

ICARDA DATABASES AND SYSTEMS



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Name of Database	ICARDA Meteorological Database
Developed by	ICARDA In house development (GISU/CBSU)- Hashem Abed
Date of production	2003
Description	Meteorological database collects climatic data at several time periods, 5-minute, hour, 3-hours, day, 10-days or month. The collected climatic data is entered manually or imported to the database directly from external files. These files are produced by weather stations or prepared by users. In addition, 10-daily data can be calculated from existing daily data and monthly data can be calculated from existing daily or 10-daily data. Each climatic piece of data is recorded at a specific date and time by a specific weather station that belongs to a specific country. Users can use pre-defined reports or build their own to display recorded data including charts.
Programming Language / Platform	ASP, C++, IIS, Windows Server
DBMS	Oracle 9i
Custodian	Eddy de Pauw (GISU)
Current size	4,735,175 records in 22 tables

Name of Database	ICARDA Soil Database
Developed by	ICARDA In house development (GISU/CBSU)- Hashem Abed
Date of production	2006
Description	The database accommodates rich and extensive data on soil sites profiles. Providing detailed data entry forms for site profiles, horizons, landform descriptions, chemical attributes and other soil data, it can be queried through a powerful search engine to produce summarized soil profiles in PDF formats
Programming Language / Platform	PHP, Apache, Windows Server
DBMS	Oracle 9i
Custodian	Eddy de Pauw (GISU) - MP3
Current size	14 records in 4 tables

Name of Database	ICARDA Metadata Database
Developed by	ICARDA In house development (CBSU)- Hashem Abed
Date of production	2004
Description	ICARDA Metadata database provides a single point of access into the various cross-domain data collected and produced by scientists at ICARDA. It provides a means for scientists to

	find and access material to aid in the furtherance of their work, thus assisting in the advancement of knowledge. The Metadata database may be searched through Intranet and can be easily made available to the World Wide Web
Programming Language / Platform	ASP, IIS, Windows Server
DBMS	Microsoft Access
Custodian	CBSU
Current size	330 records in 7 tables

Name of Database	Water Resources Inventory
Developed by	ICARDA In house development (CBSU)- Hashem Abed
Date of production	2002
Description	Covers data for water resources in West Asia collected from the countries themselves
Programming Language / Platform	ASP, IIS, Windows Server
DBMS	Microsoft SQL 2000
Custodian	Ahmed Hachum (MP1)
Current size	4,198 records in 20 tables

Name of Database	SeedMan
Developed by	ICARDA In house development (CBSU) Khaled El-Shamaa'
Date of production	2002
Description	ICARDA seed manager database system used mainly for two linked tasks: <ul style="list-style-type: none"> ○ Store machine adjustments information for: threshing, cleaning, treating and grading ○ Store management
Programming Language / Platform	VBA, Windows
DBMS	Microsoft Access
Custodian	Abdul Aziz Nian (SU)
Current size	19,500 records in 19 tables

Name of Database	Long-term Trials Database
Developed by	ICARDA In house development (CBSU)- Khaled El-Shamaa'
Date of production	2002
Description	This long-term trials database provides a plot-wise data for the following trials: <ul style="list-style-type: none"> ○ Two-course Barley-legume rotations, 1983-97 (14 years, 7 cycles) at Tel Hadya and Breda

	<ul style="list-style-type: none"> ○ Barley monocropping, 1987-97 (10 years) at Tel Hadya and Breda ○ Two course wheat rotations at Tel Hadya ○ Three-course wheat rotations at Tel Hadya
Programming Language / Platform	VBA, Windows
DBMS	Microsoft Access
Custodian	Murari Singh (CBSU)
Current size	10,287 records in 11 tables

Name of Database	International (Barley, Chickpea, Lentil) Information System (IBIS, IChiS, ILIS)
Developed by	ICARDA Integrated Gene Management Program (MP2)
Date of production	2005, 2005, 2006
Description	The International Crop Information System (ICIS) is a flexible, windows/WEB based database system for management of crop research data, including pedigrees, selection histories, field and laboratory evaluations, survey results and molecular data integration
Programming Language / Platform	ASP, .NET, IIS, Windows 2003 server
DBMS	Ms SQL
Custodian	ICARDA Integrated Gene Management Program (MP2)
Current size	400k, 23K, 11K records respectively 283

Name of Database	Plant Genetic Resources Database
Developed by	ICARDA In house development (GRU)
Date of production	1994
Description	The database contains information on: <ul style="list-style-type: none"> - Passport data. - Characterization and evaluation data. - Seed stock control For all the accessions in the ICARDA Genebank
Programming Language / Platform	Visual FoxPro, Windows Server
DBMS	FoxPro
Custodian	Jan Konopka (GRU)
Current size	133,000 records

Name of Database	Nitrogen fixing genetic resources of CGIAR
Developed by	ICARDA In house development (GRU)
Date of production	

Description	Documentation of N-fixing genetic resources, mainly rhizobia, conserved and available. Developed in the framework of a System Wide Genetic Resources Program (SGRP). Irregular update.
Programming Language / Platform	Visual FoxPro, Windows Server
DBMS	FoxPro
Custodian	J. Konopka (GRU) - general, M.Zaklouta (NRMP) – Rhizobia of forage legumes, F.Afandi (GP) – Rhizobia for food legumes
Current size	ICARDA 1526 specimens, CIAT 4256, IITA 1385, IRRI 1392, ILRI 80 specimens. Passport data plus information on symbiotic effectiveness from collections of ICARDA (1015 accessions), IITA 246, and ILRI 21

Name of Database	Global Inventory of Barley Genetic Resources
Developed by	ICARDA In house development (GRU)
Date of production	2004
Description	Provides information on passport data on accession-basis including pedigrees, collection sites and spatial information. Information compiled based on input from more than 60 major barley collection holders
Programming Language / Platform	Visual FoxPro, Windows Server
DBMS	FoxPro
Custodian	GRU
Current size	200,000 records

Name of Database	Global Database of Wheat Wild Relatives
Developed by	ICARDA In house development (GRU)
Date of production	2005
Description	Provides information on passport data on accession-basis including collection sites
Programming Language / Platform	Visual FoxPro, Windows Server
DBMS	FoxPro
Custodian	GRU
Current size	18,000 records

Name of Database	Database of Bread Wheat Collections of ICARDA, VIR and AWCC
Developed by	ICARDA In house development (GRU)

Date of production	2005
Description	Provides information on passport data on accession-basis including collection sites and mapping facility. It has predefined subsets of biotic and abiotic stresses. Available on-line at: www.bdldb.net
Programming Language / Platform	
DBMS	
Custodian	GRU
Current size	17,000 records

Name of Database	Database of dryland biodiversity of Syria, Jordan, Palestinian Authority, and Lebanon covered by GEF project
Developed by	ICARDA In house development (GRU)
Date of production	
Description	The system registers data obtained by the GEF project. Contains data on Target areas, Project sites, Monitoring areas and species growing on monitoring plots and surveys of the conditions of monitoring plots and species observed on monitoring plots.
Programming Language / Platform	Visual FoxPro, Windows Server
DBMS	FoxPro
Custodian	J.Konopka & A.Amri (GRU)
Current size	

Name of Database	Seed Health Laboratory database of incoming seeds
Developed by	ICARDA In house development (GRU)
Date of production	2004
Description	Documentation of incoming seeds inspected and tested for seed health by the SHL of ICARDA
Programming Language / Platform	Visual FoxPro, Windows Server
DBMS	Clipper
Custodian	Asaad (SHL) for the data, J.Konopka (GRU)
Current size	1124 records

Name of Database	Varietal Releases Database
Developed by	ICARDA In house development (MP1)
Date of production	2002
Description	Keeps track of all varieties released by NARS in collaboration

	with ICARDA breeding program. The flexible WEB interface is available on the Intranet and using a friendly menu driven approach to database queries.
Programming Language / Platform	ASP, .NET, IIS, Windows 2003 server
DBMS	Access
Custodian	MP2
Current size	810 Records

Name of Database	ICARDA Contacts Database
Developed by	ICARDA In house development (CODIS/CBSU) Mousa Tawaifi
Date of production	2004
Description	ICARDA Contacts Database is a system designed to capture the Contacts details (name address telephone...Etc.) of NARS and international cooperators
Programming Language / Platform	ASP, IIS, Windows Server
DBMS	Microsoft Access
Custodian	CODIS
Current size	6209

Name of Database	ICARDA Photolibrary
Developed by	Moyomola Bolarin, (CODIS)
Date of production	2003
Description	ICARDA photolibrary is a collection of over 25000 slide accessions stored in cabinets, and digital photos on CD-ROMs. This database now makes the images accessible and through the ICARDA intranet using internet browser searchable either by keywords, description, slide accession number and/or cabinet browsing.
Technologies / Platform	Smart Pix Manager, Smart Image Server, Windows Server
DBMS	Smart Image Server v2
Custodian	Moyomola Bolarin
Current size	25,000 image accessions: 4226 with searchable keywords and caption information.

Name of Database	ICARDA Training Database
Developed by	ICARDA In house development (HRDU/CBSU)- Mousa Tawaifi
Date of production	2003, 2005
Description	ICARDA Training database is a system designed to capture the

	training activities conducted by ICARDA, and this includes the capture of the training courses which include group, individual degree and individual non-degree courses and all its details (title, theme, category, classification...etc) and the trainees participating in these courses and all the different details of their accommodation, funding sources, organizations, etc. In addition to the information of all universities and organizations related to these courses and the details of ICARDA supervisors
Programming Language / Platform	JSP, Apache, Windows Server
DBMS	Oracle 9i
Custodian	Samir Ahmed, Laurice Abdul Majid, HRDU
Current size	7,000 records in 30 tables

Name of Database	NewGenLib
Developed by	Kesavan Institute of Information and Knowledge Management, and Verus Solutions Pvt., Ltd. India
Date of production	
Description	Full fledged content management software developed with libraries and information centers as the primary target. Allows for the management of all library functions, networking among different libraries, and a web interface for users to interact with the system. It makes all the library collection accessible through the ICARDA intranet and later on the Internet nay web browser. Users can search by keywords, subjects, titles, etc, view their circulation data, recommend new additions to the library collection, and access variety of external sources such as e-journals and RSS feeds.
Programming Language / Platform	Java, Apache server
DBMS	Postgressql
Custodian	Nihad Maliha (CODIS)
Current size	19800 records

Name of Database	PUBLST
Developed by	Nihad Maliha
Date of production	
Description	ICARDA Publications since 1977 - present
Programming Language / Platform	
DBMS	DB Text
Custodian	Nihad Maliha (CODIS)
Current size	3730 records

Name of Database	ICSER
Developed by	Nihad Maliha
Date of production	
Description	ICARDA Collection of Serials
Programming Language / Platform	
DBMS	CDS/ISIS
Custodian	Nihad Maliha (CODIS)
Current size	1578 records

Name of Database	Serve
Developed by	Nihad Maliha
Date of production	
Description	Manage all the library services and ILL requests.
Programming Language / Platform	
DBMS	CDS/ISIS
Custodian	Nihad Maliha CODIS
Current size	36205 records

Name of Database	Oracle Applications 11i
Developed by	Oracle Corporation
Date of production	2005
Description	Manage all the financial, purchasing, inventory, assets and human resources data
Programming Language / Platform	
DBMS	Oracle 9i
Custodian	Finance, Corporate Services
Current size	30 GB in 17800 tables

Name of Database	Payroll
Developed by	CBSU (Awad Awad, Malake Ballouz)
Date of production	2005
Description	Manage contract staff payroll
Programming Language / Platform	PLSQL, Forms
DBMS	Oracle 9i
Custodian	Finance, Personnel
Current size	500 MByte in 41 tables

Name of Database	Maintenance System
Developed by	CBSU (Mohy Eldin Ammouneh)
Date of production	2002
Description	Manage workshop maintenance requests
Programming Language / Platform	PLSQL, Forms
DBMS	Oracle 7
Custodian	Corporate Services
Current size	500 MBytes

Name of Database	Medical Insurance System
Developed by	CBSU (Mohy Eldin Ammouneh)
Date of production	1999
Description	Manage workshop maintenance requests
Programming Language / Platform	Oracle Forms, Reports
DBMS	Oracle 7
Custodian	Corporate Services
Current size	25 MBytes

Name of Database	Project Manager
Developed by	CIAT
Date of production	2005
Description	Manage special projects lifecycle information, including concept notes, activities, funding and donor information, progress reports, financial information, etc.
Programming Language / Platform	Java
DBMS	Oracle 9i
Custodian	Project Office
Current size	1.8 GB in 190 tables

Name of Database	Telephone Switchboard Database
Developed by	CBSU (Mousa Tawaifi)
Date of production	2004
Description	Tracks telephone calls for official, personal calls and cash calls, and produces billing reports
Programming Language / Platform	Visual Basic
DBMS	Access

Custodian	Corporate Services
Current size	74,039

Name of Database	International Employment Form
Developed by	ICARDA In house development (CBSU)
Date of production	2005
Description	Several web-based forms to collect data about international applicants and their professional experience then have this data hosted in Oracle Applications 11i
Programming Language / Platform	ASP.NET, C#, IIS, Windows Server
DBMS	Oracle 9i
Custodian	Personnel
Current size	283 records in 10 tables