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Institut de Recerca de l'Aigua - Universitat de Barcelona

Seminar:

Riverbed reclamation

Recuperació de lleres de riu

Recuperación de cauces de ríos

October 24-25th 2012

Aula Magna. School of Law, UB, Spain

Coordinador: **Dr. Miquel Salgot de Marçay**
Dep. Productes Naturals, Biologia Vegetal i Edafologia
Facultat de Farmàcia, UB



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Institut de Recerca de l'Aigua de la Universitat de Barcelona, Spain
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The seminar will primarily involve discussions of case studies

Objectives

Study several cases of river reclamation in heavily populated areas
Define the models for reclamation procedures
Discuss the approaches and results of the presented cases

Case studies

Will include
3 cases near Barcelona (Besòs, Llobregat and Ripoll Rivers)
2 cases in Spain (Ebro River, Zaragoza and Arga River, Pamplona)
1 case in the USA (Hudson River)
3 cases in Portugal (Lima, Tinto and Arade Rivers)

Planning, results, and perspectives will be presented for each case. The overall framework, including water quality, and socioeconomic impacts, will be studied. Technical experts and scientists will begin the discussion, having previously reviewed presentations, results, or published articles on the subject.

A question-and-answer period will follow each session, time permitting.

October 24th

09.00 h **Registration**

09.30 h **Welcome and opening remarks**
- Prof. Manuel Viladevall, Vicerector, Universitat de Barcelona
- Prof. Ma. Jesús Montoro, Director, Institut de Recerca de l'Aigua de la Universitat de Barcelona
- Sr. Fernando Morcillo, Managing Director (AEAS)
- Sr. Joan Puigdollers, Delegate, Environment and Natural Parks, (DIBA)
- Sr. Assumpta Escarp, Vice-president of Environment (AMB)

10.00 h **Plenary lecture**
- Sr. Eduardo Ruiz de Temiño, Technical Director of Expo Zaragoza Empresarial. The transformation of the Ebro River: the Zaragoza "Expo"

10.45 h **Pause**

11.15 h **River recovery: concepts, theories, intangibles...**
- Fluvial zone reclamation: possibilities and limitations. L.X. Godé (Agència Catalana de l'Aigua - ACA, ADECAGUA and CIREF)
- The role of water in the reclamation of urban rivers. M. Salgot (UB-Institut de Recerca de l'Aigua and ADECAGUA)

12.15 h **The Ripoll River at Sabadell**
- Ripoll River reclamation in Sabadell. N. Centelles (Ajuntament de Sabadell)
- Water quality changes during the Ripoll River reclamation in Sabadell. M. Folch and M. Salgot (UB-Institut de Recerca de l'Aigua)

13.45 h **Pause**

14.45 h **The Arga River at Pamplona.** A. Amorena (Servicios de la Comarca de Pamplona, S.A.)

15.45 h **The Hudson River (USA).** M. Kruge (Montclair State University, New Jersey, USA)

16.45 h **Pause**

17.10 h **River reclamation in periurban areas.** Portuguese case studies. R. Cortes (Universidade de Trás-os-Montes e Alto Douro, Vila-Real, Portugal)

18.10h **Social and Economic studies**
- Economics. A. Díaz (UB-Institut de Recerca de l'Aigua)
- Legal aspects of Riverbed Reclamation. B. Noguera (UB-Institut de Recerca de l'Aigua)

October 25th

09.00 h **The Besòs River reclamation from Montcada to the sea**
- The Besòs River reclamation project. A. Alarcón, M. Montlleó (Barcelona Regional)
- The river and riverbed evolution since the reclamation began. A. Maza, M. Vila (DIBA), M. Folch (UB-Institut de Recerca de l'Aigua)

10.30 h **Pause**

11.00 h **The Llobregat River and its delta: Riverbed reclamation,** Managed Aquifer Recharge-MAR, water quality, salinisation, reclaimed water reuse, agricultural areas, infrastructure, wetlands...

Shorter talks (15 minutes)
- Groundwater in the lower Llobregat valley and delta. X. Sánchez-Vila (UPC)
- The Llobregat and the agriculture in its delta. M. Jose (Unió de Pagesos)
- Water infrastructure in the Llobregat delta: salinity. M. Salgot (UB-Institut de Recerca de l'Aigua)
- The Llobregat River as a water source for aquifer recharge. E. Queralt (Comunitat d'Usuaris d'Aigües de la vall baixa i del Delta del riu Llobregat - CUADLL)
- Irrigation infrastructure in the Llobregat River delta. R. Terricabras (Parc Agrari del Baix Llobregat)

Longer lectures (30 minutes)
- The reclamation of Llobregat River in the Barcelona Metropolitan area
Project criteria and solutions. V. Ténez (AMB)
River-related spaces management. A. Farrero (AMB)

14.00 h **Discussion and conclusions.** Chairwoman: Prof. Ma. Jesús Montoro

14.30 h **Pause**

NOTES

THE WORKING LANGUAGE WILL BE SPANISH, EXCEPT FOR PROF. KRUGE'S SPEECH (IN ENGLISH)

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