

A large dam with multiple spillways, with water cascading over the spillways. The sky is blue with some light clouds. The text is overlaid on the water.

Water Dam Management using Climate Forecasts

Manantali dam water management using seasonal forecasting information

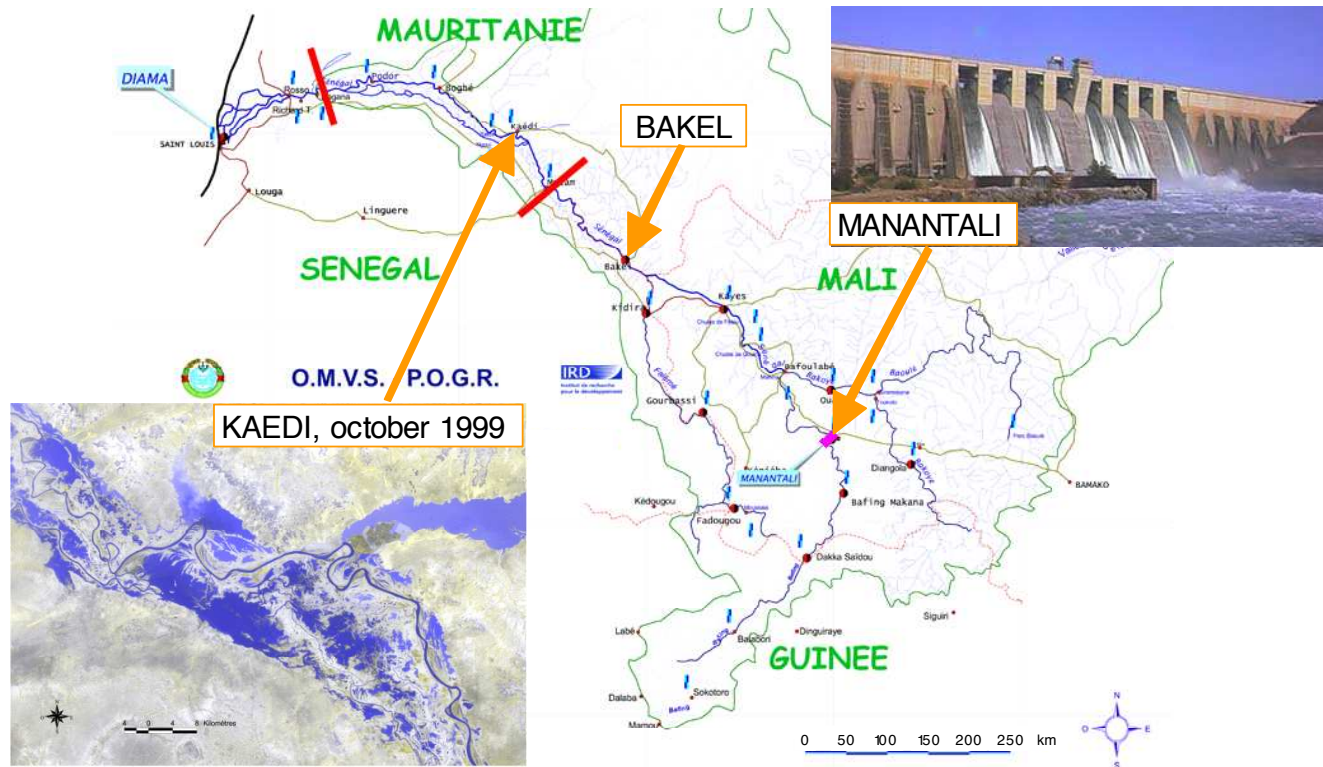


Figure 1 : catchment of the Senegal river, with red bars delinating the zone where the recession crops are evaluated

Bader et al. (2005)

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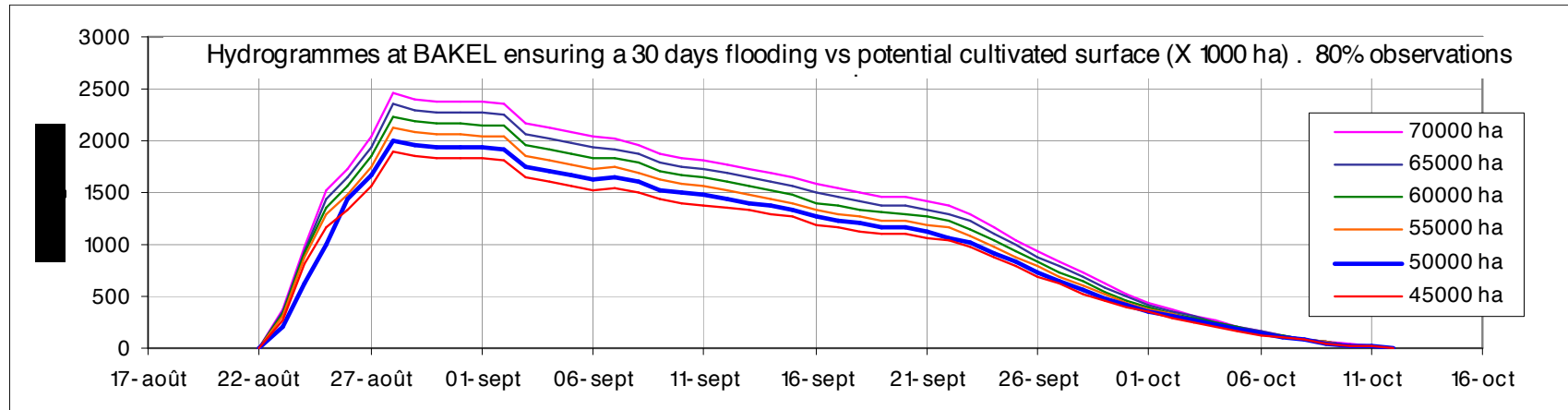


Figure 2 : hydrograms at Bakel ensuring a submersion of 30 days vs the potential cultivated surfaces (ensured 8 years over 10)

Bader et al. (2005)

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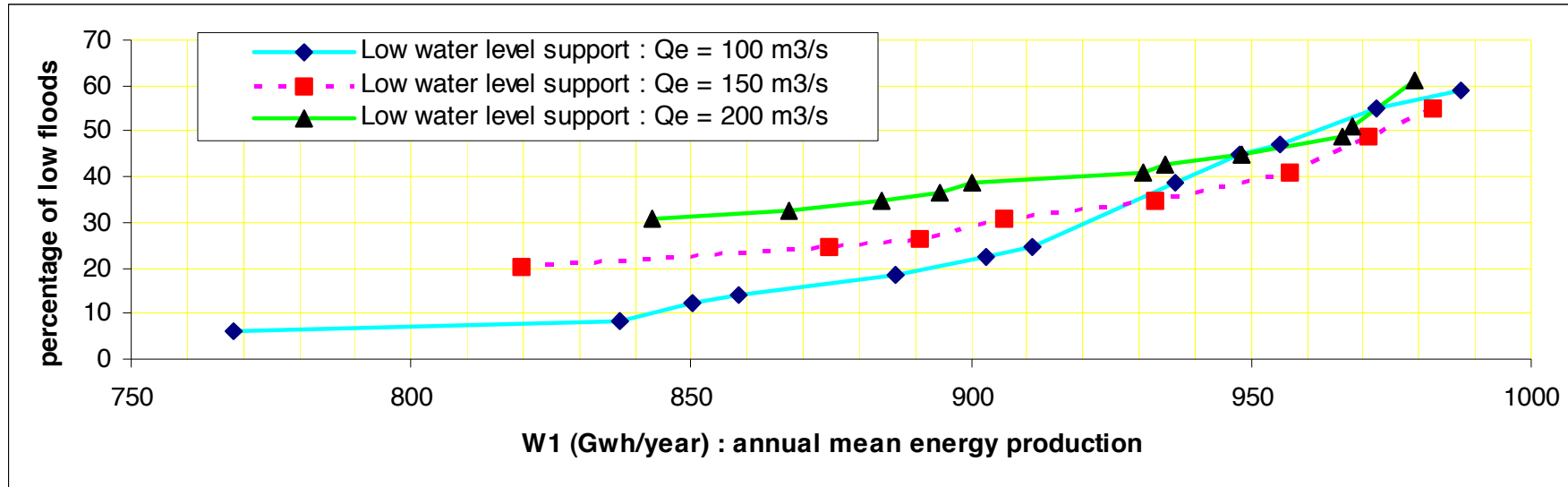


Figure 3 : Relationship between the average of annual energy production and the frequency of low floods simulated for different management scenarios(1950-1998 period)

Bader et al. (2005)

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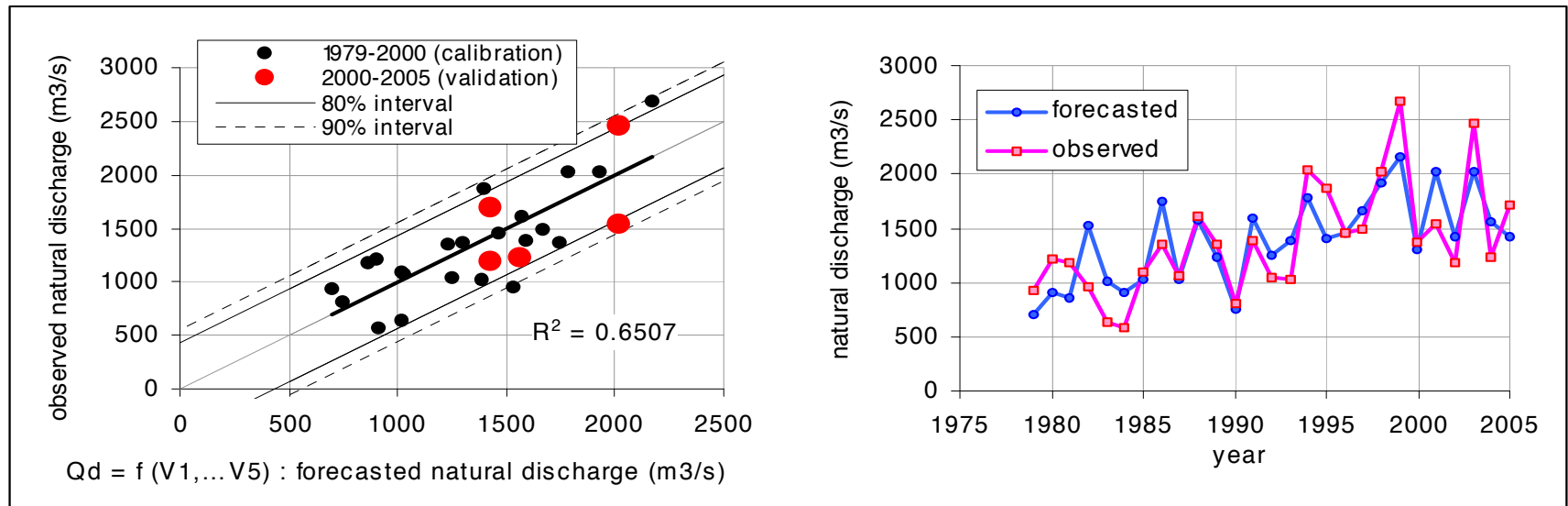


Figure 7 : Natural discharge of the Senegal river at Bakel in september-october : observed values and forecasted values calculated with the 5 first PCs of ARPEGE results (zone J2)