

Octobre 4, 2005

Data collection and modeling results in the Ouémé basin

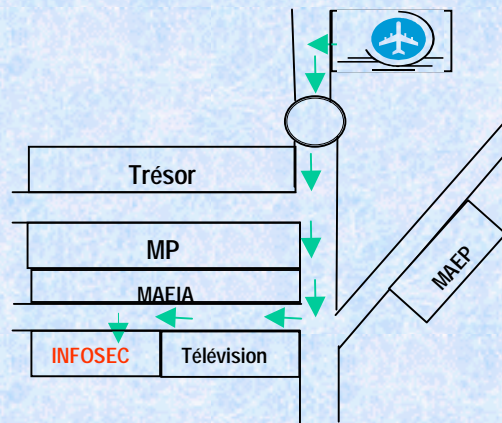
- 8:30 Short overview on institutions, scenario development and integration (*P. Adisso and B. Ahamide*)
- 8:50 Climate and hydrology (*P. Adisso and J. Götzing*)
- 9:10 Land use and soil information (*M. Igue, T. Gaiser and F.-M. Lange*)
- 9:30 Using a spatially explicit hydrological model for economic valuation of water flows in the Oueme basin (*P. Adegbola, B. Sonneveld and A. Arouna*)
- 9:50 Break
- 10:20 Water demand assessment (*E. Agbossou, B. Ahamide, O. Wallgren, H. Förslund and M. Hounsou*)
- 10:40 Water quality simulation in the Oueme catchment (*B. Ahamide, E. Agbossou, J. Ganoulis, K. Zardava and M. Hounsou*)
- 11:00 Discussion

First results of the Chirchik basin

- 11:45 Institutions and scenario development in the CAB basin (*Y. Rysbekov*)
- 12:15 Model testing and integration (*A. Tuchin*)
- 13:00 Conclusions and recommendations**
- 13:15 Closing words by the DG of Water Resources Service of Benin
- 13:30 Lunch**
- 15:00 Departure post-workshop excursion**

Workshop venue:

Infosec, Cotonou, Benin
Tel. 00229-30 10 60; near Ministère des Affaires Etrangères et Intégration Africaine



Contact and registration:

Pierre Adisso (padis.Imedh@intnet.bj)
A. M. Igue (igue_attanda@yahoo.fr)
Homepage: [http:// www.rivertwin.org](http://www.rivertwin.org)
<http://www.euwi.org>

Organisation and institutional support



International Workshop

Regional modelling for integrated water management at the river basin scale

3-4 October 2005
InfoSec, Cotonou
Benin Republic



Research in support of the EU Water Initiative



Funded by the European Commission



Background

Water resources all over the world are under increasing pressure from the continuous growing demand for sufficient quantities of good quality water for all purposes. For example, due to the extremely dry summer in 2003, even in humid regions like Central Europe, the river levels approached critical values compromising power plants, naval transport and freshwater ecosystems.

In the year 2003 the "EU Global Water Initiative" was launched at the occasion of the World Summit for Sustainable Development at Johannesburg, in accordance with the WSSD millennium goals, the initiative proposes to apply the principles of integrated water management at the global level.

Objectives of the workshop

The goal of the workshop is to present state-of-the-art modelling approaches that could be suitable for global application in integrated water management at the river basin scale. Advantages and limitations of simulations models should be identified. The workshop should issue in recommendations to overcome data and model limitations for a successful use of modeling tools in the strategic planning of water resources.



Workshop Programme

October 2, 2005

Arrival and registration:
Hotel Croix du SUD

October 3, 2005

8:00 Registration (INFOSEC)

9:00 Opening session

Coordinator RIVERTWIN (Prof. Dr. K. Stahr)

Representative of European Commission

Minister of Mining, Energie and Water Resources (MMEH)

10:00 Break

10:30 Presentation of integrated water management in Benin (G. Alé and P. Adisso)

11:15 Scenario development and model integration in the RIVERTWIN project (T. Gaiser and A. Printz)

Presentation of results in the Neckar basin

11:45 Application of a climate downscaling model in the Neckar River Basin (A. Bardossy and W. Yang)

12:05 Hydrological modelling in the Neckar Basin (A. Bardossy and J. Götzinger)

12:25 An integrated large-scale groundwater model for the Neckar Catchment, Germany (J. Jagelke and R. Barthel)

12:45 Lunch

October 3, 2005

Presentation of results in the Neckar basin (cont.)

14:00 Regional estimation of diffuse pollution with the soil and land resources information system SLISYS (T. Gaiser and H. Weippert)

14:20 Validation of the agroecosystems model EPIC on selected sites in the Neckar basin (F.-M. Lange and F.S. Sereke)

14:40 The agro-economic production model "ACRE" for the Neckar river basin (M. Henseler)

15:10 Building a water demand model in the Neckar Basin (O. Wallgren)

15:30 Break

16:00 Mathematical modelling of water quality in the Neckar basin: model calibration and scenario simulation (K. Zardava, C. Kiourtsidis and J. Ganoulis)

16:20 MesoCASiMiR - Assessment of ecological status of rivers based on fish habitats (M. Schneider)

16:40 MOSDEW - integrated results for the Neckar basin (A. Printz)

17:00 Discussion