

THE WORLD CONFERENCE ON ECOLOGICAL RESTORATION
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ECOLOGICAL RESTORATION: A GLOBAL CHALLENGE

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Symposium: Criteria and Methodologies for Evaluating Restoration Projects

Organisers:

Susana Bautista, Jordi Cortina, V. Ramón Vallejo, and the REACTION partnership.

Dpt. of Ecology, University of Alicante, Apdo. 99. Alicante E-03080, Spain

E-mail: s.bautista@ua.es

www.gva.es/ceam/reaction

Rationale:

The efficiency and effectiveness of restoration actions can be improved through on-going evaluation and transfer of the most appropriate techniques and technologies. Despite the increasing importance of restoration initiatives worldwide, serious quantitative evaluation of the degree of success of restoration projects is only rarely conducted. To improve the evaluation of restoration actions, there are three primary needs: 1) to define evaluation strategies and the appropriate criteria for success, 2) to incorporate recent advances on indicators and evaluation methodologies, and 3) to harmonize evaluation protocols employed in comparable projects.

Objectives

This symposium will permit discussion and comparison of evaluation approaches and methodologies, and provide practical tools for evaluating restoration success. Specifically, the following topics will be addressed: Candidate criteria for evaluating restoration actions; attributes and indicators to be assessed from ecological, economical, and socio-economic perspectives; basic information needed; the role of reference sites; appropriate spatial scales for evaluating success; potential for long-term monitoring of ecosystem trajectory analysis; potential for short-term evaluation of restoration efforts for use in judging long-term restoration success. Case studies presenting applications of novel evaluation methodologies will be presented and discussed.

Contributions:

Long-term evaluation of restoration projects in the Mediterranean. The REACTION approach.

Vallejo V.R.¹, S. Bautista², and J.A. Alloza¹ and the REACTION partnership³

¹CEAM Foundation. Valencia. Spain, vvallejo@ub.edu

²Department of Ecology. University of Alicante. Spain

³www.gva.es/ceam/reaction

Long-term Ecological Monitoring and Restoration of Piñon-Juniper Woodlands at Bandelier National Monument, New Mexico, USA

Allen, C.D.¹, K.L. Beeley² and B.F. Jacobs²

¹USGS Jemez Mountains Field Station, Los Alamos, New Mexico, USA

craig_allen@usgs.gov

²Bandelier National Monument, Los Alamos, New Mexico, USA

Restoration as Succession in Terrestrial Systems

Walker, L.R.¹, J. Walker² and R. del Moral³

¹Department of Biological Sciences. University of Nevada. Las Vegas. USA.

walker@unlv.nevada.edu

²CSIRO Land and Water. Canberra. Australia.

³Department of Biology. University of Washington. Seattle. USA.

Reference Systems and Evaluation

Aronson J.¹ and D. Vallauri²

¹CEFE-CNRS, Montpellier, France, james.aronson@cefe.cnrs.fr

²WWF-France, Marseille, dvallauri@wwf.fr

Restoring degraded landscapes or building resilience? Two case studies from inland Australia.

Lamb, David

School of Integrated Biology, University of Queensland, Brisbane, Australia.

d.lamb@botany.uq.edu.au

Monitoring forest restored areas in Southern Spain

Navarro, R. M. Dpt. Ingeniería Forestal, ETSIA. University of Córdoba.

ir1nacer@uco.es

Monitoring Ecological Processes in Restoration Projects

Herrick, J.E.¹, S.L. Tartowski¹, A. Rango¹, A.S. Laliberte¹, and G.E. Schuman²

jherrick@nmsu.edu

¹USDA-ARS Jornada Experimental Range, Las Cruces, New Mexico, USA

²USDA-ARS High Plains Grasslands Research Station, Cheyenne, Wyoming, USA

Ecosystem function and restoration success: are they related?

Cortina, J.¹, Maestre, F.T.^{1,2} and Vallejo, V.R.³

¹Dept. of Ecology. Univ. of Alicante. Alicante (Spain). jordi@ua.es

²Dept. of Biology. Duke Univ., Durham, NC (USA).

³Fundación CEAM. Paterna, Valencia (Spain).