

MEETING OF THE  
“LARGE RIVERS GROUP”  
OF THE IAG

PROGRAMME

# THE RHONE RIVER

a large European impacted hydrosystem

Sunday, June 24th

Sunday, July 1<sup>st</sup>

LYON

ARLES

BREGNIER-CORDON

**ZABR**

GEOMORPHOLOGY  
GEOMORPHOLOGIE



# General information

## Context

The International Association of Geomorphology aims to develop geomorphology by international cooperation, to promote studies and the development of geomorphology in all its aspects, to stimulate the dissemination of geomorphological knowledge. It will meet the Rhône basin scientific and technical actors from June, 24th to July 1st 2007. This conference is part of the ZABR activities.

Parallel to the “Rhône Rivers” Conference, the 6<sup>th</sup> international conference on sustainable techniques and strategies in urban water management, Novatech 2007, will take place in Lyon, from June, 24<sup>th</sup> to June 28<sup>th</sup>.

## Principle

The “Large Rivers Group” meeting on the Rhône river takes place in the whole Rhône basin: the upper, the middle and downstream Rhône.

The “Large Rivers Group” meeting is composed of two parts:

- 2 IAG scientific conference days at the Lyon 2 University, where examples from the Rhône and international large rivers will be presented, open to Rhône basin scientific and technical actors.
- 4 technical tour days along the Rhône, reserved for IAG members

English is the official language for the meeting.

## Objectives

The “Large Rivers Group” meeting is the occasion for:

- exchanges during the conference on scientific breakthroughs in the domain. Some of the communications presented at this conference will be published in the Geomorphology review.
- illustrating problems on the Rhône river during technical tours along and on the Rhône river.

This event contributes to the international dimension of the Rhône.

# Programme

	8.00	8.45	9.15	12.30	14.00	17.30	19.30
Sunday, June 24th	arrival of the participants in Lyon						welcome party
Monday, June 25th	Welcome	CONFERENCE	lunch	CONFERENCE	dinner		
Tuesday, June 26th	CONFERENCE		lunch	travel to Arles	free evening		
Wednesday, June 27th	TECHNICAL TOUR		lunch	T. TOUR	dinner		
Thursday, June 28th	TECHNICAL TOUR		lunch	T. TOUR	travel to upper Rhône	dinner	
Friday, June 29th	TECHNICAL TOUR		lunch	T. TOUR	dinner		
Saturday, June 30th	TECHNICAL TOUR		lunch	T. TOUR	dinner		
Sunday, July 1st	a bus will carry the participants to the airport and the railway stations			departure of the participants			

## Sunday, June 24th

### Welcome

**19.30** You will be greeted with a cocktail

CISL

## Monday, June 25th

### Scientific meeting

**8.45** Welcoming coffee AMPHITHEATRE MINERVE - UNIVERSITY LYON 2, BRON CAMPUS

#### THE RHONE RIVER: GENERAL PRESENTATIONS

**9.15** Forewords to participants (*A. Gupta, J.P. Bravard*)

**9.45** Scientific presentation of the Rhône River in its watershed - France  
*Bravard J.-P. et al.*

**10.05** Morphodynamics and sediment transport along the trained Rhône River (XIXe-XXe c.) - France  
*Couvert B., Bravard J.-P.*

**10.25** Break

- 10.45** The downstream Rhône and the Camargue delta  
*Provansal M. et al.- France*
- 11.05** Hydroecology and restoration of the Rhône River - *France*  
*Olivier J.-M.*
- 11.25** The floods of the Rhône. Hydrology and management - *France*  
*Doutriaux E. Fruchart F.*
- 11.50** The Swiss Rhone river geomorphological behaviour - a review. *Switzerland*  
*Reynard E. , Stauble S.*

**12.30** *Lunch* UNIVERSITY LYON 2, BRON CAMPUS

## RIVERS OF EUROPE PRESENTATIONS

- 14.00** Bratsk reservoir surrounding: geomorphologic transformation processes in the Angara river area. *Russia*  
*S. Gorshkov, O. Motchalova*
- 14.20** Accretion of inter-dyke areas - the Danube river in urban area of Bratislava - *Slovakia*  
*Lehotský M.*
- 14.40** Longitudinal evolution of the channel pattern of the Rhine between Bâle and Lauterbourg before rectification - *France*  
*Schmitt L., Kleinas C., Carozza JM , Piégay H.*
- 15.00** Channel changes and floodplain management in the meandering middle Ebro River -*Spain*  
*Ollero A.*
- 15.20** *Break*
- 16.00** River incision due to gravel mining. The case study of Gállego river - *Spain*  
*Martin-Vide J. P., C. Ferrer-Boix*
- 16.20** Reconciling conservation and management of a dynamic, unstable alluvial fan: the river Feshie/Spey confluence - *Scotland*  
*Werritty A., Hoey T.*
- 16.40** Hydraulic controls of the entrapment of heavy-metal polluted sediments on a floodplain of variable width, the upper Vistula River - *southern Poland*  
*Wyżga B., Ciszewski D.*
- 17.00** Patterns, causes and controls of the 20th-century channel changes of the Dunajec River - *southern Poland*  
*Zawiejska J., Wyżga B.*
- 17.20** Changes in Morphological development of the Danube river & restoration alternatives for anastomosing section  
*Holubova K., Lukac M. , Lisicky M.*

**18.00** *End of the conference*

**DINNER** *Dinner will be organised in a famous restaurant of Lyon* RESTAURANT

**NIGHT** CISL

# Tuesday, June 26th

## Scientific meeting

### RIVERS OF THE WORLD PRESENTATIONS

<b>9.00</b>	<i>Welcoming coffee</i>	AMPHITHÉÂTRE MINERVE -UNIVERSITY LYON 2, BRON CAMPUS
<b>9.30</b>	Physical <i>habitat</i> characterization of the Platte River: a geospatial remote sensing and cellular modelling approach - USA <i>Fonstad M.</i>	
<b>9.50</b>	Geomorphology : its role in policy and management decisions on the Mississippi River - USA <i>Kesel RH.,Hudson P.</i>	
<b>10.10</b>	The Rio Araguaia. River-Floodplain Interactions and Human Impacts - Brazil <i>Marston R.A. , Ernesto C. Castro &amp; Marcos M. Borges</i>	
<b>10.30</b>	<i>Break</i>	
<b>11.00</b>	River dynamic and riparian vegetation distribution in the upper Paraná River - Brazil. <i>Stevaux, J.C., Corradini, F.A. &amp; Faccini, M.</i>	
<b>11.20</b>	Sediment transport in the Barwon Darling River - Australia <i>Thoms, M.C., Biggin, M.</i>	
<b>11.40</b>	Managing a large international river: the Mekong - Southeast Asia <i>Gupta A.</i>	
<b>12.00</b>	<i>Lunch</i>	UNIVERSITY LYON 2, BRON CAMPUS

## Travel to Arles

<b>13.45</b>	<i>Meeting on the university car-park</i> <i>Travel to Arles by bus.</i>	
<b>16.45</b>	<i>Arrival at the Atrium Hotel at Arles.</i> <i>Free evening in Arles.</i>	

NIGHT

HOTEL ATRIUM  
ARLES

## Wednesday, June 27th

### Technical tours

<b>8.00</b>	<i>Departure from Arles</i>	
<b>8.30</b>	Siltation of a side channel. Management of the connection of the « îlot du Pillet », collaboration with the National Rhone Company	
<b>10.00</b>		
<b>10.30</b>	Stability of the banks and dykes, the « Petite Argence » breach on the Petit Rhône, collaboration with the Symadrem	
<b>11.30</b>		
<b>11.45</b>	Measuring particular and dissolved fluxes on the Grand Rhône, visit of the Arles station, collaboration with IRSN	
<b>13.00</b>		
<b>13.00</b>	<i>Lunch</i>	ON ARLES EMBANKMENTS
<b>14.30</b>	Functioning of the river mouth, connection with the delta shoreline (on board of a boat, if possible, or in La Palissade Domain (collaboration of the Conservatoire du Littoral).	
<b>17.30</b>		
<b>DINNER &amp; NIGHT</b>	<i>Dinner will be organised in Hotel Atrium</i>	HOTEL ATRIUM ARLES

## Thursday, June 28th

### Technical tours

<b>8.00</b>	<i>Departure from Arles</i>	
<b>9.00</b>	The Rhone River in the vicinity of Beaucaire and Tarascon	
<b>10.00</b>	Avignon: visit of the disrupted bridge	
	Pont-Saint-Esprit: the Roman bridge and the accelerated sedimentation	
<b>12.00</b>	<i>Lunch</i>	ALONG THE RHÔNE (OLD ROCHEMAURE BRIDGE)
<b>13.00</b>	Montélimar: the historical evolution and the rehabilitation programme of the by-passed reach of the Rhône. The hydraulic and ecological projects for the rehabilitation of the Rhône. Collaboration with the CNR	
	<i>Travel to Upper Rhône</i>	
<b>18.00</b>	Visit of the newly opened Rhone River Museum in Brégner	
<b>DINNER &amp; NIGHT</b>		MAISON DES ISLES DU RHONE BREGNIER-CORDON

## Friday, June 29th

### Technical tours

<b>8.00</b>	Travel to Génissiat dam. Managing fine sediments from the upper watershed
<b>8.30</b>	Belley. The development of the Upper Rhône River by the National Rhone C°
<b>10.30</b>	Genissiat dam and the management of alpine fine sediments (CNR)
<b>12.30</b>	Seyssel, a sleepy fluvial city.
	<i>Lunch</i> ON THE RIVER BANK OF THE RHÔNE
<b>14.00</b>	The Chautagne development and its impacts on the geomorphology and the ecology of the river
<b>17.00</b>	Geomorphology and landscapes of the Upper Rhone, from top of the Grand Colombier, from Late Glacial to present times
<b>DINNER &amp; NIGHT</b>	MAISON DES ISLES DU RHONE BREGNIER-CORDON

## Saturday, June 30th

### Technical tours

<b>8.00</b>	The holocene paleo-environments and the geoarchaeology of the Rhone alluvial plain, Basses Terres of the Dauphiné region. The Brégnier-Cordon development scheme and its eco-geomorphological impacts.
<b>12.00</b>	
<b>LUNCH</b>	ON THE RIVER BANK
<b>14.00</b>	Travel back to Lyon Free afternoon in Lyon
<b>DINNER &amp; NIGHT</b>	<i>Free evening in Lyon CISL</i>

## Sunday, July 1st

<b>MORNING</b>	End of the AIG meeting – departure by your own LYON'S RAILWAY STATION OR LYON SAINT-EXUPÉRY AIRPORT
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# Registration

## Online Registration

Please use the zabr Website to register for "Large Rivers Group meeting" and choose when registering "Geomorphologist IAG member".

Your registration is for the whole meeting from Sunday, June 24<sup>th</sup> until Sunday, July 1<sup>st</sup>:

- the transportation (*up to your arrival in Lyon*)
- the accommodation
- the meals (*except the meal on Tuesday evening*)
- the conference fees

**The registration fees are 570 €.**

A partnership with Air France has been established in the frame of the Novatech 2007 conference. You also may benefit from special rates for you plane booking. For more details, please see the Novatech Website.

<http://www.zabr.org> on the page "Actualités"

## Payment

▪ **For safety payment by Credit Card** on the Novatech Website (secured system).

▪ **For Bank transfer payment**

Bank transfer S.W.I.F.T. in euros only.

It's essential that you fax a copy of the Bank transfer, showing the name and the country of the participant to 33 (0)4 72 43 92 77

Bank reference:

BPLL Villeurbanne Charpenne 019 - assoc. GRAIE - NOVATECH

Bank 13907 - Desk 000 00 - Number 81 9452 8260 3 - Key 36

IBAN - International Bank Account Number : FR76 1390 7000 0081 9452 8260 336

BIC - Bank Identification code : CCBPFRPLYO

## General Terms

Your registration will not be validated until payment reception.

Registration will be automatically cancelled (on international online payment by Credit Card) without reception of a confirmation fax within 8 days or 3 days after 01/06/2007

Cancellation terms :

- before 05/04/2007 - total refund minus dossier expenses (50 €)
- before 01/06/2007 - refund of 70 % of registration fees
- after 01/06/2007 no refund - a copy of proceedings will be sent.

# Practical information

## Accommodation

During the conference, you will stay at three different places.

- First, in **Lyon**, from Sunday, June 24<sup>th</sup> to Tuesday, June 26<sup>th</sup>.
- Then, you will travel to **Arles** and stay there until Thursday, June 28<sup>th</sup>.
- On Thursday evening, you will reach your last station in **Brégner-Cordon**

Your stay in **Lyon**  
(June 24<sup>th</sup> – 26<sup>th</sup> & July 1<sup>st</sup>)

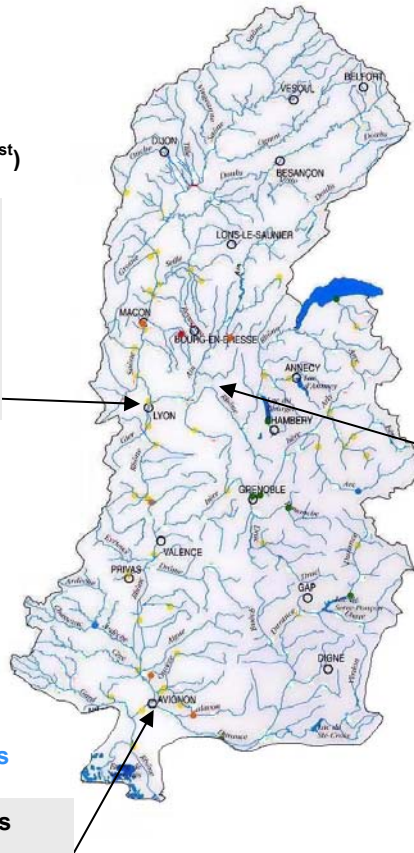
### Centre International de Séjour de Lyon - CISL

103 boulevard des Etats-  
Unis  
69008 LYON  
<http://www.cis-lyon.com/fr>  
(+33) 04.37.90.42.42

Your stay in  
**Brégner-Cordon**  
(June 28<sup>th</sup> – July 1<sup>st</sup>)

### Maison des Isles du Rhône

La Bruyère  
01300 Brégner-Cordon  
(+33) 04.79.87.26.62



Your stay in **Arles**  
(June 26<sup>th</sup> – 28<sup>th</sup>)

### Hôtel Atrium Arles

1 rue Emile Fassin  
13 200 ARLES  
<http://www.hotelatrium.com/>  
(+33) 04.90.49.92.92

## How to reach Lyon

Your arrival is planned on Sunday, June 24<sup>th</sup>.

### ***by plane***

Lyon Saint Exupéry Airport located 25km away from Lyon centre, provides connections to more than a hundred cities, half of which are international. To reach Lyon city centre, the Satobus shuttle connects, every 20 minutes, the Lyon Saint Exupéry Airport to Lyon Part-Dieu railway station in 30 mn.

### ***by train***

Beware, there are three SNCF railway stations:

- in the city centre, the Part-Dieu Station and the Perrache Station
- the TGV railway station at the airport Lyon Saint-Exupéry.

## In Lyon

### **How to reach the "International Center of Stay of Lyon" (Centre International de Séjour de Lyon) by public transport**

#### ***From the Part-Dieu railway station***

by bus n°36, direction « Minguettes Darnaise », stop « Centre International de Séjour » (travel time about 15 minutes).

#### ***From the Perrache railway station***

by bus n°32, direction « Etats-Unis Viviani », stop « Centre International de Séjour » (travel time about 30 minutes).

by tramway T2, direction « St Priest Bel Air », stop « Jet d'Eau - Mendes France », correspondence bus n°36, direction « Minguettes Darnaise », stop « Centre International de Séjour » (travel time about 25 minutes).

### **How to reach the conference site at the Lyon 2 university – Bron**

#### ***by public transport***

by bus n°36, direction « Duchère Plateau », stop « Jet d'Eau - Mendes France », connection Tramway T2, direction « St Priest Bel Air », stop « Europe Université » (travel time about 35 minutes)

## Other places

You will reach all the other places with the whole group

## Transportation

On Sunday, June 24<sup>th</sup> evening you will receive tickets for your journey by public transport in Lyon.

All the technical tour ways will be done by bus.

On Sunday morning, July 1st, you will be taken by bus to the airport or to Lyon's railway stations.

On Saturday, June 30<sup>th</sup> at 5:00 pm, a car with four seats will be able to take back participants in a hurry to Lyon. Please inform us if you are interested when registering

## Climate

At the end of June, it can be hot in the south of France. Average minimal and maximum temperatures are respectively of 15°C and 25°C in Lyon, and 15°C and 27°C in Arles.

## Credit cards

The majority of the credit cards are accepted in most of the shops and restaurants. It is preferable to change travellers' cheques in banks.

## Curiosity

Here are some interesting websites for more detailed information.

### For discovering the Rhone River

ZABR	<a href="http://www.zabr.org/">http://www.zabr.org/</a>
Portail Fleuve Rhône	<a href="http://www.fleuverhone.com/">http://www.fleuverhone.com/</a>
Compagnie Nationale du Rhône	<a href="http://www.cnr.tm.fr">http://www.cnr.tm.fr</a>
Water Agency	<a href="http://rdb.eaurmc.fr/">http://rdb.eaurmc.fr/</a>
Implementation of the EEC	
Directive on water management	<a href="http://www.environnement.gouv.fr/rhone-alpes/bassin_rmc/rdbrmc/gestion/DCE">http://www.environnement.gouv.fr/rhone-alpes/bassin_rmc/rdbrmc/gestion/DCE</a>
Public service for the management of the Rhone	<a href="http://www.eptb-rhone.fr/">http://www.eptb-rhone.fr/</a>
Natura 2000	<a href="http://natura2000rhone.free.fr/">http://natura2000rhone.free.fr/</a>
Scientific survey of the 10 years programme for hydraulic and ecological restoration of the Rhone River	<a href="http://dev.cartonet.sytes.net/zar/">http://dev.cartonet.sytes.net/zar/</a>
Scientific study of the Rhone river floods	<a href="http://www.ecologie.gouv.fr/rubrique.php3?id_rubrique=382DIREN">http://www.ecologie.gouv.fr/rubrique.php3?id_rubrique=382DIREN</a>
Syndicat du Haut-Rhône	<a href="http://www.haut-rhone.com/">http://www.haut-rhone.com/</a>

### To find out more on Lyon

Lyon Convention and visitors Office	<a href="http://www.lyon-france.com/">http://www.lyon-france.com/</a>
Lyon City	<a href="http://www.lyon.fr/">http://www.lyon.fr/</a>
Urban Community of Lyon	<a href="http://www.grandlyon.com/">http://www.grandlyon.com/</a>
Public Transport of Lyon	<a href="http://www.tcl.fr/">http://www.tcl.fr/</a>

### To find out more on Arles

Arles Convention and visitors Office	<a href="http://www.tourisme.ville-arles.fr/">http://www.tourisme.ville-arles.fr/</a>
Arles City	<a href="http://www.ville-arles.fr/portail/">http://www.ville-arles.fr/portail/</a>
Public Transport of Arles	<a href="http://www.laboutiquedestransports.com/">http://www.laboutiquedestransports.com/</a>





*For further information, please contact:*

# Z A B R

Zone Atelier Bassin du Rhône

## graie

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