

## RIVER 21 – PROGRAMME

11 March 2024 – 22 March 2024

### Staff & Partners (Abbreviations):

University of Antwerp (Belgium):

- Prof. dr. Jan Staes (JS)
- dr. Jessica Bots (JB)

University of Lille (France):

- Prof. dr. Eric Masson (EM)
- Prof. dr. em. Francis Meilliez (FM)

Munster Technological University (Ireland):

- Prof. dr. Joe Harrington (JH)

Antwerp University – Practical organisation:

- Jessica Bots (JB) – Mobile: +32478640340 (only in case of emergency & on the designated participation days, that is where you see the abbreviation between brackets)
- Bart Sloodmaekers (BS) – Mobile: +32478611491 (only in case of emergency & on the designated participation days, that is where you see the abbreviation between brackets)

### General remark:

Highlighted text still needs to be updated, once this information has been received and confirmed, it will be uploaded on Blackboard (but no longer highlighted).

### Online Pre-assignment:

#### Monday February 12<sup>th</sup> 2024 (JS - BS)

Online via Blackboard

19:00-20:00 CET	Instructions for pre-assignment <i>Prof. dr. Jan Staes, University of Antwerp</i>
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#### Monday March 5<sup>th</sup> 2024 (JS – BS)

Online via Blackboard (go to the designated session)

18:00-20:00 CET	Students present the pre-assignment (see information package RIVER 21 for details) <i>Prof. dr. Jan Staes, University of Antwerp</i>
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### Additional lectures/presentations

Watch on your own time, these lectures will help significantly with preparations for the final presentation!

Climate change and impacts on hydrological extremes  
*Prof. dr. ir. Patrick Willems, KULeuven*

Hydraulic engineering perspective: characteristics of the tidal wave propagation into the Scheldt estuary  
*Prof. dr. ir. Peter Troch, Ghent University*

Water management in agriculture;  
*Ilse Geyskens, Boerenbond*

**Phase 1 - Getting acquainted with the river basin**

<b>Monday March 11<sup>th</sup> 2024 (JS)</b>	
Location AM: ISC; <a href="#">Italiëlei 124 Antwerpen</a>	
Location PM: <a href="#">Avelgemse Scheldemeersen; Pattyne-Duprez, Meerstraat, 8580 Avelgem</a>	
<b>Remark</b>	<b>Please do not forget to bring boots, enough to drink/snack and rain gear for Monday &amp; Tuesday!! + Everything for the overnight stay!!!</b>
08:45	Meeting entrance to the International Scheldt commission
09:00-09:30	Introduction and overview presentation Case River 21 <i>Prof. dr. Jan Staes, University of Antwerp</i>
09:30-10:30	Climate change in the Scheldt district: the role of the International Scheldt Commission <i>Leon Dhaene, International Scheldt Commission</i>
10:30-11:30	Provoking the debate: the ecological perspective <i>Prof. dr. Jan Staes, University of Antwerp</i>
11:30-12:00	Walk to Steenplein (Antwerp) in group
12:00-12:45	Lunch at River Scheldt ( <b>Bring your own lunch</b> )
12:45-14:15	Travel to Avelgemse Scheldemeersen
14:15-17:30	Guided visit Avelgemse Scheldemeersen <i>Guide Dirk Libbrecht</i> Location: <a href="#">Avelgemse Scheldemeersen; Pattyne-Duprez, Meerstraat, 8580 Avelgem</a> <b>Equipment: high rubber boots! &amp; rainwear</b> <b>Bring a snack and something to drink!</b>
17:30-18:15	Travel to Hotel Eklo by bus ( <a href="#">6 Rue Professeur Langevin, 59000 Lille, France</a> )
	All students stay and have dinner at Hotel Eklo
<b>Tuesday March 12<sup>th</sup> 2024 (JS)</b>	
7:00-7:30	Breakfast at hotel Eklo
7:30	Bus departure at Hotel
8:00-12:00	Field trip: <ul style="list-style-type: none"> <li>• Visite à Oignies: Dourges multimodal platform, waterways and environmental issues; <a href="#">62119 Dourges, France</a></li> <li>• The historical waterway link between Paris Basin and the Scheldt catchment (Riqueval tunnel; <a href="#">RD, 1044 Ham. de Riqueval, 02420 Bellicourt, France</a>, the Scheldt Source; <a href="#">D71, 02420 Gouy, France</a> &amp; Bouchain "bassin rond"; <a href="#">2 Rue César Crombe, 59111 Bouchain, France</a>)</li> </ul> <i>Prof. dr. Francis Meilliez, University of Lille</i> <b>Equipment: walking boots! &amp; rainwear</b>
12:00-13:00	Lunch (lunchbox for all students & staff members provided) Coffee break at Bouchain and visit of Bouchain's fortifications
13:00-18:00	Visit to Condé-sur-l'Escaut <ul style="list-style-type: none"> <li>• Condé-Pommeroeul canal and sedimentation problems; <a href="#">113 Rue Ghesquière, 59970 Fresnes-sur-Escaut, France</a></li> <li>• Requalification of the Condé mining site and its water management issues; <a href="#">Drève Félix Szpruta, 59163 Condé-sur-l'Escaut, France</a></li> </ul> <i>Prof. dr. Francis Meilliez, University of Lille</i> <b>Equipment: walking boots! &amp; rainwear</b>
18:00	Departure by bus to Antwerp

<b>Wednesday March 13<sup>th</sup> 2024 (BS - JH)</b>	
Location AM: De Vlaamse Waterweg (room: “Stuurhut”); <a href="#">Guldensporenpark 105, 9820 Merelbeke</a>	
Location PM: Sluicebuilding Kallo; <a href="#">Fort de Perelweg 20, 9130 Beveren</a>	
08:00	Departure to De Vlaamse Waterweg from <a href="#">Borsbeeksebrug 1001, 2600 Antwerpen</a>
09:00-09:15	Welcome at DVW
09:15-10:45	Managing drought and flood conditions in the waterways of the western part of Flanders <i>Walewein Muylle, De Vlaamse Waterweg</i>
10:45-11:00	Break
11:00-12:30	Seine-Scheldt, an integrated project <i>Annick De Winter, De Vlaamse Waterweg</i>
12:30-13:00	Lunch (Bring your own)
13:00-14:00	Travel to <a href="#">Kallo</a>
14:00-15:30	Preparing for the future & Business plan Port of Antwerp <i>Dave Remijsen, Port of Antwerp</i>
15:30-17:30	Excursion Left Bank, Kieldrecht Sluice & Port of Antwerp <i>Guide Karin Verbraeken, City of Beveren</i>
17:30	Departure by bus to Antwerp
<b>Thursday March 14<sup>th</sup> 2024 (BS - JH)</b>	
Location AM: Bezoekerscentrum Saeftinghe; <a href="#">Emmaweg 4, 4568 PW Nieuw-Namen (Emmadorp)</a>	
Location PM: University of Antwerp – City Campus – Building R – Room 213 (S.R213)	
09:15	Departure by bus to Saeftinghe from <a href="#">Borsbeeksebrug 1001, 2600 Antwerpen</a>
10:30-13:00	Guided Visit Saeftinghe <i>Guide Marc Buisse, Stichting Zeeuwsche Landschap</i> Location: Bezoekerscentrum Saeftinghe; <a href="#">Emmaweg 4, 4568 PW Nieuw-Namen (Emmadorp)</a> <b>Equipment: high rubber boots! &amp; rainwear</b> <b>Bring sufficient food and drinks!</b>
13:00-13:45	Lunch (Bring your own, possibility to eat at café (CASH only))
13:45-14:45	Travel by bus back to <a href="#">Steenplein, Antwerp</a>
14:45-15:15	Travel on foot to Campus
15:15-17:15	About the Dutch Delta Program and Water Management of the Schelde Estuary <i>Leo Adriaense, Rijkswaterstaat</i>
<b>Friday March 15<sup>th</sup> 2024 (JS – BS - JH)</b>	
Location: Polders of Kruibeke; <a href="#">Scheldelei, 9150 Kruibeke</a>	
08:15	Departure by bus to Kruibeke from <a href="#">Borsbeeksebrug 1001, 2600 Antwerpen</a>
09:00-12:00	Guided visit of Kruibeke-Bazel-Rupelmonde Controlled Flood Area ( <a href="#">KBR CFA</a> ) <i>Guide Tom Maris, University of Antwerp</i> <b>Equipment: high rubber boots! &amp; rainwear</b> <b>Bring sufficient food and drinks!</b>
12:00-13:00	Lunch (Bring your own lunch)
13:00-14:30	A Study of Sediments in Irish River Systems focusing on the River Bandon and River Owenabue, Co. Cork <i>Prof. dr. Joe Harrington, Munster Technological University</i>
14:30-14:45	Break
14:45-16:15	The Ecology of the Scheldt <i>Prof. dr. Jan Staes, University of Antwerp</i>

16:15	Departure by bus to Antwerp
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**Phase 2 - System Analysis**

<b>Monday March 18<sup>th</sup> 2024 (JS)</b>	
Location: University of Antwerp – City Campus – Building R – Room 012 (S.R012)	
09:00-10:30	Practical arrangements week 2; <i>Prof. dr. Jan Staes, University of Antwerp</i>
10:30-10:45	Break
10:45-12:15	Building stones for ecologically sound urban water management from building level to urban planning level: some (European) examples <i>Prof. dr. Erik Rombaut, KU Leuven</i>
12:15-13:15	Lunch at University restaurant (at own expenses) or bring your own
13:15-14:45	Water management & agriculture <i>Marie Verhassel, Departement Landbouw en Visserij</i>
14:45-15:00	Break
15:00-17:00	Students work on cases <i>Prof. dr. Jan Staes, University of Antwerp</i>
<b>Tuesday March 19<sup>th</sup> 2024 (JS)</b>	
Location: University of Antwerp – City Campus – Building R – Room 119 (S.R119)	
09:00-12:00	Students work on cases <i>Prof. dr. Jan Staes, University of Antwerp</i>
12:00-13:00	Lunch at University restaurant (at own expenses) or bring your own
12:30-14:00	Seeping through: 15 years of integrated water management in Flanders <i>Wim Van Gils, MINA-raad</i>
14:00-16:00	Water management France & Water quality management in France <i>Prof. dr. Eric Masson, University of Lille</i>
16:00-17:00	Students work on cases <i>Prof. dr. Jan Staes, University of Antwerp</i>
<b>Wednesday March 20<sup>th</sup> 2024 (JS)</b>	
Location: University of Antwerp – Campus Drie Eiken – Building B – Room 008	
09:00-12:00	Students work on cases - Present preliminary results <i>Prof. dr. Jan Staes, University of Antwerp</i>
12:00-13:00	Lunch at University restaurant (at own expenses) or bring your own
13:00-17:00	Students work on cases <i>Prof. dr. Jan Staes, University of Antwerp</i>

**Phase 3 - Formulating consequences for river basin management plans**

Each group comes to a shared vision on the future state and functioning of the basin, integrating the physical environment, socio-economic and institutional systems and integrating the different sectors.

Formulation of goals and sub goals that have to be met in view of realising a shared vision: the goals have to be SMART (= Specific, Measurable, Acceptable, Realistic and Time-restricted).

<b>Thursday March 21<sup>st</sup> 2024 (JS)</b>	
Location: University of Antwerp – Campus Drie Eiken – Building A – Room 008	
09:00-12:00	Students work on cases <i>Prof. dr. Jan Staes, University of Antwerp</i>
12:00-13:00	Lunch at University restaurant (at own expenses) or bring your own

**Integrated Water Management – Case River 21**  
**Academic year 2023-2024**

13:00-17:00	Students work on cases <i>Prof. dr. Jan Staes, University of Antwerp</i>
<b>Friday March 22<sup>nd</sup> 2024 (JS - BS)</b>	
Location: University of Antwerp – Campus Drie Eiken – Building B – Room 015	
09:00-13:00	Students work on cases <i>Prof. dr. Jan Staes, University of Antwerp</i>
13:00-14:00	Lunch at University restaurant (at own expenses) or bring your own
14:00-17:00	The different working groups present (20') their final vision for a RBMP for the group of teachers and stakeholders. Discussion and questions (10') among students, teachers and stakeholders.