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SIMBIOS Project 2001 Annual Report

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Chapter 2

SIMBIOS: Science Team and Contracts

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2.1 SCIENCE TEAM

The Science Team is selected through a NASA Research Announcement (NRA). Presently, NASA has had two NRA's, in 1996 and 1999. NASA HQ manages the process of team selection, but the Goddard Space Flight Center (GSFC) NASA Procurement Office handles the team contracts, work statements and, if necessary, budget negotiations. The Project funds numerous US investigators and collaborates with several international investigators, space agencies (e.g., NASDA, CNES, KARI, etc.) and international organizations (e.g., IOCCG, JRC). US investigators under contract provide *in situ* atmospheric and bio-optical data sets, and develop algorithms and methodologies for data merger schemes. NASA GSFC Procurement requires formal evaluations for all contracts at the end of each contract year. These evaluations are to go into a database and are shared with the PI's institution or upper management.

The locations of specific SIMBIOS team investigations (i.e., NRA-99) are shown in Figures 2.1. The international ocean color community response for the NRA-99 was overwhelming, with a total of 75 PI's attempting to collaborate with the Project group in twelve proposals. The twelve international proposals cover topics ranging from protocols, calibration-validation activities, atmospheric-biological algorithms, and data merging.

The SIMBIOS Science Team (NRA-96) meetings were held in August 1997 at Solomons Island (Maryland), in September 1998 at La Jolla (California) and in September 1999 at Annapolis (Maryland). Meanwhile, the SIMBIOS Science Team's (NRA-99) meeting will be held in January 2001 at GSFC in Greenbelt, Maryland and in January 2002 at the Marriott (BWI), Baltimore, Maryland.

In general, all Science Team members, US and international, were in attendance or were represented by one of their staff. Also, the IOCCG and MODIS Teams are invited, and most attended or sent representatives. During each year the Project Office has fostered international collaborations by hosting visiting scientists at GSFC. These visits lasted from one week to several months. For international participants, the Project provided partial or as-needed travel support to team meetings or to collaborate with the project on specific topics such as calibration, and product evaluations.

The fifth science team meeting (January 2002) was the most attended, participation reached over 90 scientists (Figure 2.2). The team had a substantial US (SIMBIOS and MODIS PIs) and international participation, with official representation from OCTS, POLDER-I and II, MOS, MERIS, GLI, and VIIRS missions. During the meeting the team addressed atmospheric correction and bio-optical algorithms, a MODIS data merging plan for 2002, uncertainty budget and sources from *in situ* observation, SeaWiFS re-processing, protocols updates and international collaborations. The agenda, presentations, minutes and recommendations are posted at <http://simbios.gsfc.nasa.gov/Info/>

Chapters 4 to 21 contain the individual PI's contributions and describe the funded research topics, field studies activities, and results of concluded research. These chapters are reproduced as submitted with minimal editing by the Project Office.

2.2 CONTRACT OVERVIEW

The second-year of the SIMBIOS NRA-99 contracts ended on November 30, 2000. The SIMBIOS Project scheduled a telephone conference (telecon), of about 30-45 minutes, with each PI and other appropriate staff during the month of October. Prior to the telecon, the SIMBIOS Project reviewed each contract, the statement of work, and the agreed to deliveries. The Project Office followed the same procedure used in 1999 and coordinated an inside panel with key contract and project personnel to perform an across-the-board evaluation of all funded contracts (Table 2.1).

Table 2.1 Contract evaluation key personnel

Contracting Officer:	Lynne Hoppel
Contracting Assistant:	Kathy Lingerfelt
Resource/Financial Officer:	Patty Clow
Manager, SIMBIOS Project:	Giulietta Fargion
Manager, Office for Global Carbon Studies:	Charles McClain

The four categories to be evaluated are suggested in the "Evaluation of Performance" from the Federal Acquisition Regulation (FAR) 42.15 and NASA FAR Supplement (NSF) 1842.15 or NASA form 1680 used by GSFC.