

# Agenda 'C-CASCADES Annual Meeting 4'

October 24<sup>th</sup> – 26<sup>th</sup>, 2018

Université libre de Bruxelles (ULB), Brussels, Belgium

*Wednesday, 24<sup>th</sup> of October – ULB, Campus La Plaine, Forum E*

**16:30 – 18h00: Conference in honour of Lei Chou's retirement**

- Prof. Jack Middelburg (Utrecht University): *On the use of stable isotopes as deliberate tracers to elucidate ecosystem functioning*

**18:00 – 20:00: drinks**

**20:30: dinner**

*Thursday, 25<sup>th</sup> of October – Fondation Universitaire, room Emile Francqui, 11 rue d'Egmont*

**9:45 – 10:45: Press Event** - P. Regnier, P. Canadell, S. Sourisseau, D. Louchard

- Presentation of the project, project highlights, impact for the society
- Q & A

**10:45 – 11:15: Coffee-break**

**11:15 – 11:35:** WP4 presentation – P. Friedlingstein / L. de Sousa-Webb

**11:35 – 12:05:** WP5 presentation – P. Ciais

**12:05 – 12:45:** WP6 presentation – P. Regnier / E. Mainetti

**12:45 – 14:00: Lunch**

**14:00-18:00: Presentation of ESRs from WP1 (40 min/ESR: 20min presentation+20min discussion) – Chair: Josette Garnier**

- 14h00 - ESR5 – Audrey Marescaux (CNRS-IPSL): Inorganic and organic carbon pathways in the Seine River system
- 14h40 - ESR4 – Anna Nydahl (UU): Influence of organic carbon quality changes on greenhouse gas emissions from inland waters
- 15h20 - ESR3 – Jo Snöälvs (UNEXE): Particulate organic carbon dynamics along the LOAC

**16h00-16h30: Coffee-break**

- 16h30 - ESR2 – Åsa Horgby (EPFL): Temporal variation of greenhouse gas fluxes (CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O) from headwaters to downstream water systems
- 17h10 - ESR1 – Anna Canning (KM Contros): Optimization and adaptation of sensors for CO<sub>2</sub>, CH<sub>4</sub> and O<sub>2</sub> across the full river-ocean mixing regime
- 17h50: *Closing comments* – J. Garnier / S. Sobek

**19:30: Joint Dinner**

# Agenda 'C-CASCADES Annual Meeting 4' – Part 2

October 25<sup>th</sup> – 26<sup>th</sup>, 2018

Université libre de Bruxelles, Brussels, Belgium

*Friday, 26<sup>th</sup> of October – ULB, Campus Solbosch, room Henri Janne, Building S, 15<sup>th</sup> floor*

**9:00 – 13:00: Presentation of ESRs from WP2 (40 min/ESR: 20min presentation+20min discussion) – Chair: James Orr**

- 9h00 – ESR10 – Matteo Puglini (MPG): The role of Arctic sub-sea permafrost in the carbon cycle
- 9h40 - ESR9 – Jens Terhaar (CNRS-IPSL): Effects of river delivery of nutrients and carbon on biogeochemistry of the Arctic Ocean under future climate change
- 10h20 - ESR8 – Domitille Louchard (ETHZ): The imprint of the Amazon River system on the Atlantic Ocean carbon cycle

**11h00-11h30: Coffee-break**

- 11h30 - ESR7 - H el ene Boisgontier (Deltares): 'Catchment / continent scale model for organic carbon and particle dynamics in Europe'
- 12h10 - ESR6 – Marie Maier (ETHZ): The role of deltas as carbon sinks and sources – a study of the Danube
- 12h50: *Closing Comments* – J. Orr / V. Brovkin

**13:00 – 14:00: Lunch**

**14:00 – 18:00: Presentation of ESRs from WP3 (40 min/ESR: 20min presentation+20min discussion) – Chair: Tatiana Ilyina**

- 14h00 – ESR15 – Fabrice Lacroix (MPG): Global and regional contribution of riverine fluxes to ocean carbon and nutrient cycling
- 14h40 - ESR14 – Simon Bowring (CNRS-IPSL): Modeling Dissolved Organic Carbon (DOC) river transport at global scale in the ORCHIDEE process based land surface model, from soils emissions to estuaries
- 15h20 - ESR13 – Mahdi (Andre) Nakhavali (UNEXE): Representation of lateral transfer of Dissolved Organic Carbon (DOC) from land to the river system in JULES

**16h00-16h30: Coffee-break: 20 min**

- 16h30 - ESR12 – Philip Pika (UNIVBRIS/ULB): Carbon burial, benthic-pelagic coupling and feedbacks on the global carbon cycle
- 17h10 - ESR11 – Adam Hastie (ULB): Reservoir and lake effect on carbon fluxes through the LOAC
- 17h50: *Closing Comments*: T. Ilyina / S. Arndt

**18:00 – 18:30: Wrap-up**

**19:30: dinner**