

# FINAL BRIDGING ACTIVITY REPORT

*Metadata Development for the SANREM Knowledge Base*

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## **I. Executive Summary**

The overall goal of this project was to support the SANREM mission of effective knowledge dissemination in the domain of sustainable agriculture and natural resource management. To accomplish this, the objectives were: a) define a metadata structure for SANREM resources that facilitate access to and dissemination of materials; b) catalog existing SANREM resources generated in the previous project phases; and c) develop a guidance document for those defining and entering the metadata.

The metadata structure has been refined and is stable, with over 1,000 records entered to date by a range of individuals including project personnel, office staff, and SANREM researchers. The guidance manual was revised to clarify data entry with the release of Version 2. The resources referenced on the original UGA SANREM website were cataloged and, of almost 900 resources evaluated, over 400 were identified as having archival value and were entered in the SANREM Knowledge Base (SKB).

## **II. Research Accomplishments by Objective**

**Objective 1.** Develop, with the assistance of the SANREM Management Entity (ME), a metadata template for cataloging the resources produced by and related to the previous and ongoing SANREM project phases.

The metadata template, conforming to the Dublin Core elements, was defined and implemented in the SANREM Knowledge Base (SKB). The template was revised as the process of entering various types of data records brought new issues to light. For the past year, the template has been stable. Well over 1,000 entries are in the SKB and many now being entered by the intended end users- the SANREM researchers.

**Objective 2.** Catalog the digital and print resources of previous SANREM CRSP projects as referenced on the <http://www.sanrem.uga.edu> website and provide the metadata in a defined digital format.

The resources listed on the UGA website have been cataloged and, in most cases, have been copied and stored in the SKB for permanent archival. These resources were screened to identify those of referenceable and archival value, for which an entry was created in the SKB and keywords and a summary of the resource created. For most resources, a digital copy is stored in

the Virginia Tech database, providing a permanent archive. For resources that cannot be stored in the SKB due to copyright, format, or availability issues, a permanent reference to access the resource is included. Around 400 resources were selected and cataloged from the UGA website. All records have been entered, reviewed, and “published” as available for public access. The distribution of the types of materials from the previous SANREM phases are as follows:

- Journal Articles (68 records)
- SANREM Conference Presentations (54 records)
- Book Chapters (62 records)
- Books (32 records)
- Research Briefs (36 records)
- Proceedings (4 records)
- Working Papers (29 records)
- Annual Reports (5 records)
- Conference Papers (45 records)
- Conference Presentations (96 records)
- Theses and Dissertations (6 records)
- Research Reports (14 records)

**Objective 3: Develop a guidance document for metadata development for the SKB that will serve as a reference for future contributors of SANREM project materials.**

A SANREM metadata document was revised based on feedback from this first year of broader use. Version 2 of the document is submitted as the final step of this project requirement.

### **III. Networking Activities**

The background, goals and entry procedures for the SKB were presented to the SANREM partners at the annual SANREM meeting in April. Three undergraduate students received training and contributed to the resource cataloging and review process.

### **IV. Project Highlights**

- A metadata structure has been defined that is effective for cataloging currently available SANREM data and providing a flexible framework for the future.
- The SKB template conforms to Dublin Core structure to provide a stable resource that will have long-term value and utility.
- Materials from the earlier SANREM projects have been cataloged. Around 900 resources have been screened, with over 400 selected for entry in the SKB. These resources have been through the final review and “published.”
- A guidance document for entering SKB metadata was developed, revised, and released as Version 2.

### Publications, Presentations and Other Products

Category	Bibliographic Citation*
Reports	SANREM-CRSP. 2006. <i>SANREM Knowledge Base Metadata Guide (Version 2)</i> . Office of International Research, Education and Development, Virginia Tech, Blacksburg.
Bibliographic Databases and Miscellaneous	SANREM Knowledge Base