PM Project Database

Bernard Dixon and Gene Guerny

The GSFC Resource Encyclopedia was recently developed by the Resource Analysis Office in order to capture the history of people, projects and science at NASA's Goddard Space Flight Center. Bernard Dixon and Gene Guerny showed PMSEP delegates the structure and organization of the new encyclopedia and unveiled a new PPMI Lessons Learned CD-ROM, first in a series.

Under "GSFC Projects" the Resource Encyclopedia takes you through each Goddard project, past and present, with a list of instruments, charts and reports. Most projects contain an overview and four summaries: resource, technical, schedule and cumulative schedule which includes milestones by percentage of months, staff and cost.

"Organization" displays the GSFC organizational chart by code, and each code lists staff and mission. Individual information is extracted from the "People" window: name, address and perhaps a photo and short work history.

"Science" presents a list of instrument families, orbital mechanics, the President's Quality Award application and the GSFC Strategic Plan. Each instrument contains a technical description. "Data and Information" contains a top level description of facility manpower, funds, projects, people and organizations. More detailed data is presented under each category. "Timeline" presents a graphic representation of projects imposed on top of a timeline defined by decade. Projects can be sorted alphabetically or chronologically, and selection of a project pulls up all the information behind the "GSFC Projects" window.

"MAP" is a graphical representation of GSFC buildings and a locator for codes, projects and civil servants. The "Gallery" window is populated with pictures, still and motion, on GSFC projects, people, science, the future of the organization and Lessons Learned CD-ROMs.

The "Instruments" window displays the Resource Analysis Office parametric and raw data with the type of instrument measurement with costs, weight and statistical information. "RAO Products" starts with a list of material developed by the Resource Analysis Office such as parametric cost estimating models and a presentation of selected materials.

"Tour" provides an audio explanation of each window and a description of the data available in each window. The audio tour can be turned on and off. "Configuration" allows an individual to configure the computer to access various material along a CD-ROM path or a hard drive path.

The first in a series of interactive CD-ROMs on lessons learned was unveiled at the Project Management Shared Experiences Program in Virginia Beach. The first disk features the Compton Gamma Ray Observatory, the heaviest (17 tons) astrophysical payload flown, launched April 5, 1991. Subsequent PPMI CD-ROMs will cover COBE, UARS, IUE, GOES (849), ICE/ISEE, Orbital Mechanics, Hubble Space Telescope, Next Generation Telescope, Jerry Madden's 101 Lessons Learned in Project Management and Dr. Noel Hinners' presentation to PMSEP.

Bernard Dixon
NASA Goddard Space Flight Center
Mail Code 152.0
Greenbelt, MD 20771
(301) 286-7179

Gene Guerny
NASA Goddard Space Flight Center
Mail Code 200
Greenbelt, MD 20771
(301) 286-6548