REUSE RESEARCH PLANS AT LANGLEY RESEARCH CENTER

Susan Voigt and Carrie Walker
NASA Langley Research Center

The reuse activities at Langley have centered on the development of the Eli system by SPS, as already described. The development of a computer systems design environment at Langley was described as a target application for the future Eli system. This environment combines software development tools with an architecture design and analysis tool. Specifically, a Computer-Aided Software Engineering (CASE) system, under development at Charles Stark Draper Laboratory for Langley, is being used to generate Ada code for use in architecture functional simulations using the Architecture Design and Assessment System (ADAS). The Eli system will be included in this tool set and will be used to organize and promote reuse of the functional simulation code modules.
SYSTEM DESIGN ENVIRONMENT

Symbolics

Data Flow Diagrams

CASE

Directed Graph Model

SUN-3

Eli, etc.

Reuse Library

Configuration Management

ADAS

Functional Simulator

Graphical Simulator

VaxStation 3200

System Simulation & Performance Analysis

Ada Code