## **Iberian Trans-boundary Water Management (IB-TWM):** experiences from the past and approaches for the future

## CALL for PAPERS and WORKSHOPS - TWAM2013 International Conference & Workshops

Transboundary water resources management across borders and interfaces: present and future challenges

The TWAM2013 International Conference & Workshops will be held from 16 to 20 March 2013 at the University of Aveiro in Portugal. The overarching objective of the TWAM2013 International Conference & Workshops is to address "Present and future challenges in transboundary water resources management across borders and interfaces", with particular focus on: TWAM 2013

- 1. Water resources modelling
- 2. Technological and natural solutions
- 3. Environmental impacts, ecosystems services and values
- 4. Economic incentives and instruments
- 5. Water governance, institutions and regulations
- 6. Stakeholder engagement
- 7. Planning water resources and land use
- 8. Integrated assessment and decision support tools

For further information, consult <a href="http://ibtwm.web.ua.pt/congress/">http://ibtwm.web.ua.pt/congress/</a>.



## A specific application of SWAT for the Cértima catchment has been presented at the 21st Century Watershed Technology Conference and Workshop (27 May to 1 June 2012, Bari, Italy)

Assessing the cost-effectiveness of reduced N-fertilizer application rates and alternative application regimes

We assessed the cost-effectiveness of key Best Agricultural Practices (BAPs; reductions in single, split and slow-release nitrogen fertilizer application rates) across two agricultural land uses (corn and vineyards) in the Cértima catchment (Portugal). It is shown that split and slow release nitrogen application regimes provide significant private benefits and water quality improvements in both corn and vineyard production. Reduced nitrogen application rates are only worthwhile in corn production.

## The application of SWAT to the transboundary Minho catchment is underway!

The SWAT model has now been parameterized for the transboundary Minho catchment, and currently undergoing an iterative calibration process.











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