00 PM					
8:00 - 8:30 PM					
8:30 - 9:00 PM					
9:00 - 9:30 PM					
				Welcome Party	
					Setting up for the vendors, information stalls, SpeleoOlympics, 16 Legs exhibit

Tuesday, MONTH Day, Year								
Time	Foyer	Marquee 1	Jamieson Room	Ron Mulock AO Room 1	Ron Mulock AO Room 2	Woodriff Room	Hunter Room	
09:00 - 09:30 AM	REGISTRATIONS	THE CAVEATRON: AN INTEGRATED CAVE SURVEY AND LIDAR SCANNING INSTRUMENT Mitchell, Gutting	SOURCING GREENHOUSE GASES IN KARST SYSTEMS Fernandez-Cortes, Calaforra et al	HYPOGENIC? CAVES MODIFIED BY METEORIC FLOWS - GEOMORPHOLOGY OF CLIEFDEN CAVES AND THE BELUBULA RIVER VALLEY Houshold, Osborne	FIVE YEARS OF ASTRONAUT TRAINING, TESTING AND OPERATIONS IN THE ESA CAVES PROGRAM Bessone, Sauro, De Waele	THE SOUTHERNMOST AUTHIGENIC KARST PLATEAU OF THE LEVANT Frumkin	MANAGEMENT OF KARST ENVIRONMENTS WITHIN NSW PARKS AND RESERVES Baker	
09:30 - 10:00 AM		3D CARTOGRAPHY: CAVEGEOMAP AND ZEB1 LIDAR Acosta-Colón	RECONSTRUCTION OF LAPS RATES DURING THE PLEISTOCENE HOLOCENE TRANSITION FROM SWISS STALAGMITES BY NOBLE GASES ANALYSIS. Ghadiri, Brennwald, Fleitmann, Kipfer	INTERPRETATION OF REGIONAL GEOMORPHIC EVENTS FROM DISSOLUTION CAVES Palmer	DIGITAL TERRAIN MODEL (DTM) MORPHOMETRY OF SINUOUS PIT CHAINS AND ATYPICAL PIT CRATERS RELATED TO COLOSSAL INFLATED LAVA TUBES ON MARS Sauro, Pozzobon, De Berardinis et al	THE ROCK ISLANDS OF BELAU (PALAU), WESTERN PACIFIC: DROWNED POLYGONAL KARST? Joan Mylroie, John Mylroie	CONVEYING THE IMPORTANCE OF STROMATOLITES TO SELF-GUIDED TOURISTS IN NETTLE CAVE, JENOLAN, NSW Barlow	
10:00 - 10:15 AM		MORNING TEA BREAK						
10:15 - 10:45 AM		APPLICATION OF LIDAR DATA FOR CAVE ENTRANCE IDENTIFICATION Čekada, Gostinčar, Ladišić	SPELEOGENESIS IN STOCKYARD GULLY NATIONAL PARK AND BEEKEEPERS NATURE RESERVE, WESTERN AUSTRALIA Lipar, Webb	CHRONICLING A HISTORY OF KARSTIFICATION IN PUERTO RICO Miller, Brocard, Willenbring	WHAT IF THE "SEVEN SISTERS" ARE NOT VOLCANIC? A LOOK AT DEEP HYPOGENIC SINKHOLES IN ARABIA Kempe	THE CENOTE PROJECT: MONITORING ONE OF THE DEEPEST AND HIGH-ALTITUDE ICE CAVE OF THE ITALIAN DOLOMITES Santagata, Sauro, Spotl, Daniela et al	EVAPORITE KARST OF THE EMILIA-ROMAGNA REGION (ITALY): WHY SHOULD THEY BECOME A WORLD HERITAGE? Forti	
10:45 - 11:15 AM		COMPARISON OF SHALLOW GEOPHYSICAL CAVE DETECTION METHODS TO 3D LIDAR MAPPING Mitchell, Mitchell	TIMING OF PLEISTOCENE SEA-LEVEL HIGH-STANDS IN WESTERN MEDITERRANEAN USING U-PB AGES OF CAVE DEPOSITS FROM MALLORCA ISLAND Onac, Polyak, Fornós, Dumitru et al	AGE AND SPELEOGENESIS OF GYPSUM CAVES IN EMILIA-ROMAGNA (N ITALY) Columbu, Chiarini, De Waele et al	A THEORETICAL APPROACH TO ENERGY AND MATERIALS FLOW AND CONSEQUENT BIODIVERSITY: PREDICTIONS FOR CAVES ON EARTH AND OTHER PLANETARY BODIES Boston, Northup	TECTONIC CONTROL OF THE PERMIAN GYPSUM KARST BELT ALONG THE SOUTHERN MARGIN OF THE HARZ-MOUNTAINS (GERMANY) Hubrich, Kempe	KARSTCARE - CAVERS LOOKING AFTER CAVES AND KARST Wools-Cobb	
11:15 - 11:45 AM		EXPLORING FOR NEW CAVES ON THE NULLARBOR PLAIN, AUSTRALIA N.White	HOW CONVECTIVE CAVE VENTILATION EFFECTS SPELEOTHEM GROWTH Waring	TRACING OF THE CAVE CLASTICS: STATE OF THE ART IN THE MORAVIAN KARST Otava		ARMENIA KARST PROJECT Ruggieri, Daytyan, Ugujyan	GOOD PRACTICES FOR THE MANAGEMENT OF SHOW CAVES Bartholeyns	
11:45 - 12:15 PM		MAPPING AND IMAGING THE WORLD'S LARGEST CHAMBERS IN 3D Walters	EXTREME SEASONAL FLUCTUATIONS OF CARBON DIOXIDE IN THE CAVE ATMOSPHERE OF COVA DE SA FONT (SA DRAGONERA ISLET, BALEARIC ISLANDS, SPAIN) Ginés, Mulet, Rodríguez-Homar	GEOTHERMAL HEAT FLOW IN CAVES: HEAT CONCENTRATION AND ITS EFFECTS ON SPELEOGENESIS. Michie		THE GLENELG KARST, SOUTH EASTERN AUSTRALIA S.White, Webb	CROWD PERCEPTION AND VISITATION QUALITY FOR SOCIAL CARRYING CAPACITY OF CAVES AT THE ALTO RIBEIRA TOURIST STATE PARK (PETAR-BRASIL): PRELIMINARY RESULTS Lobo, Alves, Santos, Travassos	
12:15 - 1:15 PM			BIBLIOGRAPHY	INTERNET TEAM	GLACIER, FIRN & ICE CAVES COMMISSION	PACIFIC	IJS	
1:15 - 1:45 PM		LUNCH	RECENT DEVELOPMENTS IN SPELEOTHEM RESEARCH Woodhead, Hellstrom, Drysdale, Sniderman	EXPLORING THE MECHANISMS AND CONSEQUENCES OF CAVE ROOF COLLAPSES USING THE NATIONAL CORVETTE MUSEUM SINKHOLE CASE STUDY Polk, North, Kambesis, Ham, Federico		HIGHLIGHTS OF ROMANIAN CAVES AND KARST Ponta, Ursu	THE KARST LANDSCAPE OF THE SOUTHERN HARZ MOUNTAINS IN SAXONY-ANHALT, GERMANY - WORLD-WIDE LARGEST BIOSPHERE RESERVE ON SULPHATE KARST Knolle et al	
1:45 - 2:15 PM		3-D IMAGING AS A TOOL TO UNDERSTAND SPELEOGENETIC PROCESSES Kempe, Bauer	A HYPOTHESIS ON THE EVOLUTION OF COMPLEX FLOWSTONES. Forti	UNITED WE DIVIDE: SPELEOGENESIS IN THE VERTICAL VADOSE ZONE Haeuselmann	CAVE MONITORING WORKSHOP - N MICHIE AND OTHERS	HYPOGENIC CAVES IN SOUTHERN LEVANT DESERTS Frumkin, Langford, Lisker	CAVER QUEST: A NEW PARADIGM IN CAVE INTERPRETATION Peerman, Lipinski	
2:15 - 2:45 PM		THREE-DIMENSIONAL CAVE MAPPING USING STRUCTURE FROM MOTION Hellstrom	THE GENESIS OF HOLLOW STALAGMITES IN CAVES OF THE KHAMMOUANE KARST, LAOS Mouret	KARST MORPHOLOGICAL PROCESSES AND EVOLUTION OF THE LIMESTONE MASSIF OF GEORGIA FROM DEPOSITIONAL, SEDIMENTARY, AND STRUCTURAL INVESTIGATIONS IN MURADI CAVE Asanidze, Lezhava, Tsikarishvili et al		SOME OUTSTANDING SPELEOLOGICAL FEATURES OF LEBANON: TYPICAL SEMI-ARID MEDITERRANEAN KARST Nader	ONE OF EARTH'S SPECIAL PLACES Carden, Chirozva	
2:45 - 3:15 PM		CAVEINK - A SET OF INKScape EXTENSIONS FOR DRAWING CAVE MAPS Golicz	MULTILEVEL KARST SYSTEM EVOLUTION IN RELATIONSHIP TO PALAEO-CLIMATE AND PALAEO-GEOGRAPHY: HINTS FROM A 500 KY SPELEOTHEM RECORD FROM THE PIANI ETERNI KARST SYSTEM, BELLUNO DOLOMITES, ITALY Sauro, Lundberg, De Waele, Columbu	WHY WE SHOULD THANK A PROTEROZOIC METEORITE FOR THE CAVES AT ASSYNT, NW SCOTLAND, UK Faulkner		FEATURES, EXPLOITATION AND PROTECTION OF KARST CAVES IN CHINA Zhongshen Jiang	EVALUATING THE STATUS OF CAVE AND KARST PROTECTION IN THE UNITED STATES OF AMERICA Seiser	
3:15 - 3:30 PM		AFTERNOON TEA BREAK						
3:30 - 4:00 PM		WORLD'S FIRST GEOPHYSICAL SURVEY OF BAT GUANO: PHASE 1 AND 2 RESULTS Veni	A MULTIPROXY ANALYSIS OF HOLOCENE STALAGMITES FROM BOSNIA AND HERZEGOVINA Chiarini, De Waele Couchoud, Frisia, Drysdale et al		DOCUMENTATION WORKSHOP	CAVE OF THE MARATUA ISLAND, EAST KALIMANTAN-INDONESIA Haryono, Sasongko, Harjanta, Zaenuri et al	CONTRIBUTION TO CAVE DEVELOPMENT FOR TOURISM IN LAOS Mouret	
4:00 - 4:30 PM		RECENT EXPLORATIONS IN THE XE BANG FAI CAVE SYSTEM, LAOS Bolger	GEOTHERMAL HEAT FLOW IN CAVES: THE PHYSICS OF THE GEOTHERMAL RIMS IN CARLSBAD CAVERN. Michie	Cave Diving Commission (2 hrs)		THE SIGNIFICANCE OF THE TIANKENG GROUP DISCOVERY IN HANZHONG OF CENTRAL CHINA Yuanhai Zhang	CAVE EXPLORATION IN SANGKULIRANG-MANGKALIHAT PENINSULA, EAST KALIMANTAN-INDONESIA Reinhart	
4:30 - 5:00 PM		HUMBA CAVE PROJECT - CAVE EXPEDITION IN SUMBA ISLAND, INDONESIA Baba, Kuroki	GEOCHRONOLOGY OF JINFO CAVE, THE OLDEST CAVE IN CHINA Huang Baojian		DATA EXCHANGE WORKING GROUP	MECHANISM ANALYSIS OF LARGE SCALE SINKHOLE FORMATION, LAIBIN, GUANGXI, CHINA Mingtang Lei	SPELEOLITHOPHONES GUA TABUHAN, TRADITIONAL MUSIC IN PREHISTORIC SITES GUNUNG SEWU KARST AREA Yuniat	
5:00 - 5:30 PM	CAVE EXPLORATION IN XIAONANHAI KARST AREA, SHAANXI PROVINCE, CHINA Motycka, Filippi, Hai			DESERT CAVES STUDIES IN THE KINGDOM OF SAUDI ARABIA Alshanti				
5:30 - 6:30 PM	POSTERS - TOPICS BIOS, ARCH, VOLC, PSEU		PHYSICAL CHEMISTRY COMMISSION		ARTS AND LETTERS	ISCA		
6:30 - 7:30 PM	POSTERS - TOPICS MGMT, SDK, CLIM, MODL							
7:30 - 8:00 PM								
8:00 - 8:30 PM								
8:30 - 9:00 PM								
9:00 - 9:30 PM								
9:30 - 10:00 PM								
10:00 - 11:00 PM								
		Book Launches will be held in the marquee from 6.00 pm to 8 pm			SIXTEEN LEGS SCREENING 1 H 45 MINS (8 - 10 PM)			
			UIS NIGHT - 8:30 PM BUREAU & OTHERS (TILL 11PM)					

Time	Foyer	Marquee 1	Jamieson Room	Ron Mullock AO Room 1	Ron Mullock AO Room 2	Woodruff Room	Hunter Room	
09:00 - 09:30 AM		EXPLORATION OF THE CLIFF CAVES OF THE NULLARBOR MILNER	EUROPEAN CAVE RESCUE ASSOCIATION - MATURE ORGANIZATION Novosel, Hegedus, Mereta, Ubertino, Dennstedt et al	CAVE DEVELOPMENT IN TWO HIGHLY CONTRASTING EPIGENIC LIMESTONE LITHOLOGIES Faulkner	PALAEONTOLOGY OF NORTHEASTERN AUSTRALIAN CAVES Price, Louys	A KARST HYDROGEOLOGIC INVESTIGATION TO SUPPORT RISK ASSESSMENT AT PATOKA DAM, INDIANA. Bledsoe, Groves, Henn, Rowe	STUDENT AND PUBLIC ENGAGEMENT THROUGH CAVE MICROBIOLOGY RESEARCH AT THOMPSON RIVERS UNIVERSITY, CANADA Cheeptham	
09:30 - 10:00 AM		CAVE EXPLORATION IN THE AMARI REGION OF CENTRAL CRETE AND ITS CONNECTION WITH AUSTRALIAN SOLDIERS IN THE AFTERMATH OF THE BATTLE OF CRETE. Cadas	PROCEDURE AND ORGANISATIONAL STRUCTURES OF THE RESCUE IN THE RESENDING CAVE Wolf, Vogel, Knolle	SHALLOW CAVES AND BLOWHOLES ON THE NULLARBOR PLAIN, AUSTRALIA Flank MARGIN CAVES ON A LOW GRADIENT LIMESTONE PLATFORM Burnett, Webb, White	FORENSIC SPELEOLOGY Wolfe RESEARCH OF CAVES WITH WWII HUMAN REMAINS IN SLOVENIA Mihavec	MEASUREMENT OF THE ATMOSPHERIC CO2 SINK FROM CARBONATE MINERAL WEATHERING FOR LARGE RIVER BASINS: THE OHIO RIVER, USA Turner	MISSOURI CAVE DATABASE Wolfe A COMPREHENSIVE TOOL FOR CAVE MANAGEMENT. Sutton, House	
10:00 - 10:15 AM				MORNING TEA BREAK				
10:15 - 10:45 AM		CAVES IN BOLIKHAMSAI PROVINCE, LAOS Chilkano	PERCEPTIONS AND RECOMMENDATIONS AFTER THE CAVE RESCUE IN RESENDING CAVE Wolf, Vogel, Knolle	FLANK MARGIN CAVES IN TEOGENETIC LIMESTONES IN ITALY Parise, Arriolabengoa, D'Angelil et al	DIFFERENTIAL PRESERVATION OF VERTEBRATES IN SOUTHEAST ASIAN CAVES Louys, Kealey, O'Connor, Price et al	EVOLUTION, DEVELOPMENT, AND DECAY OF THE CAVES AND KARST OF THE GREENBRIER VALLEY, WEST VIRGINIA, USA W & E White	SMART MONITORING OF CAVE HABITATS - THE VDHK SMARTPHONE APP Vogel, Zaenker, Zaenker, Ipsen, Wolf et al	
10:45 - 11:15 AM		COMMON CHARACTERISTICS OF SUCCESSFUL SWAMP DIVING PROJECTS. A STORY OF MAIN DRAIN CAVE, UTAH, U.S.A. Krejca	THE PUBLICATIONS EXCHANGE WORKING GROUP Faulkner	CARBONATE HOST-ROCK WEATHERING BY SEA SALTS PRECIPITATION IN EL ORO L NARCO CAVE (CARTAGENA, SE SPAIN) Gázquez, Calaforra, Rull, Medina et al	NOVA SPILJA (NEW CAVE) FROM 1892 - IN CROATIA Watz	ORIGIN OF ENIGMATIC CAVES OF THE FAR WESTERN UNITED STATES Kambesis, Despain	METHODOLOGICAL PLANNING FOR THE PUBLIC USE OF CAVES AND KARST BASED ON SPATIAL ANALYSIS Maps Silverio	
11:15 - 11:45 AM		NEW DISCOVERIES IN THE SPLINTER SECTION OF JEWEL CAVE, SOUTH DAKOTA Wiles	LINKED DATA, THE SEMANTIC WEB, AND THE KARST INFORMATION PORTAL Boczar, Veni	PRE-QUATERNARY, HYPOGENETIC CAVES IN SOUTH NORWAY Lauritzen, Dahlgren	TIMING OF FOSSIL EMPLACEMENT AT TOCA DA BOA VISTA CAVE SYSTEM IN NORTHEASTERN BRAZIL Aulier	HYDROGEOCHEMICAL AND ISOTOPIC CHARACTERIZATION OF THE TAPALQUIA CREEK UPPER BASIN AND ITS ASSOCIATED KARST, BUENOS AIRES, ARGENTINA Gioi, Barredo, Martinez, Trezza	WHITE-NOSE SYNDROME RESPONSE AT MAMMOTH CAVE NATIONAL PARK (USA) Toomey, Clark	
11:45 - 12:15 PM		FORT STANTON CAVE: WORLD CLASS Peemman	CONTRIBUTION TO THE STUDY OF THE ORGANIZATION OF THE KARSTIC NETWORK IN TUNISIA Sbei	ARE THERE ANY PRE-QUATERNARY CAVES IN SCANDINAVIA? Faulkner	DATING PALEOLITHIC CAVE ART IN SHULGAN-YASH CAVE, URAL, RUSSIA Dublyansky, Moseley, Spötl et al	CAVE SEDIMENTS IN SKOCJANSKE JAME AND UNROOFED CAVES ABOVE THEM, SW SLOVENIA Zupan Hajna, Mihavec, Pruner, Bosák	INTERNATIONAL CAVE CONSERVATION AND RESTORATION COURSE IN BRAZIL Hildebrith-Werker, Werker, Alt, Moura	
12:15 - 1:15 PM		REGISTRATIONS						
1:15 - 1:45 PM		NEW FINDINGS IN EXPLORATION OF THE BJURJALVEN VALLEY CAVES (SWEDEN) Gorski, Lenander, Fröjdenlund, Thor	CAVES AND GEOTOURISM Brick	THE OLDEST METEORIC CAVES IN NORWAY? THE REINGARDSLIA CAVE DOCUMENTATION PROJECT. Lauritzen, Skoglund, Heggestad et al	A SPELEO-ARCHAEOLOGY STUDY OF KALI BANJAR UNDERGROUND RIVER: APPROACH ON THE RESEARCH OF SITE FORMATION PROCESS Wibisono	EXPLORATION OF THE CAVES OF ISLA DE MONA, PUERTO RICO Kambesis	CAVE ACCESS CHALLENGES AT SISTEMA HUAULTLA, MEXICO Steele	
1:45 - 2:15 PM		LA VENTA ASSOCIATION, 25 YEARS OF EXPLORATION, RESEARCH AND PROTECTION PROJECTS Sauró, Forti, De Vivo, Bernabei et al	A VERBAL DISPUTE BETWEEN A BAT AND A PARTRIDGE: A SCOTTIC ALLEGORICAL POEM FROM MEDIEVAL PERIOD Arataki	EVALUATION OF POSSIBLE ONGOING UPWARDS CONDENSATION CORROSION IN CUEVA DEL PASTOR (IBERIAN CHAIN), SPAIN Budahn, Sasowsky et al	THE JASOV PLATEAU IN THE SLOVAK KARST AS AN EXPERIMENTAL AREA FOR THE DENUDATION DYNAMIC RESEARCH Gessert, Hochmuth	THE JASOV PLATEAU IN THE SLOVAK KARST AS AN EXPERIMENTAL AREA FOR THE DENUDATION DYNAMIC RESEARCH Gessert, Hochmuth	APPLICATION CAVE ECOSYSTEM PROFILE OF ANJANI CAVE IN KARST JONGGRANANG, CENTRAL JAVA, INDONESIA Reinhardt	
2:15 - 2:45 PM		RECENT PROGRESS IN POLISH CAVE EXPLORATION PROJECTS IN NORTHERN LIMESTONE ALPS Golitz	CAVING ACTIVITIES AS A SUPPORT FOR THE ANALYSIS OF NATURAL AND ANTHROPOGENIC DISASTERS Parise	THE ORIGIN OF JEWEL CAVE AND ITS RELATIONSHIP TO LANDSCAPE SCALE PROCESSES - PART 1 Wiles	SOME NEW CAVES UNDER THE DUBROVNIK CITY AIRPORT IN THE DINARIC KARST OF CROATIA Garasic, Garasic	SPELEO EDUCATION IN HUNGARY Hegedus		
2:45 - 3:15 PM		INTERNATIONAL CAVE SEARCH AND RESCUE TEAM SLOVENIA Mereta, Zakrajsek	16TH ICS BRNO WATZ Note short documentary film	THE ORIGIN OF JEWEL CAVE AND ITS RELATIONSHIP TO LANDSCAPE SCALE PROCESSES - PART 2 Wiles	COMPLEX INVESTIGATIONS IN NOVOPONSKAYA CAVE (WESTERN CAUCASUS) Mavlyudov, Kuderina, Kadetskaya et al	THE JOURNEY TO PRESERVE PUERTO RICO'S SANTA ROSA CAVE SYSTEM Babilonia		
3:15 - 3:30 PM		AFTERNOON TEA BREAK						
3:30 - 4:00 PM		CAVING EXPEDITION TO THE HUMPATIA PLATEAU, ANGOLA Pinto, Freire, Andrade, Francisco et al	THE PSS AND THE 16TH YEAR OF THE ANNUAL PHILIPPINE NATIONAL CAVE CONGRESS. Bontuyan			KARST HYDROLOGY IN SUB-ARCTIC NORWAY Skoglund, Lauritzen	NAKANAI CAVE/KARST COUNTRY, NEW BRITAIN, PNG: AN ANTHROPOLOGICAL PERSPECTIVE Tsang	
4:00 - 4:30 PM		CAVING AND CAVE EXPLORATION IN PAKISTAN Durrani, Brooks	CAN THE UIS ALSO BECOME A SPORTS BODY AND WHY SHOULD IT? van Waardenburg	SPELEOGENESIS COMMISSION	INFORMATICS COMMISSION	USE OF CAVE ANIMAL MARIFUGIA CAVATICA FOR RECONSTRUCTION OF PLEISTOCENE TO RECENT EVOLUTION OF KARST RELIEF IN W SLOVENIA Mihavec	DETECTION OF HUMAN ACTIVITIES IMPACT ON SHOW CAVES ENVIRONMENT IN PACITAN, INDONESIA Kurniawan	
4:30 - 5:00 PM		THE CAVES OF ARMENIA Chavarian	RESTRUCTURING THE UIS van Waardenburg	DICTIONARY WORKING GROUP	IUCN Caves and Karst Special Interest Group	MORPHOLOGY OF MERABU KARST MOUNTAIN, MANGKALIHAT PENINSULA, EAST KALIMANTAN-INDONESIA Haryono, Zulqishih, Hakin, Sasongko et al	CULTURAL KARST LANDSCAPE: A NEW METHODOLOGY ON SOCIAL SCIENCE RESEARCH IN TROPICAL KARST REGION Kumai	
5:00 - 5:30 PM		2013 TO 2016 SPELEOLOGICAL EXPLORATIONS IN KHAMMOUAN, LAOS Mourer, Vacquie	IS IN CAVE COMPETITION REALLY UNACCEPTABLE? van Waardenburg				ASIAN UNION OF SPELEOLOGY	

Time	Foyer	Marquee	Jamieson Room	Ron Mullock AO Room 1	Ron Mullock AO Room 2	Hunter Room	Woodruff Room
09:00 - 09:30 AM			ADIPOCERE AS A GROUP IX CAVE MINERAL AND PRECURSOR FOR CALCIFICATION ON BONE Lauritzen	KARSTIC CAVE: LIFE AND SOIL ENVIRONMENT Acosta-Colon	A 100-KM-LONG SUBTERRANEAN ROMAN AQUEDUCT IN NORTHER JORDAN? Kempe, Al-Malabeh	HERMANN BOCK, A FORGOTTEN PRECURSOR OF CAVE METEOROLOGY Cigna	WHAT'S UP WITH ANTIBIOTICS IN CAVES? Barton, Lowry
09:30 - 10:00 AM			IKATE IN OLD AND NEWLY FORMED ICE DEPOSIT OF SCARISORA ICE CAVE, ROMANIA Onac, Wynn	LIFE IN DARKNESS - A BIOSPELEOLOGY PROJECT IN THE BAVARIAN ALPS Vogel, Zaenker, Ipsen, Wolf, Knolle	A THIRD KIND OF CAVE IN THE WORLD: ANTHROPOGENIC Brick	THE KARSTOLOGICAL SUBTERRANEAN LABORATORY OF BOSSEA CAVE (IN ITALY) Vigna, Peano, De Waele	CAN FERMENTING BACTERIA DRIVE SPELEOGENESIS IN FE(II)-RICH ROCKS? Parker
10:00 - 10:15 AM			SECONDARY MINERALS FROM ITALIAN SULFURIC ACID CAVES D'Angelii, De Waele, Carbone, Parise et al	FUNGAL DIVERSITY IN CAVES AND ON HIBERNATING BATS IN NORTH AMERICA Vanderwolf, McAlpine, Malloch, Lorch	MORNING TEA BREAK	CAVERS FOR CAVERS - 50 YEARS OF UIS CAVE RESCUE COMMISSION Hegedus	CRYPTIC MICROBES IN CAVE MINERALS Northrup
10:45 - 11:15 AM			SECONDARY MINERALS FROM HALITE CAVES IN THE ATACAMA DESERT (CHILE) De Waele, Carbone, Sanna, Vattano et al	TAXONOMIC REVIEW OF THE CAVE DWELLING SPRINGTAIL FAMILY TOMOCERIDAE (COLLEMBOLA) IN KOREA Chang, Choi, Kim, Park	THE COMPLEXITY OF PYRODUCT ("LAVA TUBE") GENESIS: BIRD PARK CAVE, HAWAII VOLCANOES NATIONAL PARK Kempe, Ketz, Kemp, Shick, Gasser	CAVE EXPLORATION DURING THE LITTLE ICE AGE Brick	ROCK-POWERED LIFE IN THE VADOSE ZONE AT WISHING WELL CAVE, VA (USA) Macalady, Golestani, Winter, Cardman et al
11:15 - 11:45 AM			A NATIVE ALUMINUM OCCURRENCE IN RORAIMA SOUTH CAVE, VENEZUELA Urbani, Onac	CAVE ANIMAL OF THE YEAR %00 FROM NATIONAL TO INTERNATIONAL? Vogel, Zaenker, Ipsen, Wolf, Knolle	OUTSTANDING UNIVERSAL VALUES OF SOME LAVA TUBE CAVES IN JEJU ISLAND FOR POTENTIAL WORLD HERITAGE EXTENSION Woo	THE LOST POT OF THE SINKHOLE OF THE STREAM "RHINE" Chiroi	EXPLORING THE MICROBIAL DIVERSITY FEATURING THE GEOCHEMICAL COMPLEXITY OF THE QUARTZ-SANDSTONE CAVE IMAMARIYA YEUITA, AUYAN TEPUI, VENEZUELA Ghezzi, Sauro, Zowawi, Hong et al
11:45 - 12:15 PM			URICITE FROM GAURA TURANULUI, NW ROMANIA Tamas, Giurgiu, Barbu-Tudoran, Muresan	USE OF CAVE ENVIRONMENTS BY VERTEBRATE ANIMALS: EXAMPLES FROM JENOLAN CAVES, AUSTRALIA Musser		THE OLDEST CAVE MAP Chiroi	BIOGEOGRAPHY OF MICROBES FROM CAVES IN THE INTERIOR LOW PLATEAU AND APPALACHIANS KARST REGIONS Engel, Paterson, Niemiller
12:15 - 1:15 PM		REGISTRATIONS	Materials & Techniques	Biology Commission	Volcanic Cave Commission	Publications exchange Working Group	Artificial Cavities Commission
1:15 - 1:45 PM			SPELEOGENESIS BY WEATHERING OF UPPER CRETACEOUS, CONIACIAN LIMESTONE, DORDOGNE, FRANCE Mourét, Rolin	SUBTERRANEAN AND SURFACE CRYPTOPID CENTIPEDE DIVERSITY IN WESTERN AUSTRALIA. Moulds, Huey, Hillier, Mallock, Harvey	GEOHERITAGE SIGNIFICANCE OF THE CLIFDEN CAVES, NSW, AUSTRALIA Osborne	IS THE INSCRIPTION DATED 1213 IN POSTOJNSKA JAMA THE OLDEST KNOWN OR NOT? Kempe	BIOGEOGRAPHY OF MICROBES FROM CAVES IN THE INTERIOR LOW PLATEAU AND APPALACHIANS KARST REGIONS Engel, Paterson, Niemiller
1:45 - 2:15 PM			THE NEW INSIGHTS ABOUT DEEP KARST SPRINGS IN THE DINARIC KARST OF CROATIA Garasic, Garasic	CHEMOLITHOAUTOTROPHICALLY BASED ECOSYSTEM OF AYALON CAVE, ISRAEL Paterson, Kolodny, Naman, Frunkin et al	KARST UNDERGROUND PROTECTION, EDUCATION AND RISE OF PUBLIC AWARENESS: EXAMPLES FROM SLOVENIA Zupan Hajna	THE EAST GERMAN SECRET SERVICE (STASI) AND ITS FOCUS ON CAVERS AND CAVE SCIENCE Knolle	
2:15 - 2:45 PM			PRESENTATION OF THE KARST IN MOROCCO AND THE FRIOLATO AND WINTIMDOUINE CAVES Aamoun	STARVING IN THE DARK: THE IMPACT OF ULTRA-SMALL CELLS ON THE MICROBIAL COMMUNITY OF THE WIND CAVE LAKES Hershey, Barton, Calapa	SUPPORT FOR SUSTAINABLE ECO-TOURISM IN PPUR (PUERTO PRINCESA UNDERGROUND RIVER) - PROJECT 2016-2017 De Vivo, Forti, Piccini	CYPRUS CAVING HISTORY Chiroi	
3:15 - 3:30 PM			Longest and Deepest Cave Commission	MICROHABITAT DISTRIBUTION OF INVERTEBRATES IN WHITE CAVE, MAMMOTH CAVE NATIONAL PARK, USA Lavoie, Huang, Huang	EVALUATING HUMAN-ENVIRONMENTAL IMPACTS TO THE KARST LANDSCAPE OF PHONG NHA-KE BANG NATIONAL PARK, VIETNAM USING A MODIFIED KARST DISTURBANCE INDEX METHODOLOGY: IMPLICATIONS FOR SUSTAINABLE TOURISM North, Polk, Vu Thi Minh, Tong Phuc et al	THE PREHISTORY OF CAVE FAUNA PARADIGMS Brick	MICROBIOLOGY & GEOMICROBIOLOGY
3:30 - 4:00 PM			Longest and Deepest Cave Commission	WATER QUALITY EVALUATION OF CHIMACHIDA LIMSTONE POOLS IN AKIYOSHI CAVE, JAPAN, USING PHYSICO-CHEMICAL AND BIOLOGICAL INDEX Ando	THE GCW/HABA CAVES RESEARCH PROJECT: PAST, PRESENT AND FUTURE RESEARCH UNDERTAKINGS Du Preez, Fourie, Ellis, Jacobs	THE SECRET OF PRIEST'S GROTTO - AN ACCOUNT OF UNDERGROUND SURVIVAL DURING THE HOLOCAUST Nicola	CAVE RESCUE COMMISSION
4:00 - 4:30 PM			Longest and Deepest Cave Commission	THE GCW/HABA CAVES RESEARCH PROJECT: PAST, PRESENT AND FUTURE RESEARCH UNDERTAKINGS Du Preez, Fourie, Ellis, Jacobs	LIV01 - LIFE AND WATER IN THE KARST REGION Zupan Hajna, Petric, Ravbar	A PRELIMINARY REPORT ON THE MAMMOTH CAVE DURING THE AMERICAN CIVIL WAR PROJECT Douglas	CAVE RESCUE COMMISSION
4:30 - 5:00 PM			Longest and Deepest Cave Commission	Paleokarst Commission	Alkantana	50TH ANNIVERSARY OF THE UIS WOMEN AND CAVING: A WORLD HISTORY Chiroi	
5:00 - 5:30 PM			Longest and Deepest Cave Commission	Paleokarst Commission	Alkantana		
5:30 - 6:30 PM			Longest and Deepest Cave Commission	Paleokarst Commission	Alkantana		

NOT AVAILABLE ALL DAY FOR BANQUET SET UP

Time	Ron Mulock AO Room
09:00 - 10AM	
09:30 - 10:00 AM	
10:00 - 10:15 AM	<p style="text-align: center;">SECOND GENERAL UIS ASSEMBLY & CLOSING CEREMONY</p>
10:15 - 10:55 AM	
10:55 - 11:10 AM	
11:10 - 11:50 AM	
11:50 - 12:30 PM	LUNCH
12:30 - 1:30 PM	
1:30 - 1:40 PM	<p style="text-align: center;">FULL UIS BUREAU MEETING</p>
1:40 - 2:10 PM	
2:10 - 2:40 PM	
2:40 - 3:10 PM	
3:10 - 3:40 PM	
3:40 - 3:55 PM	
3:55 - 4:25 PM	
4:25 - 4:55 PM	
4:55 - 5:25 PM	
5:25 - 5:55 PM	
5:55 - 6:45 PM	
6:45 - 7:30 PM	
7:30 - 8:00 PM	
8:00 - 8:30 PM	
8:30 - 9:00 PM	
9:00 - 9:30 PM	

	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	
TBA															
	UIS Bureau Meeting														
	Sunday 23 July 2017														
	Registration														
Foyer 1	Installation of Exhibitions, Vendor Stands, Posters, Salons and Vendors														
Foyer 2	First UIS General Assembly														
Marquee	Monday 24 July 2017														
Ron Mullock OA	Opening Welcome Party														
Evan Theatre	Opening Speeches	Penary Lectures		Lunch	Film: Babka Fort	Film: Paolo Fort	Film: No Place on Earth	Survey, LIDAR		16 Legs Opening	SALONS	Posters	FFS Night		
Marquee 1	Exploration and Cave Technique, Longest & Deepest														
Jamieson	Modelling in Karst Cave Environments														
Ron Mullock AO 1	Australasian Caves and Karst														
Hunter	Karst, Pseudokarst and Caves in Other Rocks														
Ron Mullock AO 2	Biospeleology, Evolution, Ecology and Threats														
	Tuesday 25 July 2017														
Marquee 1	Surveying, Mapping & Data Processing		Surveying, Mapping & Data Processing		Exploration and Cave Technique		Posters		Book launches						
Jamieson	Cave, Climate & Paleo Climate Records		Bibliography		Speleothem Research		Physical Chemistry		UIS Night						
Ron Mullock AO 1	Speleogenesis		Internet		Cave diving Commission		Document-ation on Workshop		Film: Sixteen Legs						
Ron Mullock AO 2	Extra-terrestrial Caves		Volcanic		Cave Monitoring Workshop N Michie		Arts & Letters								
Woodriff	Karst and Caves in Carbonate Rocks, Salt and Gypsum		Pacific		Karst and Caves in Carbonate Rocks, Salt and Gypsum		ISCA								
Hunter	Protection and Management of Karst, Education		JIS		Protection and Management of Karst, Education										
	Wednesday 26 July 2017														
Marquee	Sixteen Legs School Excursion														
Near Marquee	Aussie Food Night Market (Weather dependent)														
	Thursday 27 July 2017														
Marquee 1	Exploration and Cave Techniques		Exploration and Cave Techniques		Other Topics		Posters		Posters pickup						
Jamieson	Other Topics		Sci Comm		Other Topics		Australia Night								
Ron Mullock AO 1	Speleogenesis				Speleogenesis Commission		FEALC								
Ron Mullock AO 2	Archaeology and Paleontology in Caves		Lunch		Arch. cont'd		IUCN								
Woodriff	Karst and Caves in Carbonate Rocks, Salt and Gypsum				Karst and Caves in Carbonate Rocks, Salt and Gypsum										
Hunter	Protection and Management of Karst, Education		Cave Protection		Protection and Management of Karst, Education		Asian Union Speleology		FSE Meeting 2						
	Friday 28 July 2017														
Jamieson	Cave Mineralogy		Material & Techniques		Cave Mineralogy		Karst and Caves in Carbonate Rocks, Salt and Gypsum		Longest and Deepest Cave Commission						
Ron Mullock AO 1	Biospeleology, Evolution, Ecology and Threats		Biology		Biospeleology, Evolution, Ecology and Threats		Paleokarst								
Ron Mullock AO 2	Speleological Research & Activities in Artificial Underground		Lava & Volcanic Caves		Volcanic Caves		Sustainable development of Karst								
Hunter	History of Speleology and Karst		Publications Exchange Working Group		History of Speleology and Karst										
Woodriff	Geomicrobiology Research		Artificial Cavities		Geomicro. Research & Geomicro		Cave Rescue Commission								
Ron Mullock AO	Second UIS General Assembly		Flag Lowering		UIS Bureau Meeting										