16 SEPTEMBER

Workshop

9.00	Transfer Trento → San Michele
9.30 – 10.00	Registration
10.00 - 11.00	GOOD PRACTICE IN IRMS ANALYSIS (part I), Speakers: Philip Dunn, Rebecca Kraft
11.00 – 11.15	Coffee break
11.15 – 13. 10 13.10 – 14.00	GOOD PRACTICE IN IRMS ANALYSIS (part II) Speakers: Philip Dunn, Rebecca Kraft Lunch
14.00 – 15.30	ISOSCAPE (part I), Speakers: Jason West, Gabriel Bowen, Stefano Larsen
15.30 – 15.45	Coffee break
15.45 – 17.00	ISOSCAPE (part II), Speakers: Jason West, Gabriel Bowen, Stefano Larsen
17.30 – 19.00	ICE BREAKING: Visit of the Ancient Wine Cellar & Wine Tasting
19.00/19.30	Transfer San Michele → Trento

7th Conference of the Forensic Isotope Ratio Mass Spectrometry Network

Programme

17 SEPTEMBER

8.30	Transfer Trento → San Michele
9.00 - 9.30	Registration and Poster installation
9:30 - 10.00	Welcome address
	Session 1: Isoscape/origin traceability chairs Philip Dunn, Jim Ehleringer
10.00 - 11.00	Jason West (Department of Ecosystem Science and Management, Texas A&M University)
	Progress and opportunities for the use of isoscapes in forensic science
11.00 - 11.30	Coffee break
11.30 - 11.50	Sarah Magozzi (Department of Geology and Geophysics, University of Utah)
	Combining models of environment, behavior, and physiology to predict tissue hydrogen and oxygen isotope variance among individuals
11.50 - 12.10	Fábio Costa (Brazilian Federal Police)
	Pinpointing timber origin with assignment tests using foliar isoscapes of Amazonian trees
12.10 - 12.30	Florian Cueni (University of Basel, DUW – Botany)

Predicting the Geographic Origin of Berries Using Mechanistic Oxygen and Hydrogen Stable Isotope Models

12.30 - 12.50 *Gabriel Bowen* (Department of Geology & Geophysics and Global Change and Sustainability Center; University of Utah)

Groundwater isoscapes for the contiguous USA

	Groundwater isoscapes for the contiguous USA
12.50 - 13.10	Discussion
13.10 - 14.00	Lunch
	Session 2: Human Remains chairs John Howa, Jeson West
14.00 - 14.40	Clement P. Bataille (University of Ottawa)
	Sulphur Isotopes in Human Hair: Diet vs. Provenance
14.40 - 15.00	Lesley A. Chesson (PAE, DPAA Laboratory, Joint Base Pearl Harbor-Hickam)
	Development of the DPAA's isotope testing program for unidentified human remains
15.00 – 15.20	Gregory E. Berg (DPAA Laboratory, Joint Base Pearl Harbor-Hickam)
	Classification(s) of Isotope Signatures in Unidentified Human Remains
15.20 - 15.40	Christy J. Mancuso (Department of Biology, University of New Mexico)
	Using Amino Acid Specific Stable Isotope Ratios in Human Scalp Hair for Residency Determination
15.40 - 16.10	Coffee break
16.10 - 16.30	Melanie M. Beasley (Department of Anthropology, Purdue University)
	Using $\delta^{15}N$ from Soldier Fly Larvae for Postmortem Interval (PMI) Estimation
16.30 - 16.50	Gabriela B. Nardoto (Department of Ecology, University of Brasília)
	New perspectives in human forensic anthropology: linking social dimensions and diet through the stable isotopes in fingernails
16.50 - 17.10 University)	Tiffany B. Saul (Forensic Institute for Research and Education, Middle Tennessee State
	Postmortem Preservation of Isotope Ratios of Human Hair
17.10 - 17.30	Discussion
17.30	Poster session and Aperitiv
19.30	Transfer San Michele → Trento

18 SEPTEMBER

8.00	Transfer Trento → San Michele
	Session 3: Food chairs Federica Camin, Kylie Jones
8.30 - 9.00	Registration
9.00 - 9.40	Laura Gambino (Department of Central Quality Inspection and Fraud Repression of Agri-Food Products (ICQRF) Italian Ministry of Agricultural, Food, Forestry and Tourism Policies (MIPAAFT) Laboratory of Catania)
	Forensic application of stable isotope ratios analysis in official food control: Activity carried out by the ICQRF-Laboratory
9.40-10.00	Pavel A. Solovyev (Department of Food Quality and Nutrition, Research and Innovation Centre, Fondazione Edmund Mach)
	IRMS, SNIF-NMR and Proton NMR in Wine Analysis
10.00 - 10.20	Doris Potočnik (Department of Environmental Sciences, Jožef Stefan Institute)
	Development of new food matrix reference materials for stable isotope analysis
10.20 - 10.40	Andreas Zitek (FFoQSI GmbH - Austrian Competence Centre for Feed and Food Quality, Safety & Innovation, Technopark, Tulln)
	Establishing a 87Sr/86Sr isotope ratio landscape of Austria for food provenancing
10.40 - 11.10	Coffee break
11.10 - 11.30	Jose M. Moreno-Rojas (Department of Food Science and Health. Andalusian Institute of Agricultural and Fisheries Research and Training, IFAPA)
	The use of stable isotope ratios for the authentication of agrifood industry products in Andalusia
11.30 - 11.50	Syahidah Akmal Muhammad (Environmental Technology Division, School of Industrial Technology, Universiti Sains Malaysia)
	Addressing the unfulfilled codex standard for honey for stingless bee honey through dehumidifying process
11.50 – 12.10	Discussion
12.10 - 13.00	Visit of the lab
13.00 – 14.00	Lunch
Se	ession 4: QC method/sponsors chairs Clement P. Bataille, Laura Gambino
14.00 - 14.40	Kylie Jones (Forensics, Specialist Operations, Australian Federal Police)
	Isotopic Databases for Operational Forensic Casework - Current Focus, Casework Examples and Future Plans for IRMS within the Australian Federal Police Laboratory
14.40 - 15.00	Philip J. H. Dunn (National Measurement Laboratory, LGC Ltd)
	The FIRMS PT Scheme: What can be learned about inter-laboratory performance?

15.00 - 15.20	Gwyneth Gordon (School of Earth & Space Exploration, Arizona State University)
	From hydrogen to uranium and back: QA/QC and reporting for radiogenic and heavy mass-dependent isotopes
15.20 - 15.40	Jim Ehleringer (School of Biological Sciences, University of Utah)
	Stable isotope evidence introduced into U.S. courts
15.40 - 16.10	Coffee break
16.10 - 16.30	Mario Tuthorn (Thermo Fisher Scientific)
	Advances in multi-element isotopic bulk analysis for forensic applications
16.30-16.50	Mike Seed (Elementar UK Ltd)
	Introducing new quality control features for stable isotope laboratories using Elementar instruments and software
16.50 - 17.10	Discussion
17.45	Transfer for TheSocial Dinner
18.00	Social dinner at Cantine Rotari Mezzocorona
22.00/22.30	Transfer Cantine Rotari → Trento

19 SEPTEMBER

8.00 Transfer Trento \rightarrow San Michele

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8.30 - 9.00	Registration
9.00 - 9.20	Frank Hülsemann (German Sport University Cologne, Institute for Biochemistry)
	Atypical $\delta^{13}C$ values of urinary norandrosterone in doping control analysis
9.20 - 9.40	Loredana Iannella (Laboratorio Antidoping, Federazione Medico Sportiva Italiana)
	The IRMS anti-doping analysis: applications and current challenges
9.40 - 10.00	Carlos Eduardo Souto de Oliveira (EFS Pesquisa e Inovação, Brasil)
	Application of traditional (Pb, Sr, Nd, C) and non-traditional (Zn, Cu, Fe, Cl) isotopes to discriminate and investigate pollutant sources in environmental contamination
10.00 - 10.20	Thomas P. Doherty (Picarro Inc)
	A Spectral Analysis Method to Eliminate Methanol and Ethanol Interference with CRDS Measurements of Water Isotope Ratios
10.20 - 10.50	Coffee break
10.50 - 11.10 Lausanne)	Denis Werner (Ecole des sciences criminelles (School of criminal justice, University of
	Source inference of gasoline traces: implementation of a multiblock method to combine data from MS and IRMS
11.20 - 11.40	Concetta Pironti (Department of Chemistry and Biology, University of Salerno)
	Biodegration of commercial surfactants: identification of degradations products by stable isotope carbon composition
11.40 - 12.00	Lisette M. Kootker (Geology & Geochemistry cluster, Vrije Universiteit Amsterdam,)
	Spatial variations in ⁸⁷ Sr/ ⁸⁶ Sr ratios in modern human dental enamel and tap water from the Netherlands: implications for forensic provenance studies
11.50 - 12.10	Discussion and Closing remarks
12.30 – 14.00	Lunch
14.00	Transfer San Michele → Trento