

Riparian forest status and management challenges : the Loire river. in workshop : Synthesizing riparian science and management challenges on large, multi-use rivers: cross-system lessons from Europe and North America.

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2nd International Conference
on Integrative Sciences and sustainable development of rivers
June 22-26, 2015 - Lumière Lyon 2 University - France

WORKSHOP

1. Title: ***Synthesizing riparian science and management challenges on large, multi-use rivers: cross-system lessons from Europe and North America.***

2. Organisers:
   - John STELLA, State University of New York, Syracuse (stella@esf.edu)
   - Hervé PIÉGAY, CNRS and ENS de Lyon (herve.piegay@ens-lyon.fr)
   - Ryan LUSTER, The Nature Conservancy (rluster@tnc.org)

3. Workshop date and time: Monday, 22 June 2015 from 8h30 to 17h30.

4. Workshop location: The morning session will be in *Room AR47, Lumière Lyon 2 University, Campus Berges du Rhône - 18 quai Claude Bernard, 69007 Lyon*. This will be a forum with short talks and round-table discussion. Following lunch at Lyon 2, the group will travel by chartered bus to the national nature reserve and riparian restoration site on the old Rhône River at Île de la Platière (www.ile.platiere.reserves-naturelles.org/), located near Péage de Roussillon.

5. Registration cost: none. The €60 per person registration and all workshop costs are covered by a generous grant from the Collegium de Lyon. This workshop is supported by the state National Research Agency under the program 'Future Investments' (reference ANR-11-LabX-0027-01).

6. Language: English (or English/French, oral/slides)

7. Programme (see below)

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Workshop description

Riparian corridor management on large river systems presents special challenges to both scientists and managers, particularly in populous, water-limited regions. Recent large-scale riparian restoration, research and monitoring projects in large river systems worldwide have advanced our knowledge of basin-scale physical/biological linkages and key vulnerabilities to land and water management as well as climate change. However, there is a need to synthesize the lessons learned from these projects and to set a new agenda for applied riparian research and management. The goal of the workshop is to provide a focused forum for participants working at the intersection of riparian science and management in large, multi-use river systems to (1) exchange experiences and lessons learned working in these riparian corridors, and (2) to advance a synthetic understanding of common scientific and management challenges.

The workshop will take place Monday, 22 June 2015, 8h30 to 17h30 (Table 1). The morning session will be a forum with short talks and a round-table discussion. This will take place at Université Lyon 2 (*Room AR47, Lumière Lyon 2 University, Campus Berges du Rhône - 18 quai Claude Bernard, 69007 Lyon*), the site of the I.S. Rivers conference. An informal lunch will be served there. Following lunch the group will travel by chartered bus to the national nature reserve and riparian restoration site on the old Rhône River at Île de la Platière (www.ile.platiere.reserves-naturelles.org/), located near Péage de Roussillon. We will tour the reserve on foot (Figure 1) and learn about local multi-objective restoration and management efforts. The tour will be co-led by staff of the Réserves Naturelles de France (RNF), university and CNRS scientists, and managers from Compagnie Nationale du Rhône (CNR).

This workshop will be an extension and expansion of two recent meetings in California (USA): a special session on riparian management at the Ecological Society of America meeting in August 2014, and a bilateral exchange of Rhône and Sacramento river scientists and managers in December 2014. The June 2015 workshop will build on these events, drawing researchers working in these two river systems as well as others such as the Missouri and Loire rivers. The workshop is a collaboration of GRAIE, ENS de Lyon, the State University of New York (Syracuse), and The Nature Conservancy, with generous funding provided by the Collegium de Lyon (www.collegium-lyon.fr/).

Résumé

La gestion des marges riveraines des grands fleuves présente des enjeux particuliers pour les scientifiques et les gestionnaires, en particulier dans les régions peuplées et limitées en terme de disponibilité en eau. Il est donc nécessaire de synthétiser les résultats des grands projets de gestion fluviale et de restauration des cours d'eau pour définir de nouvelles perspectives de recherche. Cet atelier est l'occasion d'échanger de manière informelle différentes expériences de gestion des milieux riverains à l'intersection de la science et de la gestion.

Après une session en salle le matin, le groupe partira pour l'Île de la Platière, une réserve naturelle nationale sur le Rhône près de Péage de Roussillon pour discuter des projets de restauration (www.ile.platiere.reserves-naturelles.org/).

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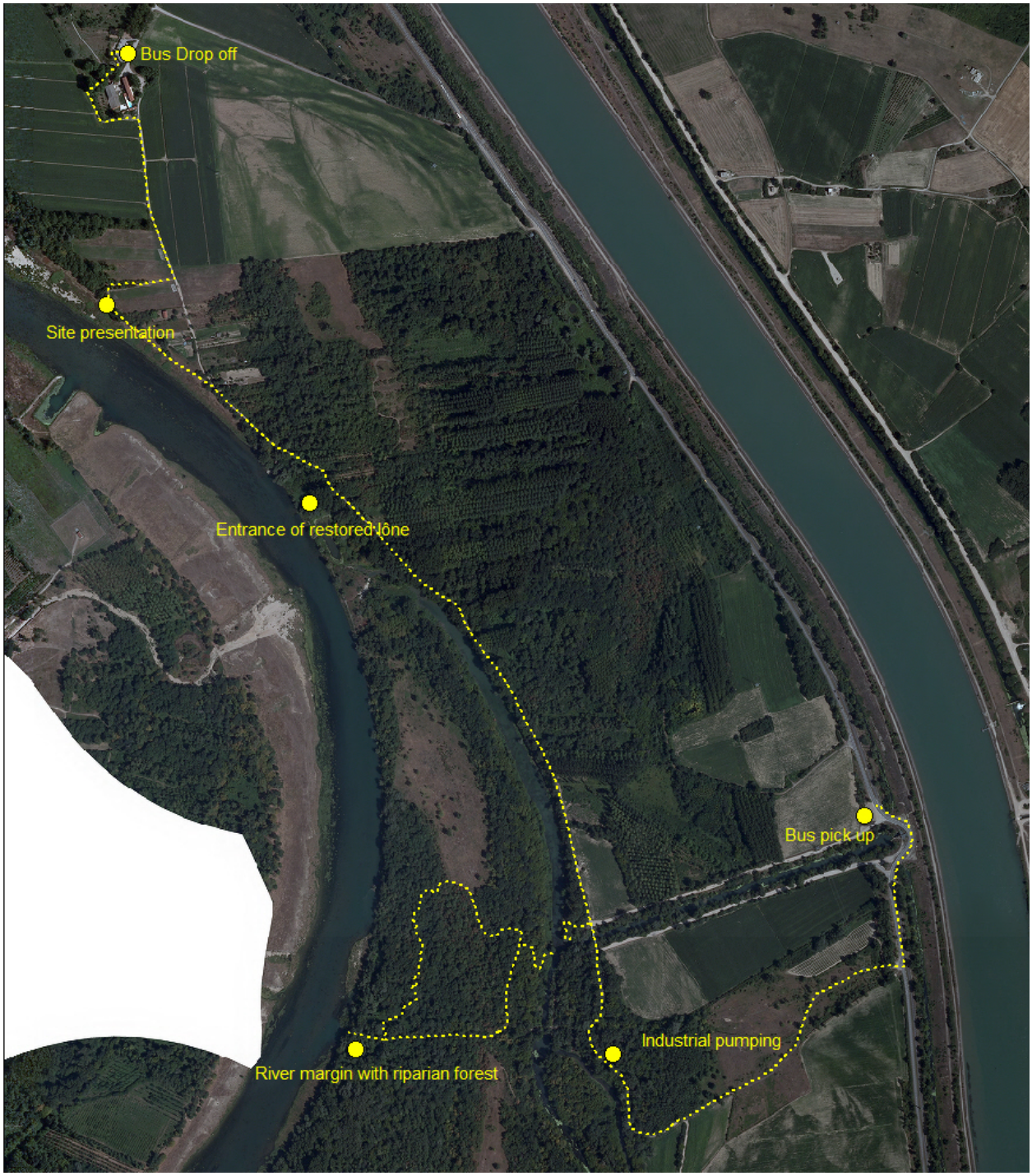
Table 1. Workshop schedule.

Time	Description	People	Notes
	MORNING SEMINAR, UNIV. OF LYON 2 (LYON 7E). ROOM TBA		
8h30 – 9h00	Registration and coffee	GRAIE	
9h00 – 9h05	Welcome and logistics; introduce the main issues and questions	Stella, Piégay, Luster	
	Riparian status and management issues: case studies		
9h05–9h20	Rhône River	B. Raepple & J. Stella	
9h20–9h35	Sacramento River	J. Stella	
9h35–9h50	Missouri River	M. Scott	
9h50–10h05	Loire River	M. Villar	
10h05–10h15	Break		
	Riparian status and management issues: case studies		
10h15–10h35	Floodplains by Design: a North American perspective for river corridors	R. Luster	
10h35–10h55	Key restoration and conservation issues on large rivers: the Rhône and Rhine examples.	H. Piégay	
11h00–12h00	Round table discussion (moderated)	V. Matzek and M. Kondolf	
	LUNCH AND TRAVEL		
12h00–12h30	Lunch (provided on location)	GRAIE	
12h30–13h30	Travel to Péage de Roussillon (transport provided)	GRAIE	
	AFTERNOON FIELD TRIP, ILE DE LA PLATIERE (PEAGE DE ROUSSILLON)		
13h30–14h00	Stop #1 (Upstream entrance of restored former channel) ***Overview of the reserve and restoration of former channels.*** • Minimum flow increases • Former channel reconnection • Aquatic community or engineered river margins	B. Pont H. Piégay C. Moiroud E. Franquet	Contacted, pending approval
1400h–15h00	Stop #2 (Short walk to river margin within riparian forest) ***Engineered river margins (dikes & casiers) and restoration approaches.*** • Geomorphic processes & pollutants • Riparian forest communities • Restoration approaches (e.g., dike removal, sediment addition)	B. Pont B. Raepple & G. Seignemartin J. Stella C. Moiroud H. Piégay	Contacted, pending approval
15h00–16h00	Stop #3 (45 minute walk through preserve to pump and bus pickup spot) ***Groundwater pumping: monitoring, management and impacts to riparian forest health*** • Groundwater and surface water dynamics • Effects of flow management & climate change on forest ecohydrology • Managing pumping and water resource sharing	F. Paran & D. Graillot M. Singer B. Pont H. Piégay	Contacted, pending approval
16h00–16h30	Discussion in the field; summary of day	Moderator TBA	On site
16h30–17h30	Travel back to Lyon. Return to Univ. Lyon 2 (7e)		

Field trip contact info
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Site web http://www.ile.platiere.reserves-naturelles.org/
Pour le GPS routier il faut entrer l'adresse suivante : ferme des oves - chemin de Limony - Le Péage de Roussillon

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Figure 1. Aerial photo of field trip itinerary at Réserve Naturelle Île de la Platière (www.ile.platiere.reserves-naturelles.org/). The yellow dotted line indicates the walking route and yellow circles indicate stops for presentation/discussion.



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