

Transdisciplinarity (TD)

Ten publications to start your scholarly journey in TD:

- 1) Couix, N. & Hazard, L. (2013) When the future of biodiversity depends on researchers' and stakeholders' thought-styles. *Futures*, **53**, 13-21.
- 2) Hadorn, G.H., Hoffmann-Riem, H., Biber-Klemm, S., Grossenbacher-Mansuy, W., Joye, D., Pohl, C., Wiesmann, U., Zemp, E. & Jäger, J. (2008) *Handbook of Transdisciplinary Research*. Springer.
- 3) Horlick-Jones, T. & Sime, J. (2004) Living on the border: knowledge, risk and transdisciplinarity. *Futures*, **36**, 441-456.
- 4) Jahn, T., Bergmann, M. & Keil, F. (2012) Transdisciplinarity: Between mainstreaming and marginalization. *Ecological Economics*, **79**, 1-10.
- 5) Klein, J.T. (2004) Prospects for transdisciplinarity. *Futures*, **36**, 515-526.
- 6) Lawrence, R.J. & Després, C. (2004) Futures of transdisciplinarity. *Futures*, **36**, 397-405.
- 7) Max-Neef, M.A. (2005) Foundations of transdisciplinarity. *Ecological Economics*, **53**, 5-16.
- 8) Pennington, D.D., Simpson, G.L., McConnell, M.S., Fair, J.M. & Baker, R.J. (2013) Transdisciplinary research, transformative learning, and transformative science. *BioScience*, **63**, 564-573.
- 9) Pohl, C. (2008) From science to policy through transdisciplinary research. *Environmental Science & Policy*, **11**, 46-53.
- 10) Roy, E.D., Morzillo, A.T., Seijo, F., Reddy, S.M., Rhemtulla, J.M., Milder, J.C., Kuemmerle, T. & Martin, S.L. (2013) The elusive pursuit of interdisciplinarity at the human-environment interface. *BioScience*, **63**, 745-753.

Examples of publications from SAPECS members related to TD:

Cundill, G.N., Fabricius, C. & Marti, N. (2005) Foghorns to the future: using knowledge and transdisciplinarity to navigate complex systems. *Ecology and Society*, **10**, 8.

Reyers, B., Roux, D.J., Cowling, R.M., Ginsburg, A.E., Nel, J.L. & O'Farrell, P. (2010) Conservation Planning as a Transdisciplinary Process. *Conservation Biology*, **24**, 957-965.

Reyers, B., Roux, D.J. & O'Farrell, P.J. (2010) Can ecosystem services lead ecology on a transdisciplinary pathway? *Environmental Conservation*, **37**, 501-511.

Rivera-Ferre, M.G., Pereira, L., Karpouzoglou, T., Nicholas, K.A., Onzere, S., Waterlander, W., Mahomoodally, F., Vrieling, A., Babalola, F.D. & Ummenhofer, C.C. (2013) A vision for transdisciplinarity in Future Earth: Perspectives from young researchers. *Journal of Agriculture, Food Systems and Community Development*, **3**(4), 249.

Roux, D.J., Stirzaker, R.J., Breen, C.M., Lefroy, E.C. & Cresswell, H.P. (2010) Framework for participative reflection on the accomplishment of transdisciplinary research programs. *Environmental Science & Policy*, **13**, 733-741.

Mainstreaming and implementation

Examples of publications from SAPECS members related to mainstreaming and implementation:

Biggs, H., Breen, C. & Palmer, C. (2008) Engaging a window of opportunity: Synchronicity between a regional river conservation initiative and broader water law reform in South Africa. *Water Resources Development*, **24**, 329-343.

Cowling, R.M., Egoh, B., Knight, A.T., O'Farrell, P.J., Reyers, B., Rouget, M., Roux, D.J., Welz, A. & Wilhelm-Rechman, A. (2008) An operational model for mainstreaming ecosystem services for implementation. *Proceedings of the National Academy of Sciences of the United States of America*, **105**, 9483-9488.

Egoh, B., Reyers, B., Rouget, M., Richardson, D.M., Le Maitre, D.C. & van Jaarsveld, A.S. (2008) Mapping ecosystem services for planning and management. *Agriculture, Ecosystems & Environment*, **127**, 135-140.

Knight, A.T., Driver, A., Cowling, R.M., Maze, K., Desmet, P.G., Lombard, A.T., Rouget, M., Botha, M.A., Boshoff, A.F. & Castley, J. (2006) Designing systematic conservation assessments that promote effective implementation: best practice from South Africa. *Conservation Biology*, **20**, 739-750.

Reyers, B., Rouget, M., Jonas, Z., Cowling, R., Driver, A., Maze, K. & Desmet, P. (2007) Developing products for conservation decision-making: lessons from a spatial biodiversity assessment for South Africa. *Diversity and Distributions*, **13**, 608-619.

Roux, D.J. & Nel, J.L. (2013) Freshwater conservation planning in South Africa: milestones to date and catalysts for implementation. *Water SA*, **39**, 151-163.

Sitas, N., Prozesky, H.E., Esler, K.J. & Reyers, B. (2013) Opportunities and challenges for mainstreaming ecosystem services in development planning: perspectives from a landscape level. *Landscape Ecology*, DOI 10.1007/s10980-013-9952-3.

Sitas, N., Prozesky, H.E., Esler, K.J. & Reyers, B. (2014) Exploring the Gap between Ecosystem Service Research and Management in Development Planning. *Sustainability*, **6**, 3802-3824.