

Tuesday 16th July

8h00-9h00	Registering time		
9h00-9h15	Opening of the workshop by the President of Toulon University		
Oceanic and Coastal/Geochemistry			
Chairman: Kathleen MURPHY Secretary: S. Mounier and W. Guo			
9h15-10h00	I1.1.	MURPHY K.	PARAFAC analysis of NOM: interpretation, challenges and directions.
10h00-10h30	D1.1.	YANG et al.	Dynamics of CDNOM from watershed to estuary
<i>10h30-10h45</i>	<i>Coffee break-poster session</i>		
10h45-11h15	D1.2.	DUPOUY et al.	Origin and spatial distribution of CDNOM in a tropical lagoon subjected to natural and anthropogenic impacts
11h15-11h45	D1.3.	KOWALCZUK et al.	Composition of dissolved organic matter along an Atlantic meridional transect from fluorescence spectroscopy and Parallel Factor Analysis
<i>11h45-12h15</i>	<i>Coffee break-poster session</i>		
<i>12h15-14h00</i>	<i>LUNCH</i>		

Lake, mountain and river/Geochemistry

Chairman: Treavor H. BOYER Secretary: M. Tedetti and E. Carstea			
14h00-14h30	D1.4.	KOTHAWALA et al. To be confirmed	Detangling the influence of climatic, catchment and water chemistry on the fluorescence characteristics of dissolved organic carbon in lakes
14h30-15h00	D1.5.	PONS et al.	Characterization of dissolved organic matter in Vosges Mountains river heads
15h00-15h30	D1.6.	HAMMOU et al.	Fluorescence characterization of natural organic matter (NOM) from soils and sediments of the Têt river watershed (France) using PARAFAC algorithm. Proposition of a nomenclature from NOM fluorophores
15h30-16h00	D1.7.	GOGO et al.	Deciphering the effect of mixed Sphagnum rubellum-Molinia caerulea on litter decomposition through the 3D fluorescence analysis of water extractable organic matter
<i>16h00-16h30</i>	<i>Coffee break-poster session</i>		
16h30-17h10	I1.2.	BOYER T.	Behavior of reoccurring PARAFAC components in dissolved organic matter fluorophores in natural and engineered systems.
17h15-18h15	Brainstorming: Do PARAFAC components have a physical meaning? Animators: K. Murphy, T.H. Boyer, S. Mounier, W. Guo, M. Tedetti, E. Carstea		
<i>18h30</i>	<i>French Riviera wines tasting and their fluorescence signal</i>		

Wednesday 17th July

Advanced signal processing/Correction and innovation

Chairman: Lieven DELATHAUWER

Secretary: N. Thirion and R. Redon

9h15-10h00	I2.1.	DELATHAUWER L.	Advances in Numerical Multilinear Algebra
10h00-10h30	D2.1.	LUCIANI et al.	Algorithm for CP decomposition of fluorescence tensor and over-factoring problem
<i>Coffee break-poster session</i>			
10h45-11h15	D2.2.	GADIO et al.	Monitoring of organic matter sources by Time-Resolved Spectroscopy (TRS) in Pantanal wetland, Brazil
11h15-11h45	D2.3.	LI et al.	Chromatography multi-excitation/emission-scan technique: a promising substitute of PARAFAC for EEM interpretation
<i>Coffee break-poster session</i>			
<i>LUNCH</i>			

Time and spatial monitoring/Geochemistry

Chairman: Paula COBLE

Secretary: M. Goutx and C. Richard

14h00-14h30	D2.4.	BIEROZA et al.	The value of fluorescence spectroscopy and automated high-frequency nutrient monitoring in understanding of biogeochemical processes in groundwater-fed stream
14h30-15h00	D2.5.	CARSTEA et al.	On-line PARAFAC analysis of fluorescence spectra
15h00-15h30	D2.6.	TEDETTI et al.	Development of a submersible fluorometer based on deep ultraviolet LEDs for the detection of phenanthrene- and tryptophan-like compounds in marine waters
15h30-16h00	D2.7.	FERRETTO et al.	Characterization of PAH and pesticide fluorescence signatures in complex mixtures using excitation-emission matrices and parallel factor analysis
<i>Coffee break-poster session</i>			
16h30-17h10	I2.2.	COBLE P.	Application of Fluorescence Spectroscopy to Environmental Pollution: Two case studies for Nutrient and Petroleum Hydrocarbons
17h15-18h15	Brainstorming: What are the future innovations in fluorescence signal processing and measurement? Animators: L. Delathauwer, P. Coble, N. Thirion, R. Redon, M. Goutx, C. Richard		
<i>18h30 Visit of the fluoropole</i>			

Thursday 18th July

Artificial and anthropogenic monitoring

Chairman: Jin HUR

Secretary: M. Bieroza and P. Comon

9h00-9h45	I3.1.	HUR J.	Water quality monitoring and pollution source tracing for lakes and rivers using fluorescence EEM-PARAFAC
9h45-10h15	D3.1.	BORISOVER et al.	Fluorescent organic matter in wastewater treatment plant: insight based on the EEM+PARAFAC methodology
10h15-10h45	SAFAS's presentation		
<i>10h45-11h</i>	<i>Coffee break-poster session</i>		
11h-11h30	D3.2.	AL-JANABI et al.	The application of fluorescence quenching models in drinking water
11h30-12h	D3.3.	MOUNIER et al.	Evaluation of inner filter effect on the fluorescence excitation emission matrix of a complex mixture of fluorescing and absorbing compounds
12h-12h30	SAFAS's demonstration		
<i>12h30-14h00</i>	<i>LUNCH</i>		

Geochemical and interaction

Chairman: Pierre COMON

Secretary: D. Brie (or N. Thirion) and C. Richard

14h00-14h30	D3.4.	LAURENTIIS et al.	Crossing the treeline: variations in the photochemical reactivity of chromophoric dissolved organic matter in mountain lakes
14h30-15h00	D3.5.	COPPIN et al.	Metals binding properties of dissolved organic matter determined by fluorescence quenching of excitation-emission matrix of fluorescence using a microplate fluorimeter
15h00-15h30	I3.2.	COMON P.	Existence of the best low-rank tensor approximate
<i>15h30-16h00</i>	<i>Coffee break-poster session</i>		
16h00-17h00	Brainstorming: EEMs and monitoring: do we need to use hyphenated methods? Animators: J. Hur, P. Comon, M. Bieroza, D. Brie, C. Richard		
<i>20h</i>	<i>Gala dinner</i>		

Friday 19th July

IHSS			WOMS	PARAFAC training	Touristic tour
9h-9h10		opening			
9h15-9h30	GUIGUES et al. (IHSS-4)	The use of 3D-Fluorescence and potential biodegradability for the comparison of extraction procedures of water-extractable organic matter in soils	9h-12h WOMS's digest: structure, main issues of the book, suggestions for future studies, etc...	9h-12h Morning session	Different sites to visit: - Le Faron - Toulon Bay
9h35-9h55	ABAKER et al. (IHSS-3)	L'absorption UV-Visible et la spectroscopie de fluorescence indicateurs de suivi de l'évolution des composts de déchets vert.			
9h55- 10h15	GAGNE et al. (IHSS-7)	Interactions entre les nanoparticules d'argent et la matière organique dissoute sous des conditions environnementales estuariennes			
<i>10h15-11h15 Coffee break-poster session</i>					
11h15-12h	FILELLA M.	Quantification of natural organic matter: caveats and needs			
<i>12h-13h30 LUNCH</i>					
14h-14h20	MBA EKOMO et al. (IHSS-5)	Etude de la de matière organique incluse dans les minéraux (phosphate ou ambre) par spectroscopie	14h-17h WOMS's digest : editorial board and authors, main introduction and main themes to be written (next WOMS ?)	14h-17h Afternoon session	
14h20-14h40	NKHILI et al. (IHSS-2)	Sensitizing properties of WEOMs extracted from soils			
14h40-16h		General assembly-communication award			
<i>16h-16h30 Coffee break-poster session</i>					
16h30-17h30		General assembly-staff presentation			