



**Member's report on activities related to ICRI**

**Reporting period October 2013 – September 2014**

**1. Updates on your activities.**

**Project 1**

Cornerstone(s) implemented through the project	Check all that apply: <input type="checkbox"/> Integrated Management <input type="checkbox"/> Capacity Building <input checked="" type="checkbox"/> Science & Monitoring <input type="checkbox"/> Periodic Assessment (Review)
Project Title	<a href="#">Coral Reef Monitoring</a>
Location	<a href="#">Sodwana Bay</a>
Dates	<a href="#">Ongoing since 1993</a>
Main Organizer(s)	<a href="#">Oceanographic Research Institute (ORI)</a>
Main Stakeholder(s)	<a href="#">ORI</a>
Description of Project (Please elaborate on how the project implements the FFA cornerstones)	<a href="#">Long-term monitoring of coral community change in fixed quadrats, with temperature-recording.</a>
Outcome (Expected outcome)	<a href="#">Long-term monitoring of changes in coral community in the face of climate change at high latitude.</a>
Lessons learned	<a href="#">Shifts anticipated at this stage are occurring from soft to hard corals.</a>
Related websites (English preferred)	<a href="http://www.ori.org.za">www.ori.org.za</a>

**Project 2**

Cornerstone(s) implemented through the project	Check all that apply: <input type="checkbox"/> Integrated Management <input checked="" type="checkbox"/> Capacity Building <input checked="" type="checkbox"/> Science & Monitoring <input type="checkbox"/> Periodic Assessment (Review)
Project Title	<a href="#">iSimangaliso Reef Resilience Monitoring Programme</a>
Location	<a href="#">Sodwana Bay</a>
Dates	<a href="#">Initiated in 2013, ongoing</a>
Main Organizer(s)	<a href="#">Ezemvelo KwaZulu-Natal Wildlife (EKZNW)</a>
Main Stakeholder(s)	<a href="#">EKZNW, ORI, dive operators</a>
Description of Project (Please elaborate on how the project implements the FFA cornerstones)	<a href="#">A monitoring manual for the iSimangaliso Reef Resilience Monitoring Programme has been developed and reef monitoring will be undertaken with public participation.</a>
Outcome (including expected outcome)	<a href="#">Reef monitoring using citizen science.</a>

Lessons learned	<a href="#">Recently commenced</a>
Related websites (English preferred)	

### Project 3

Cornerstone(s) implemented through the project	Check all that apply: <input type="checkbox"/> Integrated Management <input type="checkbox"/> Capacity Building <input checked="" type="checkbox"/> Science & Monitoring <input type="checkbox"/> Periodic Assessment (Review)
Project Title	<a href="#">ORI Coral Reef Programme</a>
Location	<a href="#">Maputaland Coral Reefs</a>
Dates	<a href="#">Initiated in 1990</a>
Main Organizer(s)	<a href="#">Oceanographic Research Institute (ORI)</a>
Main Stakeholder(s)	<a href="#">ORI</a>
Description of Project (Please elaborate on how the project implements the FFA cornerstones)	<a href="#">An integrated research programme presently covering reef connectivity using coral genetics and bio-acoustic telemetry in fish communities; coral reproduction and recruitment including changes in gene expression with climate change; the palaeo-climate record in reef sediments; and an economic valuation of reefs and their ecosystem services.</a>
Outcome (Expected outcome)	<a href="#">The research is management-orientated and is expected to result in management recommendations.</a>
Lessons learned	<a href="#">Ongoing research</a>
Related websites (English preferred)	<a href="http://www.ori.org.za">www.ori.org.za</a>

## 2. Contribution to the ICRI Plan of Action and GM.

### a. Engaging other sectors

[Community and public participation in reef monitoring is being encouraged in Project 2 outlined above, engendering a sense of co-ownership, sustainable use and improved management of the reef resources.](#)

### b. Reef zoning for multiple use

Location where a zoning plan has been implemented	<a href="#">Maputaland Coral Reefs in iSimangaliso Wetland Park</a>
Year when the zoning plan was implemented	<a href="#">Mid-1990s</a>
Is the zoning plan accepted by the local community?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Did the zoning plan cause conflict among stakeholders?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did the zoning plan resolve conflict among stakeholders?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Has there been effective enforcement for stakeholders to follow the zoning plan?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Overall, how would you rate the success of the zoning plan?	<input type="checkbox"/> Very successful <input checked="" type="checkbox"/> Somewhat successful <input type="checkbox"/> Not so successful <input type="checkbox"/> Unsuccessful

[The zoning plan was given a mixed reception but, while it did engender a measure of discontent, it has resolved more conflict than it has caused.](#)

### 3. Publications.

Title (incl. author and date)	Website URL if available	Type of publication (Paper, report, etc.)
SCHLEYER, M.H & FLOROS, C. 2012. A proposed dive site zonation plan for the Central Reef Complex at Sodwana Bay, iSimangaliso Wetland Park. Oceanographic Research Institute, Durban: 24 p. (ORI Unpublished Report 302).		Unpublished report: restricted circulation
LAING, S.C.S. 2013. An economic valuation of the coral reefs of Sodwana Bay, northern KwaZulu-Natal. M Comm thesis. University of KwaZulu-Natal, Durban. 109 pp.		Thesis
SHEPPARD CRC, ATEWEBERHAN M, CHEN AC, HARRIS A, JONES R, KESHAVMURTHY S, LUNDIN C, OBURA D, PURKIS S, RINES P, RIEGL B, SCHLEYERMH, SHEPPARD ALS, TAMELANDER J, TURNER JR, VISRAM S & YANG S-Y. 2013. Coral reefs of the Chagos Archipelago, Indian Ocean. In: RIEGL BM & DODGE RE (eds). Coral Reefs of the United Kingdom Overseas Territories. Coral Reefs of the World 4: 241-252.		Chapter in book
ATEWEBERHAN, M., FEARY, D.A., KESHAVMURTHY, S., CHEN, A., SCHLEYER, M.H. & SHEPPARD, C.R.C. 2013. Climate change impacts on coral reefs: Synergies with local effects, possibilities for acclimation, and management implications. Marine Pollution Bulletin, <a href="http://dx.doi.org/10.1016/j.marpolbul.2013.06.011">http://dx.doi.org/10.1016/j.marpolbul.2013.06.011</a>		Research paper in refereed journal
SCHLEYER, M.H. & PEREIRA, M.A.M. (2014). Coral Reefs in Maputo Bay. In: BANDEIRA, S. & PAULA, J.P. (eds). The Maputo Bay Ecosystem. WIOMSA, Zanzibar, pp 187-205.		Chapter in book
SCHLEYER, M.H. (in press) New distributional record of the corallimorpharian, <i>Amplexidiscus fenestrafer</i> Dunn & Hamner, 1980, in the western Indian Ocean. <i>Galaxea</i> , Journal of Coral Reef Studies.		Field note in refereed journal
SÉRÉ MG, TORTOSA P, QUOD J-P, CHABANET P, SCHLEYER MH (in press) Aetiology of white patch syndrome, a newly-reported disease affecting the massive coral <i>Porites lutea</i> in the western Indian Ocean. PlosOne DOI: 10.1371/journal.pone.0083746		Research paper in refereed journal
SÉRÉ MG, TORTOSA P, CHABANET P, TURQUET J, QUOD J-P, SCHLEYER MH (in press) Bacterial communities associated with <i>Porites</i> White Patch Syndrome (PWPS) on Three Western Indian Ocean (WIO) Coral Reefs. PlosOne DOI: 10.1371/journal.pone.0083746		Research paper in refereed journal

### 4. General Information.

Member type (Country / Organization):	
<b>Focal Point 1:</b>	
Name:	Prof M.H. Schleyer
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