

Interactive comment on “The architecture and prototype implementation of the Model Environment system” by G. Donchyts et al.

Anonymous Referee #1

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In this paper the authors present the architecture of an integrated modelling system that simplifies development of model based decision support systems for environmental management. Unfortunately, it clearly misses a minimum standard of quality. The number and quality of references is not appropriate. I do not think that Wikipedia links are acceptable. Existing model environments (e.g. Leavesley et al., 2002) are not discussed. The description of the system architecture is insufficient. “A plug-in is a library which can be easily embedded into the system only by putting it into the specific folder.” This is not a satisfactory description of the coupling of different modules. Even the figures presented do not give an overview of the system architecture. The cited (not presented!) application (“Decisions Support System for Nuclear Emergency Management”) is out of the scope of HESS. In its present form the paper is definitely

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not publishable. Especially without any sample application that lies within the scope of HESS and demonstrates the benefits of the modelling system discussed.

References

Leavesley G.H., Markstrom S.L., Restrepo P.J. and Viger R.J.: A modular approach to addressing model design, scale, and parameter estimation issues in distributed hydrological modelling, *Hydrological Processes*, Vol. 16, 173-187, 2002.

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4, S91–S92, 2007

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