



Deliverable number: D8.4

Deliverable title: DynaLearn Publications

Delivery date: 2012/01/31 - Extension deadline 2012/04/30  
Submission date: 2012/05/21  
Leading beneficiary: Universidad Politécnica de Madrid (UPM)  
Status: Version 1 (final)  
Dissemination level: PU (public)  
Authors: Óscar Corcho, Ana Ibarrola, Boris Villazón-Terrazas

Project number: 231526  
Project acronym: DynaLearn  
Project title: DynaLearn - Engaging and informed tools for learning conceptual system knowledge  
Starting date: February 1st, 2009  
Duration: 36 Months  
Call identifier: FP7-ICT-2007-3  
Funding scheme: Collaborative project (STREP)



## Abstract

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This deliverable provides a summary of the publications that have been released in the context of the project, including 37 Refereed papers, 26 Presentations, 13 Posters, 33 Abstracts, and 12 Publications under review.

## Document History

<b>Version</b>	<b>Modification(s)</b>	<b>Date</b>	<b>Author(s)</b>
01	Initial compilation	2012-04-27	Ana Ibarrola
1.0	Final review of document	2012-05-25	Óscar Corcho, Boris Villazón-Terrazas
1.0	New abstract, Removed 'Acknowledgement' from the list of Contents.	2012 06 01	Bredeweg

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## 1. Refereed papers

1. Bredeweg, B., Linnebank, F.E., Bouwer, A. and Liem, A. (2009). [Garp3 — Workbench for qualitative modelling and simulation](#). *Ecological Informatics*, 4 (5-6), pp. 263-281.
2. Cioaca, E., Linnebank, F.E., Bredeweg, B., and Salles, P. (2009). [A qualitative reasoning model of algal bloom in the Danube Delta Biosphere Reserve \(DDBR\)](#). *Ecological Informatics*, 4 (5-6), pp. 282-298.
3. Nakova, E., Linnebank, F.E., Bredeweg, B., Salles, P. and Uzunov, Y. (2009). [The river Mesta case study: A qualitative model of dissolved oxygen in aquatic ecosystems](#). *Ecological Informatics*, 4 (5-6), pp. 339-357.
4. Or-Bach, R., & Bredeweg, B. (2011). [Pair Modeling with DynaLearn – Students’ Attitudes and Actual Effects](#). *Interdisciplinary Journal of Information, Knowledge, and Management*, 6, pp. 119-135.
5. Beek, W., Bredeweg, B. & Latour, S. (2011). [Context-Dependent Help for the DynaLearn Modelling and Simulation Workbench](#). In: Biswas, G. et al.(2011). *Proceedings of Artificial Intelligence in Education 15th International Conference, AIED 2011, Auckland, New Zealand, June 28 – July 2011*, pp. 420-422, Springer, Heidelberg.
6. Bredeweg, B., Liem, J., Beek, W., Salles, P., and Linnebank, F. (2010). [Learning Spaces as Representational Scaffolds for Learning Conceptual Knowledge of System Behaviour](#). In Wolpers, M., Kirschner, P.A., Scheffel, M., Lindstaedt, S. and Dimitrova, V. (eds.). *Lecture Notes in Computer Science, Volume 6383, 2010*, DOI: 10.1007/978-3-642-16020-2. *Sustaining TEL: From Innovation to Learning and Practice. 5th European Conference on Technology Enhanced Learning, EC-TEL 2010, p47-61, Barcelona, Spain, September 28 – October 1, 2010*.
7. Bredeweg, B., Liem, J., Linnebank, F., Bühling, R., Wißner, M., Gracia del Río, J., Salles, P., Beek, W. and Gómez Pérez, A. (2010). [DynaLearn: Architecture and Approach for Investigating Conceptual System Knowledge Acquisition](#). In V. Aleven, J. Kay and J. Mostow (Eds.): *Intelligent Tutoring Systems 2010, Part II*, pp. 272-274, LNCS 6095, Springer-Verlag.
8. Bredeweg, B., Gómez-Pérez, A., André, E. and Salles, P. (2009). [DynaLearn – Engaging and Informed Tools for Learning Conceptual System Knowledge](#). *Cognitive and Metacognitive Educational Systems (MCES2009)*. Pirone, R., Azevedo, R. and Biswas, G. (eds.), pages 46-51, AAAI Fall Symposium, Arlington, Virginia USA, 5-7 November, Technical report FS-09-02, AAAI Press.
9. Bühling, R., Wißner, M., André, E. (2011). *Visual communication in interactive multimedia*. In Dickmann, L., ed.: *The 11th International Symposium on Smart Graphics (SG11)*. Volume LNCS 6815., Springer (2011), pp. 159-162.
10. Damian, I. Endrass, B. Huber, P. Bee, N. André E. (2011). *Individualized Agent Interactions*. *The Fourth International Conference on Motion in Games 2011 Edinburgh, UK, November 13-15 2011*, 12 pages.
11. Goulart, F., Salles, P. & Machado, R.B. (2011). [How agricultural matrix intensification may affect forest understory birds? A qualitative model on stochasticity and immigration](#). In: Agell, N.; Roselló, L. (eds.) *Proceedings of the 25th International Workshop on Qualitative Reasoning (QR2011)*. Barcelona, Spain, 16-18 July 2011, pp. 42-50.

12. Goulart, F., Salles, P., Saito, C.H. & Machado, R.B. (2011). [\*How does agricultural intensification will affect bird's species inhabiting a savannaforest mosaic? A qualitative modelling approach.\*](#) In Agell, N.; Roselló, L. (eds.) Proceedings of the 25th International Workshop on Qualitative Reasoning (QR2011). Barcelona, Spain, 16-18 July 2011, pp. 51-59.
13. Gracia, J., Liem, J., Lozano, E., Corcho, O., Trna, M., Gómez-Pérez, A., and Bredeweg, B. (2010). [\*Semantic Techniques for Enabling Knowledge Reuse in Conceptual Modelling.\*](#) In 9th International Semantic Web Conference (ISWC2010), Shanghai, China. Springer, volume 6497 of Lecture Notes in Computer Science, pages 82-97, November 2010.
14. Kansou, K., Nuttle, T., Farnsworth, K. and Bredeweg, B. (2011). [\*Qualitative model of the long-term carbon cycle: the rise of the vascular plant during the Paleozoic period and its dramatic effect on our atmosphere.\*](#) QR2011: 25th International Workshop on Qualitative Reasoning, Barcelona, Spain, 6-18 July 2011
15. Kansou, K. and Bredeweg, B. (2011). [\*Hypothesis assessment with qualitative reasoning: modelling a periodic spring.\*](#) QR2011: 25th International Workshop on Qualitative Reasoning, Barcelona, Spain, 6-18 July 2011
16. Liem, J., Beek, W. and Bredeweg, B. (2010). [\*Differentiating Qualitative Representations into Learning Spaces.\*](#) 24th International Workshop on Qualitative Reasoning (QR'10). de Kleer, J. and Forbus, K.D. (eds.), pages 37-46, Portland, Oregon, USA, 8-10 August 2010.
17. Liem, J., Linnebank, F.E. and Bredeweg, B. (2009). [\*Model Building Experiences using Garp3: Problems, Patterns and Debugging.\*](#) 23rd International Workshop on Qualitative Reasoning (QR'09). Zabkar, J. and Bratko, I. (eds.), pages 68-75, Ljubljana, Slovenia, 22nd-24th June.
18. Lozano, E., Gracia, J., Liem, J., Gómze-Pérez, A. and Bredeweg, B. (2011). *Semantic Feedback for the Enrichment of Conceptual Models.* The Sixth International Conference on Knowledge Capture 2011 (K-CAP), Banff, Alberta, Canada, 25-29 June 2011.
19. Mehlmann, G., Häring, M., Bühling, R., Wißner, M., and André, E. (2010). [\*Multiple Agent Roles in an Adaptive Virtual Classroom Environment.\*](#) Allbeck, J., Badler, N., Bickmore, T., Pelachaud, C., and Safonova A. (eds.). In: Lecture Notes in Computer Science, Volume 6356, 2010, DOI: 10.1007/978-3-642-15892-6. Intelligent Virtual Agents, 10th International Conference, IVA 2010, pp. 250-256, Philadelphia, PA, USA, September 20-22, 2010. Proceedings.
20. Milošević, U. and Bredeweg, B. (2010). [\*Qualitative Models of Global Warming Amplifiers.\*](#) 24th International Workshop on Qualitative Reasoning (QR'10). de Kleer, J. and Forbus, K.D. (eds.), pages 54-59, Portland, Oregon, USA, 8-10 August 2010.
21. Milošević, U. and Bredeweg, B. (2010). [\*From Qualitative Reasoning Models to Bayesian-based Learner Modelling.\*](#) 24th International Workshop on Qualitative Reasoning (QR'10). de Kleer, J. and Forbus, K.D. (eds.), pages 132-137, Portland, Oregon, USA, 8-10 August 2010.
22. Noble, R. and Bredeweg, B. (2011). [\*Use of the DynaLearn Learning Environment by Naïve Student Modelers: Implications for Automated Support.\*](#) In: Biswas, G. et al.(2011). Proceedings of Artificial Intelligence in Education 15th International Conference, AIED 2011, Auckland, New Zealand, June 28 – July 2011, pp. 519-521, Springer, Heidelberg.
23. Noble, R.A.A., Bredeweg, B., Linnebank, F.E., Salles P. and Cowx, I.G. (2009). [\*A qualitative model of the salmon life cycle in the context of river rehabilitation.\*](#) 23rd International Workshop on Qualitative Reasoning (QR'09). Zabkar, J. and Bratko, I. (eds.), pages 84-94, Ljubljana, Slovenia, 22-24 June.

24. Sá, I.G., Salles, P. (2009). [\*Modelo para a representação do Ciclo do Nitrogênio baseado em Raciocínio Qualitativo, tecnologia de Inteligência Artificial.\*](#) In III Congresso Latino-Americano de Ecologia (CLAE2009), pages 1-3, São Lourenço, MG, September 10th-13th.
25. Salles, P., Pereira, M.M.R., Feltrini, G.M., Pires, L. & Lima-Salles, H. (2011). [\*Evaluating the Use of Qualitative Reasoning Models in Scientific Education of Deaf Students.\*](#) In: Biswas, G. et al.(2011). Proceedings of Artificial Intelligence in Education 15th International Conference, AIED 2011, Auckland, New Zealand, June 28 – July 2011, pp. 537-540, Springer, Heidelberg.
26. Souza, A., Sá, I.G., Leite, G., Portella, A., Aquino, P.P.U., Costa e Silva, P.A., Wilhelms, L.H. & Salles, P. (2011). [\*Evaluating the use of qualitative reasoning models by secondary school teachers.\*](#) In Agell, N.; Roselló, L. (eds.) Proceedings of the 25th International Workshop on Qualitative Reasoning (QR2011). Barcelona, Spain, 16-18 July 2011, pp. 140-146.
27. Souza, A., Leite, G. & Salles, P. (2011). [\*Using qualitative reasoning to model wind power production in coastal zone.\*](#) In Agell, N.; Roselló, L. (eds.) Proceedings of the 25<sup>th</sup> International Workshop on Qualitative Reasoning (QR2011). Barcelona, Spain, 16-18 July 2011, pp. 132-139.
28. Wißner, M., Beek, W., Lozano, E., Mehlmann, G. & Linnebank, F. (2011). [\*Character Roles and Interaction in the DynaLearn Intelligent Learning Environment.\*](#) In: Biswas, G. et al.(2011). Proceedings of Artificial Intelligence in Education 15th International Conference, AIED 2011, Auckland, New Zealand, June 28 – July 2011, pp. 585-587, Springer, Heidelberg.
29. Zitek, A., Poppe, M., Stelzhammer, M., Muhar, S. & Bredeweg, B. (2011). [\*Evaluating the Effects of a New Qualitative Simulation Software \(DynaLearn\) on Learning Behavior, Factual and Causal Understanding.\*](#) In: Biswas, G. et al.(2011). Proceedings of Artificial Intelligence in Education 15th International Conference, AIED 2011, Auckland, New Zealand, June 28 – July 2011, pp. 594-596, Springer, Heidelberg. [[Poster](#)]
30. Zitek, A., Preis, S., Poppe, M. and Muhar, S. (2009). [\*Evaluating the potential of Qualitative Reasoning to capture and communicate knowledge on sustainable catchment management.\*](#) 23rd International Workshop on Qualitative Reasoning (QR'09). Zabkar, J. and Bratko, I. (eds.), pages 127-134, Ljubljana, Slovenia, 22-24 June.
31. Zuzovsky, R. and Mioduser, D (2011). *Learning about ecological systems by constructing qualitative models*” (Hebrew). In Z. Libman (Ed.), *The Constructivist approach and its implications for teaching and learning*”. In editorial process.
32. Varadinova, E., Borisova P., Pehlivanov, L., Uzunov, Y. 2012. Macroinvertebrate communities of the Srebarna Lake Biosphere Reserve: Species diversity, abundance and modeling of the ecological status. In: Y. Uzunov , B. Georgiev, E. Varadinoiva, N. Kamburova, L. Pehlivanov, V. Vasilev (ed.), *Ecosystems of the Biosphere Reserve ‘Srebarna Lake’*
33. Uzunov, Y., Borisova, P., Varadinova, E. (2012) State of the bottom invertebrate communities of the Tundja River basin (South-East Bugaria), *Journal Acta Zoologica Bulgarica*.
34. Or-Bach, R. and Bredeweg B. (2012). Collaborative Reflection activities with DynaLearn. 12th IEEE International Conference on Advanced Learning Technologies. 4-6 July, 2012, Rome, Italy.
35. Or-Bach, R. and Bredeweg B (2012). Support options provided and required for modeling with DynaLearn - A case study. *Education and Information Technologies*, Springer. <http://www.springerlink.com/content/a077943224r9p230/?MUD=MP>

36. Beek, W. & Bredeweg, B. (2012). Context-Dependent Help for Novices Acquiring Conceptual Systems Knowledge in DynaLearn. At Intelligent Tutoring Systems (ITS) 2012 in Chania, Greece.
37. Wißner, Beek, Lozano, Mehlmann, Linnebank, Liem, Häring, Bühling, Gracia, Bredeweg, André (2012). 'Increasing Learners' Motivation through Pedagogical Agents: The cast of Virtual Characters in the DynaLearn ILE'. In Lecture Notes in Artificial Intelligence Book on Agents for Education, Games and Simulations (LNAI nr 7471).



## 2. Presentations

1. Bredeweg, B. (2012). [DynaLearn: The Artificial Intelligence perspective](#). Artificial Intelligence Center, Stanford Research Institute International, Menlo Park, California, USA, February 14, 2012.
2. Bredeweg, B. (2012). [DynaLearn: An intelligent learning environment for learning conceptual knowledge](#). Centre for Learning and Teaching, Stanford Research Institute International, Menlo Park, California, USA, February 13, 2012.
3. Corcho, O. (2012). [DynaLearn: Tecnologías semánticas en un contexto de aprendizaje basado en resolución de problemas](#). eMadrid network on e-learning and education, Madrid, Spain, January 20th.
4. Zitek, A., Noble, R., Poppe, M., Stelzhammer, M., Muhar S., Bredeweg, B. (2011). [Enabling causal systems understanding using a conceptual modelling workbench \(invited presentation\)](#). In: North American Benthological Society, Proceedings of the North American Benthological Society (NABS) Annual Meeting May 22 – 26, 2011, Providence, Rhode Island, USA.
5. Bredeweg, B. (2011). [DynaLearn – Engaging and informed tools for learning conceptual system knowledge](#). Scientix, Brussels, Belgium, May 7th, 2011.
6. Bredeweg, B. (2011). *DynaLearn – Conceptual modelling with DynaLearn*. Interactive event at Workshop on DynaLearn, AI and Education, University of Brasília, Brasília, Brazil, February 4, 2011.
7. Bredeweg, B. (2011). *DynaLearn – Acquiring Conceptual Systems Knowledge through Learning by Modeling*. Workshop on DynaLearn, AI and Education, University of Brasília, Brasília, Brazil, February 3, 2011.
8. Bredeweg, B. (2011). *Communicative interaction for acquiring conceptual systems knowledge*. Human Media Interaction, University of Twente, Enschede, Netherlands, February 1st, 2011.
9. Salles, P. (2011). *DynaLearn: ferramenta para o aprendizado de conceitos*. Talk for Computer Science Undergraduate Students, University of Brasília, Brasília, Brasil, 25th January 2011.
10. Poppe, M., Zitek A., Stelzhammer (2011). *Interdisziplinäre Arbeitsgruppe: ökologisches Gewässermanagement, Fließgewässerschutz, Flusslandschaften und Gewässerrevitalisierungen – EU-Forschungsprojekt DynaLearn (www.dynalearn.eu): Entwicklung interaktiver Lernsoftware*. BOKU Forschungspool – Ringlehrveranstaltung (BOKU-Lehrende präsentieren ihre Forschungsthemen für Bachelor- und Master-Studierende), HS XX, Vienna, Austria, January, 18th 2011.
11. Bredeweg, B. (2011). [Communicative interaction for acquiring conceptual systems knowledge](#). Informatics Institute, University of Amsterdam, Amsterdam, Netherlands, January 11th, 2011.
12. Bredeweg, B. (2010). *Education and training in ecological informatics*. 7th International Conference on Ecological Informatics, Belgium, Gent, 15th December 2010.
13. Salles, P. (2010). *Qualitative reasoning in ecological informatics: setting the scene*. 7th International Conference on Ecological Informatics, Belgium, Gent, 14th December 2010.

14. Lozano, E. (2010). *Criticism and recommendation based on scientific models*. Workshop Knowledge Modelling. School for Information and Knowledge Systems, Vught, Netherlands, 8th December 2010.
15. Bredeweg, B. (2010). *Introduction to DynaLearn*. Workshop Knowledge Modelling. School for Information and Knowledge Systems, Vught, Netherlands, 8th December 2010.
16. Bredeweg, B. (2010). *Introduction to Qualitative Reasoning*. Workshop Knowledge Modelling. School for Information and Knowledge Systems, Vught, Netherlands, 8th December 2010.
17. Bredeweg, B., & Beek, W. (2010). *Practical Modelling session with DynaLearn*. Workshop Knowledge Modelling. School for Information and Knowledge Systems, Vught, Netherlands, 8th December 2010.
18. Liem, J. (2010). *Practical modelling session with Protégé*. Workshop Knowledge Modelling. School for Information and Knowledge Systems, Vught, Netherlands, 7th December 2010.
19. Liem, J. (2010). *The Web Ontology Language and Ontologies*. Workshop Knowledge Modelling. School for Information and Knowledge Systems, Vught, Netherlands, 7th December 2010.
20. Bredeweg, B. (2010). *Introduction to Qualitative Reasoning*. Department Applied Ecology and Environmental Biology, Ghent University, Ghent, Belgium, , November 25th, 2010.
21. Salles, P. (2010). *DynaLearn: ferramenta para o aprendizado de conceitos*. Talk for secondary school teachers at the CED03, Sobradinho, Brasil, 11th November 2010.
22. Salles, P. (2010). *Formação de Professores para a Educação Científica na sociedade do conhecimento*. Talk for Undergraduate Students – UnB Biology Week 201, University of Brasília, Brasília, Brasil, 11 November 2010.
23. Salles, P. (2010). *Aplicação de modelos de raciocínio qualitativo ao ensino de ciências de estudantes surdos*. Talk for teachers of the Secretary of Education of the Federal District Government. Secretary of Education of the Federal District Government, Brasília, Brasil, 21st October 2010.
24. Salles, P. (2010). *DynaLearn: ferramenta para o ensino e o aprendizado de ciências*. Talk for lecturers at the University of Brasília, University of Brasília, Brasília, Brasil, 11th June 2010.
25. Beek, W., & Bredeweg, B. (2010). [Acquiring conceptual knowledge on how systems behave using Qualitative Reasoning technology](#). Joint European Summer School on Technology Enhanced Learning ([JTEL 2010](#)), [Prolearn Academy](#), Ohrid, Macedonia, June, 10th.
26. Salles, P. (2010). *DynaLearn: ferramenta para o aprendizado de conceitos*. Talk for secondary school teachers at the CEM01, Sobradinho, Brasil, 1st June 2010.
27. Bredeweg, B. (2010). [Towards Folksonomy as an Instrument for Integrating Cultures](#). Integrating Cultures: Models, Simulations and Applications, Lorentz Center, Leiden, Netherlands, April, 9th.
28. Leiba, M, Zurel, D., Benayahu, Y., Mioduser, D and Zuzovsky, R (2010). *QR modelling of coastal zone issues in higher education courses*. WETLANET workshop: QR modelling for wetlands management and education, potential and perspectives, Sofia, Bulgaria, 15-19 February 2010.

29. Muhar, S., Poppe, M., Zitek, A., (2010) *Floodplain management and education – towards a better social understanding of important ecosystems services provided by riverine landscapes*. WETLANET Workshop “QR-modeling for wetlands management and education. Potentials and prospectives”, 15-19 February, 2010, CLGe-BASc, Sofia
30. Salles, P. (2010). *Advanced Qualitative Reasoning models for wetlands management*. WETLANET workshop, Sofia, Bulgaria, 15-19 February 2010.
31. Zitek, A., Preis, S., Poppe, M, Muhar, S. (2010). *Evaluating the potential of Qualitative Reasoning to capture and communicate knowledge on sustainable catchment management*. WETLANET Workshop “QR-modeling for wetlands management and education. Potentials and prospectives”, 15-19 February, 2010, CLGe-BASc, Sofia
32. Bredeweg, B. (2010). *DynaLearn – Engaging and informed tools for learning conceptual system knowledge*. WETLANET workshop: QR modelling for wetlands management and education, potential and perspectives, Sofia, Bulgaria, 17th February, 2010.
33. Bredeweg, B. (2010). *Introduction to Qualitative Reasoning*. WETLANET workshop: QR modelling for wetlands management and education, potential and perspectives, Sofia, Bulgaria, 16th February, 2010.
34. Bredeweg, B., & Salles, P. (2010). *Training on Qualitative Reasoning with Garp3*. WETLANET workshop: QR modelling for wetlands management and education, potential and perspectives, Sofia, Bulgaria, 16th February, 2010.
35. Bredeweg, B. (2009). [\*DynaLearn – Engaging and Informed Tools for Learning Conceptual System Knowledge\*](#). Cognitive and Metacognitive Educational Systems (MCES2009), AAAI Fall Symposium, Arlington, Virginia USA, November, 5th.
36. Bredeweg, B. (2012). *DynaLearn: The Artificial Intelligence perspective*. PARC, a Xerox company, Palo alto, California, USA, May 1, 2012.

### 3. Posters

1. André, E. (2010). [Engaging Virtual Characters in Learning Environment](#). Presented at the Europe Day in Augsburg, May 2010.
2. Bredeweg, B., Liem, J., Linnebank, F., Bühling, R., Wißner, M., Gracia del Río, J., Salles, P., Beek, W. and Gómez Pérez, A. (2010). [DynaLearn: Architecture and Approach for Investigating Conceptual System Knowledge Acquisition](#). In V. Aleven, J. Kay and J. Mostow (Eds.): Intelligent Tutoring Systems 2010, Pittsburg, USA, June 14th – 18th, 2010.
3. Damian, I., Endrass, B., Bee, N., André, E. (2011). A Software Framework for Individualized Agent Behavior, in Intelligent Virtual Agents, 11th International Conference, IVA 2011, Reykjavik, Iceland. Springer, 2011.
4. Mioduser, D., Nachmias, R., Benayahu, Y., Zuzovsky, R., Leiba, M., Zurel, D., & Ram, J. (2010). *Learning Science Using Qualitative Modeling Interactive Environment (Poster)*, MEITAL 8th Conference – ICT in Higher Education, The Open University, Israel.
5. Mioduser, D., Nachmias, R., Benayahu, Y., Zuzovsky, R., Leiba, M., Zurel, D., & Ram, J. (2010). [Learning Science Using Qualitative Modeling Interactive Environment \(Poster\)](#) in Y. Eshet-Alkalai, A. Caspi, S. Eden, N. Geri, & Y. Yair (Eds.), Proceedings of the Chais conference on instructional technologies research 2010: Learning in the technological era. Raanana: The Open University of Israel.
6. Poppe M., Zitek A., Stelzhammer M., Bredeweg B., & Muhar S. (2011). [How can we increase causal and structural system understanding in environmental science? First evaluation results of a conceptual modelling software \(DynaLearn\) in Austria](#). EGU General Assembly, Geophysical Research Abstracts Vol. 13, EGU2011-5725, EGU General Assembly 2011, Vienna, Austria, 3–8 April 2011.
7. Poppe, M., Zitek, A., Stelzhammer, M., Salles, P., Bredeweg, B. and Muhar, S. (2010). [How can we cope with the complexity of the environment?](#). European Geosciences Union General Assembly 2010, Vienna, Austria, May 2nd – 07th, 2010.
8. Sa, I.G., Salles, P., Leite, G.F.M., Ramos, R.R. (2010). [When is a Population a Metapopulation? A Conceptual Modeling Approach to Conservation Principles](#). In: [24th International Congress for Conservation Biology](#), Edmonton, Alberta, Canada. 24th Annual Meeting of the Society for Conservation Biology – program book, 2010. v. 1. p. 78.
9. Sá, I.G., Salles, P. (2009). [Modelo para a representação do Ciclo do Nitrogênio baseado em Raciocínio Qualitativo, tecnologia de Inteligência Artificial](#). III Congresso Latino-Americano de Ecologia (CLAE2009), São Lourenço, MG, September 10th-13th, 2009.
10. Zitek, A., Poppe, M., Stelzhammer, M., Jung, A., Zacharias, M., Muhar S. (2011). *Educating river managers of the future by teaching conceptual systems understanding – Poster presentation at the DynaLearn stand*. The Scientix Conderence, 6-8 May, Brussels, Belgium
11. Zuzovsky, R., Mioduser, D., Benayahu, Y., Zurel, D., Leiba, M., Nachmias, R. and Ram, Y. (2011). *Learning about ecological systems by constructing qualitative models with DynaLearn*. European Association for research on Learning and Instruction (EARLI) conference 2011, Exeter, United-Kingdom, 30 August – 3 September 2011.
12. SOUZA, A.; BOTTURA, G.; NEGRÃO, M. F. F. and SOUZA, T. L. (2011). *Uso da inteligência artificial para avaliar os efeitos da alteração no código florestal sobre o serviço ambiental de*

predação de pragas. I Simpósio Internacional de Ecologia. Brasília, Distrito Federal, Brasil. Universidade de Brasília.

13. BRAGA, E. P. ; SOUZA, A. ; LEITE, G. F. M. (2011) Using qualitative reasoning to modelling the effect of an alien grass introduced in natural areas of Brazilian savanna. In: 2nd World Conference on Biological Invasions and Ecosystem Functioning, 2011 (Biolief 2011), Mar del Plata, Argentina. Proceedings of 2nd World Conference on Biological Invasions and Ecosystem Functioning.

## 4. Abstracts

1. Barankin,R., Yosef, L., Zurel,D., Leiba, M., Benayahu, H., Mioduser, D., & Zuzovsky, R. (2010). *A Qualitative Model of Diving Pressure in Coral Reefs*. 7th International Conference on Ecological Informatics, Belgium, Gent, 13th – 16th December 2010.
2. Beek, W., Liem, J., Linnebank, F., Bühling, R., Wißner, M., Lozano, E., Gracia del Río, J. & Bredeweg, B. (2011). [\*Knowledgeable Feedback via a Cast of Virtual Characters with Different Competences \(interactive event\)\*](#). In: Biswas, G. et al.(2011). Proceedings of Artificial Intelligence in Education 15th International Conference, AIED 2011, Auckland, New Zealand, June 28 – July 2011, p. 620, Springer, Heidelberg.
3. Borisova, P., Uzunov, Y. & Liem, J. (2011). [\*A qualitative reasoning approach to modelling fish mortality due to algal blooms in wetlands nearby urban areas\*](#). International Conference wetlands: Functioning, Management and Restoration, 16-19 October, 2011, Albena resort, Varna, Bulgaria, p. 40.
4. Borisova, P., Liem, J., & Uzunov, Y. (2010). [\*Education about the EU Water Framework Directive using Qualitative Models \(poster\)\*](#). 7th International Conference on Ecological Informatics, Belgium, Gent, 13th – 16th December 2010, pp. 211-212.
5. Bredeweg, B., Liem, J., Beek, W., Salles, P. and Linnebank, F. (2010). [\*Progressive Knowledge Representations for Learning Conceptual Knowledge of System Behaviour\*](#). 7th International Conference on Ecological Informatics, Belgium, Gent, 13th – 16th December 2010, pp. 142-143.
6. Bühling, R., Wißner, M., Häring,M., Mehlmann, G., André, E. (2010). [\*Design Decisions for Virtual Characters in the DynaLearn Interactive Learning Environment\*](#). 7th International Conference on Ecological Informatics, Belgium, Gent, 13th – 16th December 2010, pp. 144-145.
7. Goulart, F., Salles, P., & Machado, R.M. (2010). [\*How agricultural matrix intensification may affect understory passerines that inhabit forest patches?\*](#) 7th International Conference on Ecological Informatics, Belgium, Gent, 13th – 16th December 2010, pp. 77-79.
8. Goulart, F., Salles, P., & Saito, C.H. (2010). [\*Understanding and predicting time-lags in the response of birds to agricultural intensification using qualitative models\*](#). 7th International Conference on Ecological Informatics, Belgium, Gent, 13th – 16th December 2010, pp. 71-72.
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## 5. Publications under review

1. Beek, W. and Bredeweg, B. (submitted). Providing Feedback for Common Problems in Learning by Conceptual Modeling using Expectation-Driven Consistency Maintenance. International workshop on Qualitative Reasoning, 2012.
2. Bredeweg, B. and Linnebank, F. (submitted). Simulation preferences – Means towards usable QR engines. International workshop on Qualitative Reasoning, 2012.
3. Zitek, A., Poppe, M., Stelzhammer, M., Muhar, S. and Bredeweg, B. (submitted). Learning by Conceptual Modelling - Changes in Knowledge Structure and Content. IEEE Transactions on Learning Technologies.
4. Beek, W. and Bredeweg, B. (submitted). Expectation-driven consistency maintenance for learning by conceptual modeled. IEEE Transactions on Learning Technologies.
5. Kansou, K., Nuttle, T., Farnsworth, K. and Bredeweg, B. (submitted). How plants changed the world: a qualitative reasoning model of plant macroevolution's effect on the long-term carbon cycle. Ecological informatics.
6. Kansou, K. and Bredeweg, B. (accepted with revisions). Hypothesis assessment with qualitative reasoning: modelling the Fontestorbes fountain. Ecological informatics.
7. Goulart, F.; Salles, P. and Machado, R.B. (accepted with revisions) How may agricultural matrix intensification affect understory birds in an Atlantic Forest landscape? A qualitative model on stochasticity and immigration. Ecological Informatics.
8. Goulart, F.; Salles, P.; Saito, C.H.; and Machado, R.B. (Accepted with revisions) How will matrix agricultural intensification affect bird communities inhabiting a savanna-forest mosaic? A qualitative reasoning approach. Agriculture, Ecosystems and Environment
9. Gracia, J., Lozano E., García-Silva A., Corcho O., and Gómez-Pérez A. Semantic Grounding of Loosely Structured Terminologies on the Web of Data. To be submitted to IEEE Intelligent Systems.
10. Lozano, E., Gracia, J., Corcho, O., Noble, R.A., and Gómez-Pérez, A. Problem-based learning supported by semantic techniques submitted to Interactive Learning Environments, special issue on Linked Data for Education and Technology-Enhanced Learning
11. Zuzovsky, R. and Mioduser, D."From Concept Maps to Conceptual Models - supporting students understanding of complex systems" submitted to CMC2012.
12. R. Barankin,L. Yosef, M. Leiba, D. Mioduser, R. Nachmias, J. Ram, R. Zuzovsky, Y. Benayahu1, D. Zurel. Qualitative modelling of diving pressure in coral reefs. Ecological Informatics

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