

Project Analysis and Reporting System (PARS)

EM Project Management Conference
February 15, 2001

Agenda

- ◆ Background
- ◆ Objectives
- ◆ System Concept
- ◆ Data Dictionary
- ◆ Data Collection
- ◆ Development & Implementation Path

Background

- ◆ SAE Requirement to Provide Current, Accurate Status on Projects
- ◆ NAS/NRC Recommended Increase Use of IT to Communicate Project Information Across the Agency
- ◆ An element of DOE's PM Reform Initiative and New PM Order to **Track** and **communicate** the cost, schedule and scope of a project

Objectives

- ◆ Establish a common project tracking and status capability at the DOE corporate level
- ◆ Leverage advances and best practices in web-enabled applications
- ◆ Develop migration path for automated Project Data Sheet generation and OMB/Congressional Reporting.

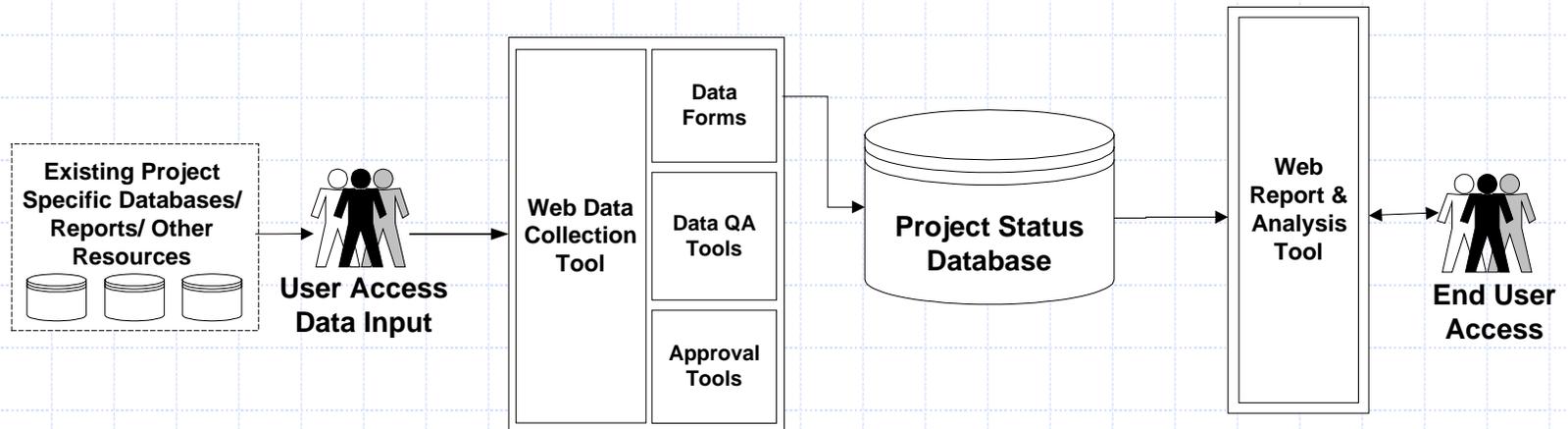
Data Dictionary

- ◆ Identifies and Defines Data Elements
 - Data Element Name
 - Data Type
 - Field Name
- ◆ Reference and Compliance Sources
 - OMB A-11
 - Project Data Sheets
 - EV Terminology
 - DOE Order 413.3 Process Terms

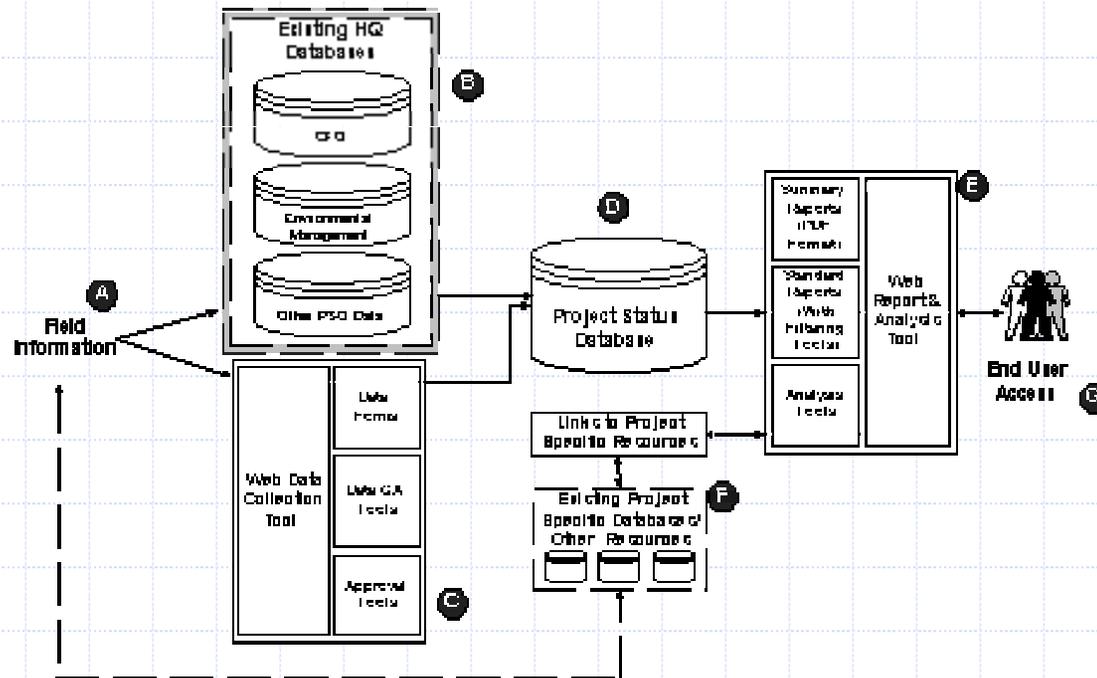
Key Project Measures

- ◆ Process Measures
 - Measure effort
 - Earned Value
- ◆ Progress Measures
 - Measuring progress towards an incremental objective
 - Milestones
- ◆ Product Measures
 - Qualitative measures of the quality of a product/capital asset
 - Key Performance Parameters

System Concept - Prototype



Full Scale Concept (Notional)



System Development Status

- ◆ Contract with Project Performance Corporation (PPC) to develop prototype
- ◆ System Concept Completed; Initial Technologies Selected
- ◆ Data Dictionary Finalized
- ◆ Data Model and System coding complete
- ◆ User interface/displays under development
- ◆ Prototype activation in mid-March
- ◆ Currently identifying projects and project managers

Near Term Data Collection Methodology

- ◆ DOE/Federal Project Managers will enter monthly through a web enabled interface
- ◆ Monthly updates of dynamic data (EV, Milestones, Issues)
- ◆ Future automation will be considered

Next Steps

- ◆ Complete user interface coding
- ◆ Activate initial operational capability at contractor location
- ◆ Train and assist project managers
- ◆ Load data and begin test & evaluation by users
- ◆ Develop full operational capability concept design and begin preliminary design.
- ◆ Full up capability planned for FY 2002