PROGRAM

7th CoDaWork 2017, 5-9 June, Abbadia San Salvatore (Siena, Tuscany, Italy)					
Time	Monday 5	Tuesday 6	Wednesday 7	Thursday 8	Friday 9
8:30-9:00	Registration course	Registration - Opening			
9:00-10:00	Introductory Course A. Buccianti J.J Egozcue J.A. Martin V. Pawlowsky	General K. Hron	Env-1 G. Monti	Stats-2 P. Filzmoser	Social-3 G. Van den Boogaart
10:00-11:00		Social-1 M. Gallo	Function J.J. Egozcue	Geo-2 R. Tolosana	Maths A. Menafoglio
11:00-11:30	COFEE-BREAK				
11:30-12:30	Introductory Course A. Buccianti J.J Egozcue J.A. Martin V. Pawlowsky	Stats-1 V. Pawlowsky	Social-2 R.S. Kenett	Zero G. Mateu-Figueras	Omics-2 J. Palarea-Albaladejo
12:30-13:30		Geo-1 A. Buccianti	Omics-1 K. Hron	Time M. Templ	Env-2 R. Tolosana
13:30-15:00	LUNCH	LUNCH - POSTER	LUNCH - POSTER	LUNCH - POSTER	Closing - J.J. Egozcue
15:00-15:50	Introductory Course A. Buccianti J.J Egozcue J.A. Martin V. Pawlowsky	Poster-1 P. Secchi	Poster-2 B. Raco	Poster-3 M. Corongiu	
15:50-16:00		move to	Excursion	move to	
16:00-17:00		Invited: P. Brito J.A. Martín	Excursion	Invited: A. Demetriades A. Buccianti	
17:00-17:30	COFEE-BREAK	COFEE-BREAK	Excursion	COFEE-BREAK	
17:30-18:30	Introductory Course / Registration	CoDa-Association	Excursion & Social Dinner	Poster Award/ Hands on session G. Monti	
18:30-19:30					
19:30-**:**	Ice Breaker				

TUESDAY 6th June

Time	SESSION	Authors (Underline means presenting author)	Title
09:00-10:00	GEN-1	J. J. Egozcue, V. Pawlowsky-Glahn	Compositional data: simple questions, difficult answers
	GEN-2	M. Greenacre	Towards a pragmatic approach to compositional data analysis
	GEN-3	J. Bacon-Shone, E. Grunsky	Process identification and modelling for compositional data
10:00-11:00	SOC-1-1	R. S. Kenett, J.A. Martín, M. Vives-Mestres	Association rules and compositional data analysis: implications to big data
	SOC-1-2	J. Morais, C. Thomas-Agnan, M. Simioni	Compositional data modeling of the French automobile market: how do media investments impact brand market-shares?
	SOC-1-3	B. Ferrer-Rosell, G. Coenders	Tourist expenditure allocation and total expenditure in low cost and full-service carriers
11:30-12:30	STA-1-1	P. Filzmoser, P.Kynclova, K. Hron , C. Reimann	Symmetric Balances for Determining Pairwise Association Between Compositional Parts
	STA-1-2	K. Hron, P. Filzmoser, P. de Caritat, E. Fiserova, A. Gardlo	Weighted Pivot Balances: Simulations and Application to Geochemical Mapping
	STA-1-3	M. Comas, J.A. Martin , G. Mateu, J. Palarea	Maximum likelihood estimation for the logistic-normal-multinomial distribution
12:30-13:30	GEO-1-1	A. Prior-Arce, R. Tolosana, M. Verlaan, J. Bendorf	Resource Model Updating by Compositional Sequential Ensemble Filtering
	GEO-1-2	N. Caciagli	Use of Compositional Data Analysis and Machine Learning for Resource Estimation Support
	GEO-1-3	J.C. Ordóñez-Calderón, S. Gelcich, J.F. Oliveira	Applied Data Analytics on Multi-element Geochemistry for Pre-mining Characterization of Geological and Geometallurgical Attributes: Examples from the Rosemont Cu-Mo-Ag Skarn Deposit, Tucson, Arizona
Poster	P1-1	A. Gardlo, K. Hron	Weighted pivot balances applied to metabolomics
	P1-2	B. Ferrer, V. Pawlowsky, J.J. Egozcue, G. Coenders	Can Likert scales be compositional?
	P1-3	C. Gozzi, A. Buccianti, F. Frondini	New insights on the geochemistry of the Alpine drainage basin rivers from the CoDA perspective
	P1-4	D. Quintas, J. Corral-Lopez, M.I. Ortego	Spatial variability of geochemical concentrations in agricultural soil at European scale
	P1-5	LaRoche, D.D., Billheimer, D., Sinari, S., Michels, K., LaFleur, B.J.	RNA-Seq as a Relative Abundance Measure: opportunities afforded by a compositional analysis framework
	P1-6	D. Dumuid, T.E. Stanford, J.A. Martin, T.S. Olds, L.K. Lewis, P.T. Katzmarzyk, C. Maher	The adiposity associations of reallocating physical activity, sedentary behaviour and sleep: A Compositional Data Analysis Approach
	P1-7	O.F. Gulban, F. De Martino	Application of Aitchison metrics on magnetic resonance imaging data with multiple contrasts at ultra high field (7 Tesla) to investigate compositional characteristics of brain tissues in living humans
	P1-8	J.R. Wu, J.M. Macklaim, B.L. Genge, G. Gloor	Finding the centre: corrections for asymmetry in high-throughput sequencing datasets
	P1-9	G.S. Monti, G. Mateu, M. I. Ortego, V. Pawlowsky, J.J. Egozcue	Modified Multivariate Kolmogorov-Smirnov Test of Goodness of Fit
	P1-10	I. Erb, T. Quinn, D. Lovell, C. Notredame	Differential proportionality - an alternative to differential gene expression not requiring sample normalization

WEDNESDAY 7ᵗʰ June

Time	SESSION	Authors (Underline means presenting author)	Title
09:00-10:00	ENV-1-1	L.E. Parent	Soil and plant diagnostic concepts revisited using compositional methods
	ENV-1-2	J. Corral-Lopez, M. I. Ortego, R. Feixa-Compte	Evolution of the composition of extreme wave storms in the Catalan coast: a Bayesian approach
	ENV-1-3	A. Speranza, R. Caggiano, S. Margiotta, V. Summa	Compositional data analysis of element concentrations of simultaneous sizesegregated PM measurements
10:00-11:00	FUN-1	R. Talska, A. Menafoglio, K. Hron, J. Machalova, E. Fiserova	Functional linear regression models with distributional response
	FUN-2	J. Machalová, K. Hron, R. Talská, A. Menafoglio	Simplicial splines for representation of density functions
	FUN-3	A. Menafoglio, M. Grasso, P. Secchi, B. M. Colosimo	A Bayes Space Approach to Profile Monitoring of Probability Density Functions for Image Data
11:30-12:30	SOC-2-1	S.Y. Coleman	Analysing activities in a classroom – Remembrances of John Aitchison in Hong Kong with applications to a Service Provider
	SOC-2-2	M.I. Ortego, A. Perez-Foguet, R. Gine-Garriga	Construction of an aggregated indicator of access to water: A compositional point of view
	SOC-2-3	S.H. Kim, N.R. Strenger, N. Lee	Latent Dimensions of Religiousness and Spirituality: A Longitudinal Correlated Topic Model
12:30-13:30	OMI-1-1	J. Rivera-Pinto, V. Pawlowsky, J.J. Egozcue, R. Paredes, M. Noguera-Julian, M. Luz Calle	Balance selection in microbiome studies
	OMI-1-2	J.T. Morton, J. Sanders, R.A. Quinn, D. McDonald, A. Gonzalez, Y. Vázquez-Baeza, J.A. Navas-Molina, S.J. Song, J.L. Metcalf, E.R. Hyde, M. Lladser, P.C. Dorrestein, R. Knight	Balance trees reveal microbial niche differentiation
	OMI-1-3	A. Washburne	Open Challenges in the Phylogenetic Factorization of Compositional Data
Poster	P2-1	I. Galvan-Femenia, J. Graffelman, C. Barcelo-i-Vidal, L.Sumoy, V. Moreno, R. de Cid	Multidimensional scaling for relatedness research: an application of the Aitchison distance
	P2-2	T.C. Leung, J. Bacon-Shone	Modelling censored compositional data in the correct censored space
	P2-3	J. Rendlova, K. Facevicova, K. Hron, P. Filzmoser	Robust Principal Component Analysis for Compositional Tables
	P2-4	J.D. Silverman, J. Smith	Compositional challenges in the analysis of flow cytometry cell count data
	P2-5	J. D. Silverman, A. Washburne, S. Mukherjee, L.A. David	A phylogenetic isometric log-ratio transforms for analysis of microbiota survey data
	P2-6	M. Grifoll, M.I. Ortego	Characterization of the container ow evolution in a multi-gateway port system using compositional data
	P2-7	N. Gupta, S.E. Mathiassen, M. Heiden, D. Hallman, M.B. Jørgensen, A Holtermann	Gender differences in time spent sedentary and in physical activity during leisure: A comparison of data analyzed using a traditional approach and compositional data analysis
	P2-8	N. Štefelová, A. Alfons, J. Palarea, P. Filzmoser, K. Hron	Robust regression with compositional covariates in the presence of cellwise contamination
	P2-9	P. Roeser, M.-P.Ledru, N. Thouveny, K. Tachikawa, F. Rostek, M. Garcia, U. Struck, A. Sawakuchi, C. Favier, E. Bard	Deposition modes in the peatland and paleo-lake Colônia (São Paulo, SE / Brazil) since the last interglacial based on clr-biplots and principal component analysis of sediment geochemistry data
	P2-10	N.J. le Roux, B.W. Gurr	A Biplot View of Violent Crime in South Africa
	P2-11	N.G. Cadigan	Compositional Likelihoods in State-Space Fish Stock Assessment Models

THURSDAY 8th June

Time	SESSION	Authors (Underline means presenting author)	Title
09:00-10:00	STA-2-1	M. Graf	A distribution on the simplex of the Generalized Beta type
	STA-2-2	K. G. van den Boogaart, R. Tolosana-Delgado	Compositional Non-parametric Tests
	STA-2-3	R. Tolosana-Delgado, K. G. van den Boogaart	Compositional Non-parametric Regression
10:00-11:00	GEO-2-1	E.C. Grunsky, J. M. McKinley, U.A. Mueller	Classification and Prediction of Lithologic Assemblages based on Soil Geochemistry and Geospatial Relationships
	GEO-2-2	M.A. Engle, A. Buccianti, R. Olea, M.S. Blondes	Merging key concepts in the chemistry of natural waters with compositional data analysis
	GEO-2-3	M.S. Blondes, W.H. Craddock, J.L. Shelton, M.A. Engle	Characterization of Crustal Gas Systems using Compositional Data Analysis of Noble Gas Isotopes and Gas Compositions
11:30-12:30	ZER-1	J. Bear, D. Billheimer	Zeros and Subcompositionally Coherenent Estimators
	ZER-2	M. Templ, K. Hron, P. Filzmoser	Exploring outliers in compositional data with structural zeros
	ZER-3	J. Palarea, J.A. Martín, S. F. M. Chastin	Some proposals to investigate zero patterns in compositional data sets
12:30-13:30	TIM-1	J. Bergman	Compositional time series with varying number of parts
	TIM-2	P. Hingley	Forecasting patent filings at the European Patent Office (EPO) using compositional data analysis techniques
	TIM-3	S. Kjærgaard, J. Oeppen, M.-P. Bergeron Boucher, R. Lindahl-Jacobsen	Longevity forecasting by socio-economic groups using compositional data analysis
Poster	P3-1	N. Perujo, A.M. Romaní, J.A. Martín	Functional diversity in a Mediterranean river: a new analysis of Carbon substrate utilization profiles through compositional methodology
	P3-2	R. Tolosana-Delgado, K.G. van den Boogaart, J. McKinley	Towards compositional multifractal analysis
	P3-3	R. Ortells, J.J. Egozcue, M.I. Ortego, and A. Garola	Time series analysis on a commodity price vector: a compositional approach
	P3-4	R.A. Valls Álvarez, J.C. Martín, V. Galkine, R. Rodriguez Álvarez	Application of CoDa analysis in the mining-exploration industry
	P3-5	V. Pawlowsky-Glahn, J.J. Egozcue , M. Planes-Pedra	Survey data as compositional tables
	P3-6	V.M.E. Edjabou, J.A. Martín, A. Boldrin, T.F. Astrup	Compositional data analysis of household waste recycling centres in Denmark
	P3-7	X.C Liu, W.L. Wang, and Y.R. Pei	Compositional data analysis on the the stream sediment geochemical data at the Duolong mineral district, Tibet, China
	P3-8	T. Yoshida, R. Er-Rbib, M. Tsutsumi	The epitome of the future world from the perspective of demographic composition
	P3-9	Z. Ziembik, A. Dołhańczuk-Śródka, T. Majcherczyk	Analysis of gamma radioactive isotopes content in surface soil layers near Longyearbyen, Spitsbergen
	P3-10	G.B. Gloor, G. Bian, A. Gong, C. Jia, W. Zhang, J. Hu, H. Zhang, Y. Zhang, Z. Zhou, J. Zhang, J.P. Burton, G. Reid, Y. Xiao, Q. Zeng, K. Yang, J. Li	The gut microbiota of healthy aged Chinese is similar to the healthy young

FRIDAY 9th June

Time	SESSION	Authors (Underline means presenting author)	Title
09:00-10:00	SOC-3-1	V. Simonacci, M.A. Di Palma, and M. Gallo	Italian Welfare Expenditures: a compositional analysis in a three-way perspective
	SOC-3-2	C.P. Rincon, A.F. Ortiz	Plebiscite for peace in Colombia: Statistical analysis using compositional data
	SOC-3-2	E. Fiserova, I. Muller, K. Hron	Compositional Regression and Its Interpretation
10:00-11:00	MAT-1	G. Pistone, L. Malago, M.-P. Rogantin	Gradient flow on the simplex
	MAT-2	K. Fačevicová, J. J. Egozcue, K. Hron	Compositional properties of Sudoku tables
	MAT-3	S. Sinari, D. Billheimer, E.J. Bedrick	Subcompositional coherence and the compositional complex
11:30-12:30	OMI-2-1	G. Mateu, P. Daunis-i-Estadella, M. Lopez-Siles, J.A. Martín	Dissimilarity measures to characterize compositions of microbial communities
	OMI-2-2	J. Walach, P. Filzmoser, K. Hron, B. Walczak, L. Najdekr	A robust pairwise log-ratio approach for variable selection and cell-wise outlier diagnostics with focus on metabolomic data
	OMI-2-3	J.D. Silverman, S. Mukherjee, L.A. David, V. Pawlowsky, J.J. Egozcue	Modeling time evolution and therapeutic effect in human microbiota
12:30-13:30	ENV-2-1	T. Yoshida, M. Tsutsu	Spatial regression model for compositional data in discrete space with spatial auto-correlation and spatial cross-correlation
	ENV-2-2	M.A. Aquino-Lopez, J.A. Christen, M. Blaauw, J. McKinley	Reconstructing past environments using compositional fossil data
	ENV-2-3	G.S. Monti, S. Migliorati	Compositional approach to the analysis of species abundance data
13:30	CLOSING	A. Buccianti, J.A. Martín	Closing CoDaWork 2017