

Sunday 25th June

18:00 20:00 Ice breaker / registration

Monday 26th June

08:00 08:30 Registration

08:30 10:00 **Opening ceremony**

Opening speeches

OC.T01	Bernard Poty	Fluid inclusions science during the last hundred years. Considerations of a veteran.
OC.T02	Cyril Deicha	Georges Deicha: pioneer of fluid Inclusions

10:00 10:30 Coffee break

10:30 12:00 **Session 1: Theoretical / Experimental / Analytical studies (in honour of recently-retired Jean Dubessy)**

Chairpersons: *Alfons Van den Kerkhof - Jean Dubessy*

S1.T01	Markus Wälle - Keynote	Recent developments in laser ablation ICP-MS analyses of fluid inclusions
S1.T02	Harlaux	LA-TOF-ICPMS: a promising instrument for multi-elementary analysis of fluid inclusions
S1.T03	Marshall	On the use of laser ablation inductively coupled plasma mass spectrometry chemical-mapping to identify the relative timing of healed mineral fractures and contained fluid inclusion assemblages
S1.T04	Heath	Raman Spectroscopy of CH ₄ -CO ₂ -H ₂ O fluids between 22-250 °C and 4-690 bar
S1.T05	El Mekki	Lifetime of Superheated Aqueous Solutions in Micrometric Synthetic Fluid Inclusions under static conditions

12:00 13:30 Lunch

13:30 15:00 **Session 1: Theoretical / Experimental / Analytical studies (in honour of recently-retired Jean Dubessy)**

Chairpersons: *Markus Wälle - Marie-Camille Caumon*

S1.T06	Guillerm	A new paleothermometer for evaporitic halite: Brillouin spectroscopy
S1.T07	Sublett	Liquid-vapor partitioning of Na and Ca in the H ₂ O-NaCl-CaCl ₂ system at 500-700 °C and 550-750 bars.
S1.T08	Balitsky	Metamorphic transformation of oil in relation with temperature, pressure and oil/water ratio: experiment using synthetic fluid inclusions
S1.T09	Sendula	In situ monitoring of the olivine to magnesite reaction using synthetic fluid inclusions as microreactors
S1.T10	Musiyachenko	2D and 3D Raman imaging of fluid inclusions in K-bearing tourmaline
S1.T11	Kaldos	Raman mapping as a tool for studying melt inclusions

15:00 15:30 Coffee break

15:30 17:00 **Session 3: Magmatic, magmatic-hydrothermal and volcanic environments**

Chairpersons: *XXX - François Faure*

S3.T01	Alexander Sobolev - Keynote	Inclusions of mantle derived melts: challenges and recent results
S3.T02	Asafov	Olivine-Hosted Melt Inclusions in the Ancient Komatiites – the Potential Key to the Archaean Mantle Composition
S3.T03	Andreeva	Redox parameters of magma crystallization at Changbaishan Tianchi volcano, China–North Korea
S3.T04	Creon	Silicate melt inclusion homogenization: A new mathematical approach coupling X-ray microtomography, geochemistry and thermodynamics
S3.T05	Valetich	Recalculating boninitic melt inclusion compositions from Chi-chi jima, Japan: The role of post entrapment crystallisation

17:00 18:30 Poster session / refreshments

Tuesday 27th June

08:00 10:00 Bus trip to Champagne

10:30 12:00 **Session 2: New frontiers in inclusion research**

Chairperson: *XXX - Jacques Pironon*

S2.T01	David Bonhommeau - Keynote	Molecular dynamics simulations and ¹³ C NMR spectroscopic measurements for the study of CO ₂ and ethanol diffusion in Champagne wines
S2.T02	Bobo	Inclusions in minerals vs inclusions in organic single crystals: what can we learn from each other?
S2.T03	Giuliani	Fluid inclusions study of "trapiche" and non- "trapiche" rubies from Mong Hsu, Myanmar
S2.T04	Faure	A magmatic origin for silica-rich glass inclusions hosted in porphyritic magnesian olivines in chondrules: an experimental study

	S2.T05	Florentin	3D-imaging of glass inclusions from Allende (CV3) olivine via SIMS: a new insight on chondrule formation conditions.
12:00	14:00	Lunch and Champagne tasting	
14:00	16:00	Vist: insight into the world of Champagne	
16:30	18:30	Return trip to Nancy	

Wednesday 28th June

08:30	10:00	Session 3: Magmatic, magmatic-hydrothermal and volcanic environments <i>Chairpersons: Alexander Sobolev - François Faure</i>	
	S3.T06	Cannatelli	Evolution of magma at Copahue volcano (Chile/Argentina): insights from melt inclusions
	S3.T07	Nizametdinov	The features of melt inclusions composition from Menshiy Brat volcano basalts, Iturup Island, Southern Kurile Islands
	S3.T08	Bali	Deducing volatile content of the central Iceland mantle source from silicate melt inclusions of the 2014-2015 Holuhraun eruption
	S3.T09	Hermes	Polyminerale inclusions indicating a melting event in eclogite-facies rocks from a 2 Ga old subducted oceanic crust
	S3.T10	Guzmics	Study of mafic melt inclusions from Kerimasi Volcano (Tanzania)
	S3.T11	Neyedley	Fluid and melt inclusion record of volatile and intercumulus melt evolution in a barren gabbro, Caribou Lake, Northwest Territories, Canada
10:00	10:30	Coffee break	
10:30	12:00	Session 3: Magmatic, magmatic-hydrothermal and volcanic environments <i>Chairpersons: Volker Lüders - Antonin Richard</i>	
	S3.T12	Mavrogenes	High temperature fluids and melts in the Grasberg porphyry Cu-Au deposit
	S3.T13	Kaufmann	The magmatic-hydrothermal transition at the Torres del Paine igneous complex, Chile - documented by silicate melt and aqueous fluid inclusions in miarolitic quartz
	S3.T14	Korges	The magmatic-hydrothermal evolution of the ore-forming fluids of the Zinnwald Sn-W-Li deposit, Germany
	S3.T15	Legros	Origin and evolution of ore-forming fluids in the Maoping and Piaotang W-Sn deposits (Jiangxi, China)
	S3.T16	Cathelineau	Are we sure to know the fluids responsible for W mineralization at Panasqueira (Portugal) : the case for loss of information due to intense quartz recrystallization and FI natural decrepitation
	S3.P11	Fiedrich	The magmatic-hydrothermal transition reflected in coexisting fluid and melt inclusions from erupted quartz grains at Corrida de Cori (Argentina)
12:00	13:30	Lunch	
13:30	15:00	Session 3: Magmatic, magmatic-hydrothermal and volcanic environments <i>Chairpersons: John Mavrogenes - Antonin Richard</i>	
	S3.T18	Daniel Moncada - Keynote	Fluid inclusions from active and fossil hydrothermal system in Chile
	S3.T19	Redina	Fluid inclusion study of fluorites from the Mushugai-Khuduk carbonatite complex (Southern Mongolia)
	S3.T20	Bazarkina	Raman-investigation on fluid inclusions in quartz of Sr-Ba carbonatites of the Murun complex, Eastern Siberia, Russian Federation
	S3.T21	Richter	Hydrothermal epidiosites in the oceanic crust: products of alteration by seawater or magmatic brines?
	S3.T22	Kerr	Upgrading of an orogenic gold-quartz-carbonate vein system by magmatic-hydrothermal fluids in the Hope Bay Greenstone Belt, Nunavut, Canada
15:00	15:30	Coffee break	
15:30	17:00	Session 4: Deep fluids and metamorphic environments <i>Chairpersons: Larryn Diamond - Alexandre Tarantola</i>	
	S4.T01	Van der Kerkhoff - Keynote	Deciphering fluid inclusions in high-grade rocks
	S4.T02	Berkesi	Pargasite in fluid inclusions of mantle xenoliths from northeast Australia (Mt. Quincan): sign of interaction of asthenospheric fluid
	S4.T03	Aradi	Fluid inclusions in mantle xenoliths from the Styrian Basin (W-Pannonian Basin) as remnants of metasomatism
	S4.T04	Touret	Vein-type graphite deposits in Sri Lanka: the ultimate fate of granulite fluids
	S4.T05	Prokofiev	Gold-rich fluid inclusions in gold-bearing quartz from the Kola superdeep borehole (SG-3), Kola Peninsula, Russian Federation
17:00	18:15	Poster session / refreshments	
19:15	22:30	Gala diner	

Thursday 29th June

08:30	10:00	Session 4: Deep fluids and metamorphic environments <i>Chairpersons: Maria Luce Frezzotti - Alexandre Tarantola</i>	
	S4.T06	Shchepetova	Raman spectroscopic study of fluid inclusions from diamond bearing kyanite gneisses
	S4.T07	Frezzotti	Carbon, halogens and sulfur: key volatiles in the lithosphere
	S4.T08	Althoff	Constraints on the evolution of the Itajaí-Perimó shear zone, southern Brazil, provided by fluid inclusions
	S4.T09	Mullis	Fluid immiscibility in the Central Alps

	S4.T10	Burisch	Methane and the origin of five-element veins: Mineralogy, age, fluid inclusion chemistry and ore forming processes in the Odenwald, SW Germany
	S4.T11	Scheffer	Magmatic to meteoric fluid reservoirs during exhumation of the Cyclades: Implications for the deposition of the Pb-Zn-Fe-Cu-Ag district (Lavrion, Greece)
10:00	10:30	Coffee break	
10:30	12:00	Session 5: Sedimentary and diagenetic environments <i>Chairpersons: Andras Fall - Jacques Pironon</i>	
	S5.T01	Diamond	Trapping mechanisms of primary fluid inclusions in calcite: Insight from gas and oil inclusions in scales from a geothermal well
	S5.T02	Martz	Multiple fluid flow events and localized circulation around major graphitic Hudsonian fault: a key for the formation of the Cigar Lake U deposit (Athabasca basin, Canada)
	S5.T03	Sosnicka	TSR-controlled Zn-Pb mineralization in Zechstein carbonate (Ca2) in the Lower Saxony Basin, Germany
	S5.T04	Hanley	Polymetallic (U-As-Ni-Co-Ag-Bi-Sb) vein deposits preserve inclusion evidence of basement infiltration of formation brines and metal-enriched hydrocarbons from former overlying intracratonic sedimentary basins
	S5.T05	Costanzo	Hydrocarbon bearing fluids trapped in vuggy quartz euhedra from the Miocene Snoqualmie Granite hosted Green Ridge Breccia, King County, WA, USA.
	S5.T06	Gui	Differential Hydrocarbon Charge history in the Thrust and Slope Belts in the Kuqa Foreland Basin, Western China: Insight from fluid inclusion analysis and reservoir diagenesis investigation
12:00	13:30	Lunch	
13:15	15:00	Session 5: Sedimentary and diagenetic environments <i>Chairpersons: Julien Bourdet - Jacques Pironon</i>	
	S5.T07	Julien Bourdet - Keynote	Gas, salinity and temperature evolution of formation water in gas-rich basins: lessons on quartz cementation
	S5.T08	Fan	Discovery and significance of bitumen - methane two-phase inclusions of the Sinian Dengying Formation in the Sichuan Basin
	S5.T09	Fall	Bed-parallel beef veins and cross-cutting vertical fractures in the Vaca Muerta Formation, Argentina: a fracture opening and cementation history
	S5.T10	Lu	Different accumulation mechanisms of the typical deep reservoirs in Tarim Basin according to fluid inclusion analysis and trapping pressure recovery
	S5.T11	Pironon	How fluid inclusions can help us to reconstruct geodynamics in the French Western Pyrenees?
	S5.T12	Huang	Charge history of CO2 and CH4 in Lishui sag, East China Sea Basin: Evidence from Raman quantitative analysis of CO2 and CH4 bearing fluid inclusions
15:00	16:00	Plenary discussion and closing ceremony	

Posters

Session 1: Theoretical / Experimental / Analytical studies (in honour of recently-retired Jean Dubessy)

S1.P01	Bazarkina	Thermochemistry of individual fluid inclusions: experimental study and thermodynamic modeling
S1.P02	Bouillong	A new relation between CO ₂ density and Fermi diad Raman shift from experimental HPOC analyses. Application to natural CO ₂ -H ₂ O-NaCl fluid inclusions.
S1.P03	Bussweiler	Rapid Multi-Element Analysis with Laser Ablation Inductively Coupled Plasma Time-of-Flight Mass Spectrometry (LA-ICP-TOFMS) – A Powerful Tool for the Study of Fluid Inclusions
S1.P04	Dos Santos	Solubility of methane in hydrocarbons by coupling infrared microspectroscopy with microcapillaries
S1.P05	Guillerm	Negative pressures, supersaturation and precipitation in halite fluid inclusions: unsuspected phenomena and their implications for paleothermometry
S1.P06	Hurai	Laser-induced photolysis and oxidative coupling in CH ₄ -H ₂ S-S ₈ inclusions
S1.P07	Petrov	Fluid inclusions in structural geology studies: an example of the Antei Mo-U deposit (southeastern Transbaikalia, Russia)
S1.P08	Richard	Lithium isotopes in fluid inclusions as tracers for crustal fluids: An exploratory study
S1.P09	Richard	Advances in 3D imaging and volumetric reconstruction of fluid inclusions by high resolution X-ray computed tomography
S1.P10	Wang	Raman densimeter for fluid inclusions of CO ₂ -H ₂ O system: The temperature and pressure effects

Session 2: New frontiers in inclusion research

S2.P01	Balitsky	Reasons of formation of the fluid inclusions in the crystals of synthetic quartz with high germanium content
S2.P02	Bassez	Fluid inclusions in radioactive rocks and geobiotropy
S2.P03	Bobo	Inclusions in minerals vs inclusions in organic single crystals: state-of-the-art of surprising similarities

Session 3: Magmatic, magmatic-hydrothermal and volcanic environments

S3.P01	Aissa	Fluid inclusion studies of the Tin Felki rare - metal pegmatite (Iskel Terrane, Tuareg Shield-South Algeria)
S3.P02	Andreeva	Comendite melts of the Sant bimodal magmatic association, Central Mongolia: chemical composition, crystallization parameters, trace elements, and volatile components
S3.P03	Andreeva	Evolution of magmas of the basalt-trachydacite-pantellerite rock series of Dzarta-Khuduk bimodal volcanic association (Central Mongolia): evidence from melt inclusions
S3.P04	Ankushveva	Fluid inclusion characteristics of ore-forming fluids in the Kyzyl-Tashtig VMS-polymetallic deposit, Eastern Tuva, Siberia, Russia
S3.P05	Avalos	An exploration model for porphyry copper deposits in the Collahuasi Mining District, Chile, based on petrography of fluid inclusions
S3.P06	Benkó	Determination of the origin of fluids by noble gas isotope analyses: case studies of carbonatites (S India) and VMS deposits (N Italy, Albania)
S3.P07	Calisto	Numerical simulation of a fossil geothermal system in northern Chile
S3.P08	Chinchon	Fluid inclusion studies in the Cerro Bayo low sulfidation precious metals epithermal district of the Chilean Patagonia: Exploration Applications
S3.P10	Desanois	Fluid inclusion studies in ore minerals from the polymetallic epithermal Pirquitas Sn-Ag deposit, Jujuy Province, NW Argentina
S3.P12	Gómez	Mineralizing fluids from the Alhué mining district, Chile
S3.P13	Gourcerol	Reconstructing the PTX conditions of a possible Archean porphyry-type deposit: the 2740 Ma Côté Gold Au(-Cu) Deposit, Canada
S3.P14	Gunnarsson	Volatile concentration of magmas in the Veidivötn fissure swarm, Iceland based on fluid and silicate melt inclusions
S3.P15	Gunnarsson	Magma storage conditions in the Veidivötn fissure swarm in Iceland
S3.P16	Heinig	Mineralogy, geochemistry and fluid inclusion analyses of the NamXe rare earth mineral prospect - preliminary data
S3.P17	Kieffer	Mineralogy and fluid inclusions of amethyst veins, Auvergne, Central Massif France: Implication for hydrothermal evolution and genesis

S3.P18	Lagraa	Porphyry style Mo-Cu mineralization in the Paleoproterozoic Eglab massif, SW Algeria: evidence from fluid inclusions
S3.P19	Maia	Study of fluid-rock interaction in a Variscan biotite granite from Beiras Uraniferous subprovince (Portugal). Preliminary results
S3.P20	Moncada	Pilot Data from Fluids in Faults from above the Chilean Triple Junction show shallow flashing
S3.P21	Monnier	Fingerprinting W-Sn-Nb-Ta-Sb mineralization by coupled fluid inclusion – trace element investigation of vein quartz: The Echassiere granitic complex (Massif Central, France)
S3.P22	Müller	Characterization of selected fluid inclusions belonging to the Los Bronces porphyry Cu(-Mo) deposit, Chile
S3.P23	Muñoz	Characterization of mineralized fluids from Chancón mining district; applications in energy-related technologies
S3.P24	Nasraoui	Relationship between magma and Cu-mineralization in Eastern Jbilet (Morocco)
S3.P25	Nazaire	Structural and metallogenic context of the Bakoudou gold deposit (Gabon)
S3.P26	Németh	Preliminary silicate melt inclusion study in phenocrysts from the Csomád (Ciomadul) volcano (Eastern Carpathians)
S3.P27	Padyar	Fluid inclusion analyses on hydrothermal quartz in Latala epithermal base and precious metal deposit, kerman copper belt, Central Iran
S3.P28	Patkó	Tracking wehrlitization process using silicate melt inclusions in upper mantle xenoliths from Nógrád-Gömör Volcanic Field (Northern Pannonian Basin)
S3.P29	Petrov	Scaling of fluid-flow pathways related to Strel'tsovsk Uranium District, Russia
S3.P30	Pintea	Fluid and melt inclusions study related to the magmatic-hydrothermal apatite-anhydrite association from Voia porphyry Cu-Au (Mo) deposit (Metaliferi Mountains, România)
S3.P31	Prokofiev	Gas components of gold deposits mineralizing fluids in geological history of Earth
S3.P32	Redin	Characteristics of fluid Inclusion of the Lugokan Au-Bi Deposit (Eastern Transbaikalia)
S3.P33	Sedge	Fluid inclusion characteristics of hydrothermal platinum group element remobilization in an alkalic Cu-Pd-Au porphyry deposit, Afton, British Columbia, Canada
S3.P34	Solovova	Evidence of the interaction between deep magma and fluid: ultrabasic rocks of the Uitkomst Complex, South Africa
S3.P35	Tapia	The abundance of strategic elements in pegmatites from Puyuhuapi, Chile
S3.P36	Tolstykh	Role of rhyodacitic melts in formation of andesitic and dacitic rocks: evidence from inclusions in minerals from the Shiveluch and Ichinsky volcanic centers, Kamchatka
S3.P37	Vikent'eva	Au-Bi deposits at the North-East of Russia: PTX parameters and sources of hydrothermal fluids
S3.P38	Vikent'eva	The large Svetlinsk Au-Te deposit, South Urals: fluid composition and formation conditions
S3.P39	Vikentyev	Vorontsovsk Carlin-style gold deposit in the North Urals: fluid inclusions and isotope data for genetic model
S3.P40	Moncada	Geothermal fluids and mineral scales at Irruputuncu and Olca, Chile; searching for strategic minerals

Session 4: Deep fluids and metamorphic environments

S4.P01	Althoff	Fluid inclusions constraints on the origin of Ribeirão da Prata lead and zinc ore deposit (southern Brazil)
S4.P02	Burisch	Tracing fluid migration pathways in the root zone below unconformity-related hydrothermal veins: insights from trace element systematics of individual fluid inclusions
S4.P04	Klyukin	Fluid evolution and genesis of the North American Emerald Mine (NAEM), NC, USA
S4.P05	Kropf	Fluid inclusions of Sb vein-type mineralizations along the Berga Anticline, Eastern Thuringia, Germany
S4.P06	Liptai	Silicate melt inclusions recording metasomatism in an upper mantle lherzolite xenolith from the northern Pannonian Basin
S4.P07	Marignac	The Sierra de Lujar (Andalusia, Spain) fluorite deposit: a variety of brines in a post-metamorphic alpine deposit, insight from a fluid inclusion study
S4.P08	Mullis	Driving forces for dissolution / precipitation of quartz as exemplified on a Alpine fissure from Zinggstock, Central Alps, Switzerland. A discussion.
S4.P09	Mullis	Pro- and retrograde fluid inclusions in the Central Alps, Switzerland
S4.P10	Nikitin	Properties of ore-forming solutions of the Severnoye gold-uranium deposit, Elkon uranium ore region, Republic of Sakha (Yakutia, Russia)
S4.P11	Pascal	Fluid inclusion analysis of variably altered graphitic pelitic schists in the Dufferin Lake Zone, south-central Athabasca Basin, Canada: implications for graphite loss and uranium deposition
S4.P12	Prokofiev	The physical-chemical parameters and composition of mineralizing fluids of gold deposits in Northern Transbaikalia, Russian Federation
S4.P13	Quesnel	Circulation of primary brines at the origin of the world-class Trimouns talc - chlorite deposit (Pyrenees, France)
S4.P14	Szabo	Preliminary results of study on fluid inclusions in mantle xenoliths from the Perşani Mountains, Eastern Transylvanian Basin
S4.P15	Tacchetto	Study of polycrystalline inclusions in garnets from granulites of the Athabasca Granulite Terrane (Canada)
S4.P16	Tarantola	Metamorphic and basin fluids trapped in Evia Island alpine quartz crystals during exhumation of the Attic-Cycladic Metamorphic Complex (Greece)
S4.P17	Volkov	Parameters and composition of fluids of Gold-quartz Deposits Localized in Terrigenous Sequence and Granitoids (North-East Russian Federation)
S4.P18	Wafik	Study of the Cr-Ni-Fe-Cu and graphite mineralization of the Beni Bousera Massif (internal Rif, Morocco)
S4.P19	Yassaghi	Application of fluid inclusions on assessment of deformation condition of thrust sheets in Zagros suture zone

Session 5: Sedimentary and diagenetic environments

S5.P01	Balitsky	Synthetic fluid inclusions and their role in the estimation of oil and gas potential of bituminous rocks
S5.P02	Bourque	NaCl-CaCl ₂ -H ₂ O brines in sediment hosted Cu-ores and amethysts from Anti-Atlas, Morocco
S5.P03	Cipriani	Fluid Inclusions in the Crotone Basin Salt Dome and the implications for crystal deformation
S5.P04	Elias-Bahnan	Evidences of hydrothermal fluid impacts in the Upper Lacq carbonate petroleum reservoir (Southwestern France)
S5.P05	Gigon	An overview of fluid inclusion studies of U, Cu and Pb-Zn deposits in the Proterozoic McArthur Basin (Northern Territory, Australia)
S5.P07	Hua	Gas physical properties and their implication on gas saturation in deep reservoirs
S5.P08	Katai	Fluid inclusion study of salt rocks from Praid salt mine (Transylvania, Romania)
S5.P09	Liu	Fluid Inclusion-constrained Charging History and Implication for Exploration of Volcanic Reservoir in Songliao Basin, Northeast China
S5.P10	Ma	Hydrocarbon charge history and palaeo oil reservoir restoration in Anyue Cambrian gas field in Sichuan basin: detailed evidence from fluid inclusions and quantitative grain fluorescence
S5.P11	Mráz	Diagenetic fluids within carbonates of the Weißjura-Group (Upper Jurassic) at deep geothermal wells in southern Germany
S5.P12	Yensepbayev	The thermometric study of gas-water inclusions of the Paleozoic rocks of the Caspian basin and the Sakmara zone of Mugodzhay