



Niger Delta

**COMPARING RIVERS:
THE MISSISSIPPI AND THE NIGER
November 7-8, 2002**

The 5th Randall L. Gibson
Tulane University–U.S. Army
Corps of Engineers
Conference on the Mississippi River
New Orleans
The Old U.S. Mint
400 Esplanade Avenue



Mississippi River at Old River



**US Army Corps
of Engineers**[®]

New Orleans District

Tulane

7 NOVEMBER 2002

8:30-9:00 Registration and Refreshments

9:00-10:30 SESSION 1. COMPARING RIVERS

Chair: Terrence Fitzmorris (University College, Tulane University)

Conference Overview

- C. P. Wolf (Social Impact Assessment Center)

Dedication

- Stephen E. Ambrose (late Professor of History Emeritus, University of New Orleans)
- Austin B. M. Egborge (late Professor of Hydrobiology, University of Benin)

Welcome

- Louis Carr (Mississippi Valley Division, U.S. Army Corps of Engineers)
- Col. Peter J. Rowan (New Orleans District Engineer, U.S. Army Corps of Engineers)
- Teresa Soufas (Tulane University)
- R. D. Abubakar (National Inland Waterways Authority)
- Onyema Ugochukwu (Niger Delta Development Commission)
- Dirk Reinermann (Nigeria Country Program Coordinator The World Bank)

Keynote Addresses

- Douglas Brinkley (Eisenhower Center for American Studies, University of New Orleans) *The Mississippi and the Making of a Nation*
- Goodluck Jonathan (Bayelsa State) *Resource Control and Regional Development*

10:30-10:45 Break

10:45-12:15 SESSION 2. DEVELOPMENT EXPERIENCE

Chair: Colin MacLachlan (Tulane University)

Development History

- Edwin Lyon (U.S. Army Corps of Engineers and Tulane University) *Lessons Learned from the Mississippi Experience*

- Godfrey N. Uzoigwe (Mississippi State University) *The River Niger as a Metaphor for Nigeria*

River Development

- Jerry A. Skalak (U.S. Army Corps of Engineers) *The Comprehensive Plan for the Upper Mississippi*
- Peter C. Nwilo (National Inland Waterways Authority) *The Inland Waterways Master Plan*

Regional Development

- Hayes Dent (Delta Regional Authority) *The Delta Regional Authority*
- Godwin Omene (Niger Delta Development Commission) and Therese Griessel (Gesellschaft für Technische Zusammenarbeit [GTZ]) *Developing a Master Plan for the Niger Delta Region*
- Rapporteur: Gib Owen (U.S. Army Corps of Engineers)



Mississippi River

12:15-1:45 Lunch

1:45-3:15 SESSION 3. RESOURCE DEVELOPMENT

Chair: Stephen Collinsworth (U.S. Army Corps of Engineers)

Water Resources

- David Biedenbarn (U.S. Army Corps of Engineers) *Morphologic Response on the Lower Mississippi River*
- Joaquin Mujica (U.S. Army Corps of Engineers) *The Mississippi River Project*
- Ousmane Diallo (Niger Basin Authority) *International Perspectives on Niger River Development*
- National Inland Waterways Authority. *The River Niger Dredging Project*

- Patrick Okosi (Concerned Communities, Trofani, Bayelsa State) *Issues in Niger River Dredging*
- Allison Attah (State of Akwa Ibom) *The Impact of Oil Exploration and Exploitation on the Geomorphology of the Niger Delta Communities*

Rapporteur: Gregory Breerwood (U.S. Army Corps of Engineers)

3:15-3:30 Break

3:30-5:00 SESSION 4. ECONOMIC DEVELOPMENT

Chair: Ivan J. Miestchovich, Jr. (University of New Orleans)

Agricultural Development

- Paul Coreil (Louisiana State University) *Lower Mississippi Valley Initiative*
- Edwin Aroh (Rivers State University of Science and Technology) *Agricultural Development in the Niger Valley*

Industrial Development

- Anatoly Hochstein (National Ports and Waterways Institute, University of New Orleans) *Ports and Waterways of the Mississippi River - Present and Future*

Petroleum Development

- Harry Luton (Minerals Management Service) and Robert Gramling (University of Louisiana at Lafayette) *Socioeconomic Effects of OCS Oil and Gas Development in the Gulf of Mexico*
 - Ayorinde Idowu (Jamemil Petroleum Services) *Petroleum Development in Nigeria*
 - David Brignac (Shell Chemical) *The Norco Good Neighbor Initiative*
- Rapporteur: Bryan Guevin (U.S. Army Corps of Engineers)

5:00-6:30 RECEPTION

8 NOVEMBER 2002

8:30-9:00 Registration and Refreshments

9:00-9:15 Introductory Remarks

9:15-10:45 SESSION 5. ENVIRONMENTAL DEVELOPMENT

Chair: Robert Robelus (Africa Region, The World Bank)

Environmental Quality

- Hank Bart (Tulane University) *Biological Response to Environmental Changes in the Lower Mississippi River*
- Felix B. Dayo (Triple "E" Systems Associates, Lagos and Carnegie Mellon University) *Vulnerability and Adaptation of Coastal West Africa to Climate Change*

Environmental Management

- Troy Constance (U.S. Army Corps of Engineers) *Coastal Erosion and Restoration: The Coast 2050 Plan*
- Telema Princewill (Niger Delta Development Commission) *Developing an Environmental Management Plan for the Niger Delta*

Environmental Justice

- Beverly Wright (Deep Delta Center for Environmental Justice, Xavier University) *Race, Politics, and Pollution: The Mississippi River Chemical Corridor*
- Oronto Douglas (Environment Rights Action, Port Harcourt) *Environmental Justice in the Niger Delta*

Rapporteur: Phillip Jones (Xavier University)

10:45-11:00 Break



11:00-12:30 SESSION 6. SOCIAL DEVELOPMENT

Chair: Murray Jones (Shell International, London)

Cultural Development

- Joan Exnicios (U.S. Army Corps of Engineers) *Cultural Heritage and Cultural Resources*

Community Development

- Freddy Webb-Pettet (Kellogg Foundation) *The Mid-South Development Initiative*
- Dirk Reinermann (Nigeria Country Program Coordinator, The World Bank) *Community Driven Development*

Institutional Development

- Jeffrey Ballweber (Mississippi State University) *Institutional Development in the Mississippi Delta Region*
- Nightingale Rukuba-Ngaiza (The World Bank) *Policy and Legal Dimensions of Environmental Decision-Making*
- Joan Pope (U.S. Army Corps of Engineers) *Corps of Engineers Water Resources Research and Development: Overview*

Rapporteur: Cyril Mann (U.S. Army Corps of Engineers)

12:30-2:00 Lunch

2:00-3:30 SESSION 7. CAPACITY DEVELOPMENT

Chair: William Bertrand (Payson Center for International Development and Technology Transfer, Tulane University)

Knowledge for Development

- Gayatri Acharya (The World Bank Institute) and Vahid Alavin (The World Bank) *Capacity Building for Implementing Integrated Water Resources Management*

Information and Technology Transfer

- Ralph Scheid (U.S. Army Corps of Engineers) *Electronic Chart Mapping of the Mississippi River*

- Richard Campanella (Center for Bioenvironmental Research at Tulane and Xavier Universities) *The Use of GIS in Temporal and Spatial Analysis of Controlled Rivers*
- Cordelia C. Anadi (Nnamdi Azikiwe University) and Allison K. Anadi (Southern University at New Orleans) *Job Creation, Training and Entrepreneurial Opportunities in Oil Producing Communities in the Niger Delta*

Combining Indigenous and Expert Knowledge

- Alan Bornbusch (American Association for the Advancement of Science) *Community Based Participatory Research*
 - Amy Emerhi (IAIA-Nigeria) *The Niger Delta Project*
- Rapporteur: Jay Gamble (U.S. Army Corps of Engineers)

3:30-3:45 Break



3:45-5:00 SESSION 8. PROGRAM DEVELOPMENT

Chair: Dirk Reinermann (The World Bank)

Issues and Options

- Howard R. Bush (U.S. Army Corps of Engineers)
- Session Rapporteurs

Research Agenda

- Alan Bornbusch (American Association for the Advancement of Science) *Future Directions in River Science and Policy*

The Future

- Godwin Omene (Niger Delta Development Commission) and Dirk Reinermann (The World Bank) *The Future of the Niger Valley*

Summary

- C. P. Wolf (Social Impact Assessment Center)

Sponsors

- U.S. Army Corps of Engineers
- Tulane University Center for Scholars
- University College, Tulane University
- American Association for the Advancement of Science
- The World Bank Institute
- The Social Impact Assessment Center
- Shell International
- IAIA-Nigeria, an affiliate of the International Association for Impact Assessment

Organizers:

- Edwin Lyon (U.S. Army Corps of Engineers and Tulane University)
- Joan Exnicios (U.S. Army Corps of Engineers)
- C.P. Wolf (Social Impact Assessment Center)
- Colin MacLachlan (Tulane University)

