

## Standardising pest fauna monitoring and data systems using the Ecological Monitoring System Australia - EMSA

## Developed by TERN for the Australian Government

Twenty-four EMSA standardised protocol modules have been developed to enable natural resource managers and ecologists to collect, manage and deliver quality, repeatable data for decision-making. Standardised ecological field survey and monitoring protocols will strengthen the evidence base for assessing and quantifying the impact of pest fauna on conservation and restoration programs.



Camera Trapping



Opportune





Fauna Aerial Surveys



Fauna Ground Counts



Sign-based Fauna Surveys



Herbivory and Physical Damage



- Provide standards for data collection when monitoring key pest fauna species
- Improve the understanding and measurement of the effectiveness of pest fauna management
- Allow the user to complete the modules most relevant to their project
- Facilitate better access to, and re-use of pest fauna survey data for adaptive management, research and policy



Ensure that survey design and implementation, as well as data access is streamlined, consistent, automated and robust





Literature review



Expert consultation

ield testing













EMSA modules most relevant to pest fauna monitoring programs



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Australian Government

Department of Climate Change, Energy, the Environment and Water







We acknowledge the Traditional Owners and Custodians throughout Australia. We honour their connections to land, water, biodiversity and culture and pay our respects to their Elders past, present and emerging.