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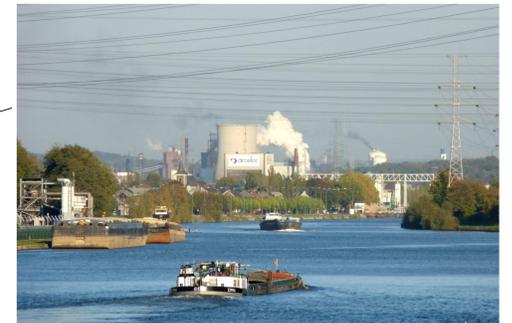
## Transnational application to the IRBD Meuse



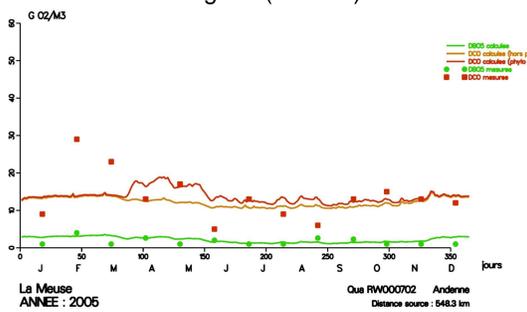
NL : simulated and validated (year 2005) on the Geul basin – under construction for the whole Dutch basin

DE : simulated and validated (year 2005)

BE-Flemish Region : simulated and under validation (year 2005)



Annual evolution of Carbon (COD and BOD5) At Andenne - Belgium (km 548)



BE-Walloon Region : simulated and validated (years 2002 and 2005)

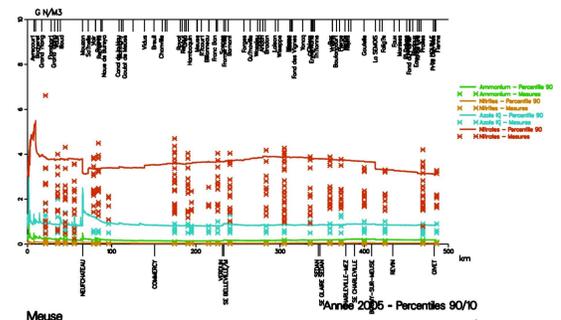
FR-Artois Picardie : data to be improved

Modeling network  
1.319 rivers  
13.560 km of rivers

LU : simulated and validated (years 2002 and 2006)



Longitudinal evolution of percentile 90 of Nitrogen The Meuse km 0 → km 480



FR-Meuse Rhine : simulated and validated (years 2002 and 2005)

Sub-basin application on the Chiers (LU + BE-Walloon Region + FR-Meuse Rhine, 2000-2006) for the reference years 2000 and 2002 and prospective scenario 2015

International simulation already performed (during 2005-2006) upstream (up to the Belgian border) for the reference year 2002

Current coordination between BE-Flemish Region and NL for downstream simulations of historical situation and prospective scenarios

International databases are currently under construction for a single reference year : simulation and validation in progress on the whole Meuse District