



DataGolf

DATAGOLF Software

DATAGOLF – A case study

Luis M.Guedes

Fineware, Lda.

CONTACT: lmguedes@datagolf.pt



National Association – Identifying the Problems

Expensive and time-consuming support to the Clubs due to:

Different methods of operation

Different criteria used by the clubs

Little or none feedback from the Clubs:

No centralized information

No resources to control the clubs activity

Incorrect implementation of the EGA Handicap System by the Clubs leading to unfair handicap situations



National Association – Identifying the Needs

Establishment of common rules and standard methods of operation to all affiliated clubs

Full compliance with the EGA Handicap system

Quick and easy adaptation to new rules and regulations on the handicapping system

Respect for the Clubs autonomy and competence

Use of minimum resources to support the Clubs



National Association – Identifying the Needs (2)

Central Integration/Consolidation of the Clubs Data

Auditing and Control of the Clubs

Global Analysis - Statistical Information

Cross Data Information

Publishing the Information in Internet (handicap listings, classifications, statistical information, etc.)



DataGolf

Golf Clubs – Identifying the Problems

Clubs with few resources:

Human resources - Volunteers or not dedicated professionals

Limited Financial resources

Management of the Club (Membership) apart from the Handicaps management

Lack of automatic and simple procedures:

Large amount of time spending in the Club and Handicap Management

Different methods of operation leading to different criteria used

Lack of historical data



DataGolf

Golf Clubs – Identifying the Needs

Software easy to install and easy to use

No special HW/SW requirements

Reliable and robust software

Capable to work “offline” for the urgent tasks – competition management

Inclusion of all the tasks needed for the Club management



DataGolf

Golf Clubs – Identifying the Needs (2)

Help and assistance in the correct implementation of the EGA
system

Software preventing incorrect input

Automation of procedures (handicap calculations, CBA calculation,
handicap revisions, etc.)

Possibility of publishing all the relevant Club Information in the
Internet



DataGolf

Golf Software — Key Points (Clubs)

Simplicity

- Easy to install and easy to use

- No special HW/SW resources needed

- No special skills needed

- Reliable and Robust

Full Management

- Includes all Management tasks

 - (Handicaps, Competitions, Membership management)

Automatic procedures as:

- Handicap Calculation

- Handicaps updating (General Play, Annual Revision, etc.)



Golf Software —

Key Points (National Association)

Central Integration/Consolidation of all Information

Common and standardized Handicap tasks

Automatic Integration of information

Data Analysis and statistics

Auditing and Control of the Clubs

Publishing the National Association information in the Internet

Capability to improve in the future

A real asset for the Clubs and National Associations



DATAGOLF

DataGolf

Software developed by FINEWARE, Lda. under the direct supervision of FPG

First version in use since 2000

Official Software (mandatory) for all Clubs in Portugal since 2004

Installed in over 200 clubs and Event Organizers

Software used in National and International Competitions:

International Portuguese Amateur

Amateur European Championship (with additional Live Scoring Module)

Complete versions in Portuguese, Spanish and English

Easy translation to any other language

About 6.000 hours of development (including about 3 or 4 improvement releases each year)



DATAGOLF – International Software (1)

DataGolf

Official Software (mandatory) for all Clubs in:

- Portugal since 2004

*About 150 clubs and Event Organizers,
100 courses, 37.000 federated players*

- Cyprus since 2007

*About 16 clubs and Event Organizers,
15 courses, 3.500 federated players*

- Turkey since 2010

*About 21 clubs and Event Organizers,
28 courses, 3.000 federated players*

- Angola since 2011

*About 2 clubs and Event Organizers,
2 courses, 200 federated players*



DATAGOLF – International Software (2)

DataGolf

Official Software in:

- Spain (full implementation Jan, 1st 2014)

Over 600 Clubs and Event Organizers,

About 680 courses

About 340.000 active federated players (over 500.000 total)

- Several other countries very interested and with excellent prospect possibilities
- Very Easy and Quick to implement at any country



DataGolf

Pre-Requisites - Clubs

Hardware/Software:

PC with Windows (XP, VISTA, Win 7, Win 8)

ADSL/Cable Internet Connection

DATAGOLF (using MS-ACCESS Database) to:

Competitions Management

Membership Management

Capability to work “stand-alone” to manage competitions



DataGolf

Pre-Requisites – National Associations

Hardware/Software:

Windows Server (including IIS) with MS-SQL Server (database server)

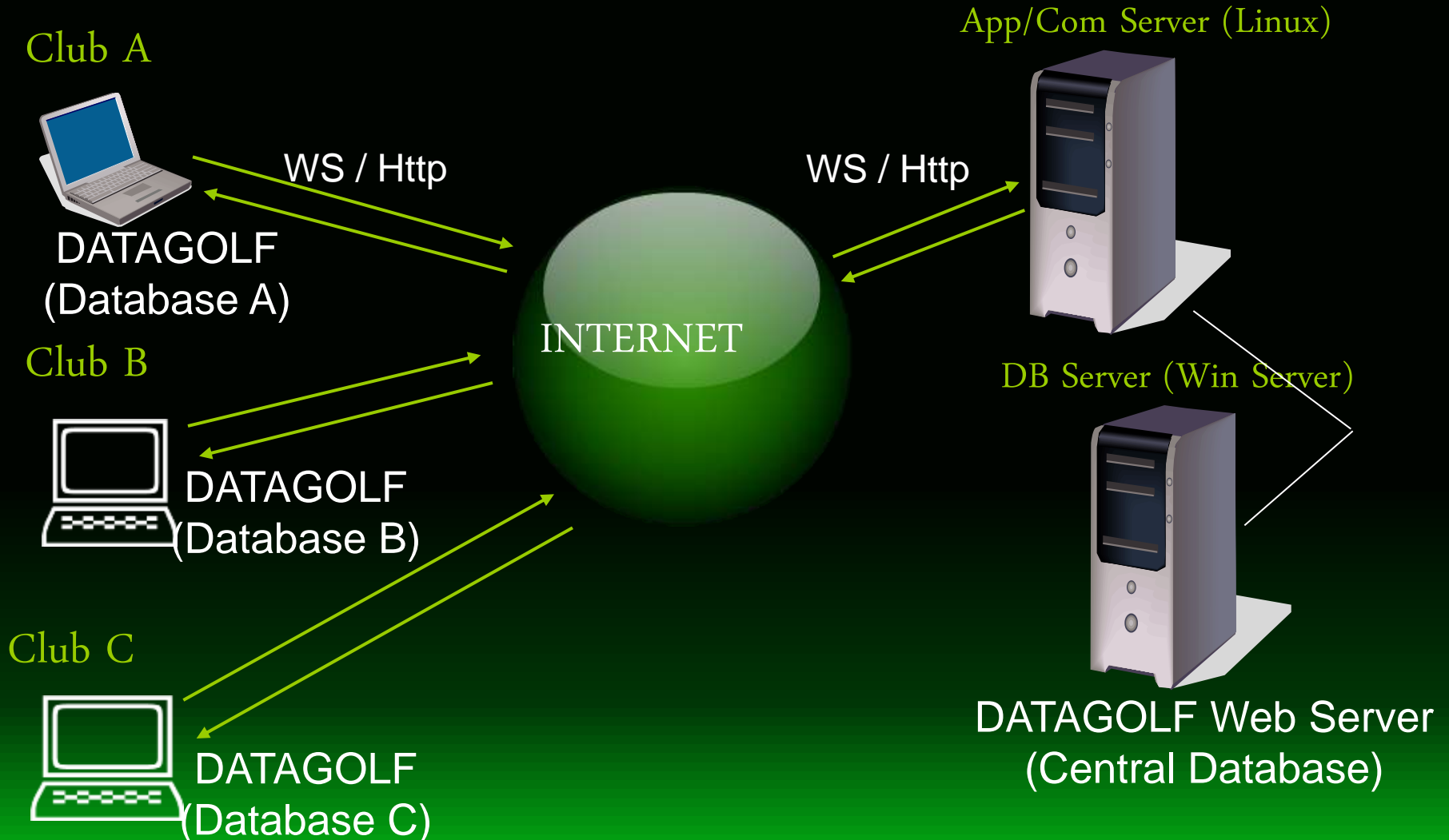
Linux Server (application server)

ADSL/Cable Internet Connection



DataGolf

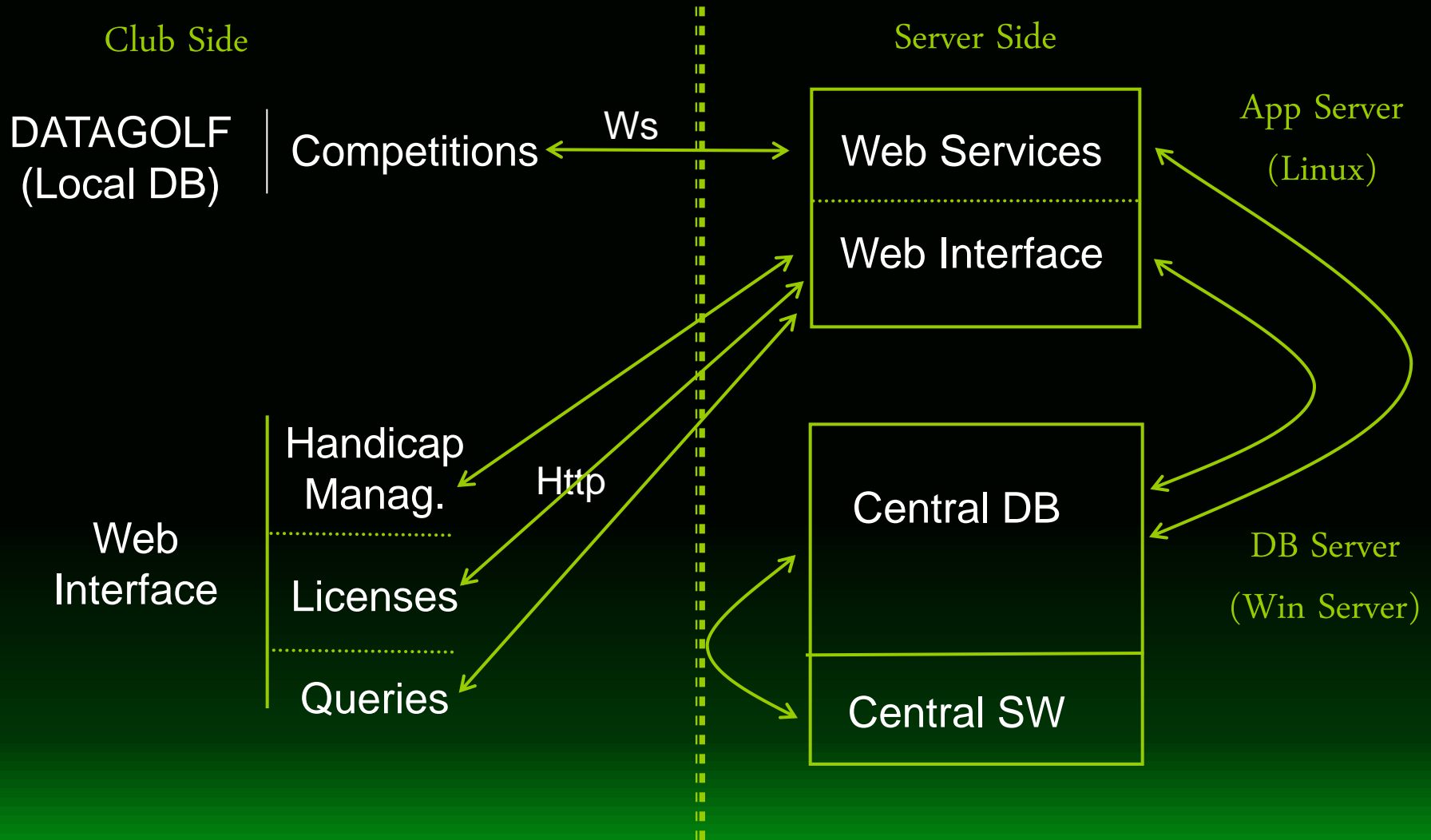
Communications Architecture





DataGolf

Communications Architecture (2)





DataGolf

Functionality Architecture

CLUB (Client)

DATAGOLF

Players, Competitions,
Membership Manag.

Web Interface

Handicap Manag, Federation
Licensing, Access to Information
(Club role)

DATAGOLF Links

Automatic inclusion of
Info in Club Web site

NATIONAL ASSOC. (Server)

HCP Central System

Handicapping tasks – CBA, HCP
Calculation, etc. Central Integration and
registration of Information

HCP Central Manager

Global Definitions – Courses, Clubs,
Federateds
Licenses Control – New licenses, Club
transfers, Annual Renewals

Web Interface

Handicap Manag, Fed. Licensing,
Access to Information (Global role)



DataGolf

Main Characteristics

Uniformity - Every Club uses the same software and same operational methods

Autonomy - Each Club uses its own local database, and is capable of working apart from the global system

Availability - The Centrally managed Information (Courses, Clubs, Federateds and their handicaps) is available at any time to the Clubs

Automation - The information generated by each Club (Competitions) is sent at any time to the server where handicap tasks are performed, players handicaps are updated and calculation information is returned to the Club (new handicaps, CBA, etc.)

Integration - All the information is integrated in the national central system



Some Benefits of the Central Integration

DataGolf

Access to and storing of all the Information

Central Auditing and Control (Handicaps, Competitions, National Association Membership)

Updated on-line Statistics and Data Analysis

Support to strategic decisions

Publishing Information to the National Association and Clubs

Web Sites



DataGolf

DATAGOLF Client – Main Club

Functions

Two Main Modules (both communicating with central data):

DATAGOLF (Windows Software)

- Competitions and Players Management
- Club Membership Management

Web Interface (any browser)

- Handicap management
- License Management (Requests of new licenses, Club Transfers, License renewals)

Easy Implementation and User-Friendly



DATAGOLF Client – Main Club Functions

Management of:

Datagolf Client (Windows)

Competitions (all types)

Club Membership

Web Interface (Internet browser)

Handicaps (Fully compliant with EGA System)

Annual Handicap Revisions

Extra-Day Scores and International Scores

Orders of Merit

National Association Membership



DATAGOLF – Membership Management

DataGolf

Complete Record of each Member:

Individual Data

Club Data

Results History (incl. all scorecards)

Payments Control

Personal Photo

Search/Export (to Excel) of the Members Data, using filtering
(definable criteria)



DATAGOLF – Competitions (Definitions)

Any type of Competition:

Medal Gross (Stroke Play), Medal Net, Stableford Gross, Stableford Net,
Bogey/PAR

Singles, Better-Ball, Canada Cup, Greensomes, Foursomes, Scramble

Pro-Am, Am-Am (Best, 2 or 3 better results)

Team Competitions: sum of the X better results by team

Simultaneous use of several types



DATAGOLF – Competitions (Other Definitions)

18 or 9 Holes Tournaments in pre-defined courses (distributed by the National Association) or in new courses (International)

Single or Multi Days Competitions

User Definable Criteria for ties

Admissions of Members or Non-Members (Guests) – direct access to the Central Server Information for validation

Individual Admission or Aggregation of several players (foursomes, greensomes, scramble)

Automatic calculation of the Playing Handicap

Automatic updating of changed handicaps



DataGolf

DATAGOLF – Competitions (Draws)

Automatic Draws by:

- Random

- Handicap Category (standard or definable)

- By classification order (regular or inverse)

- By change of half's (Morning-Afternoon 1-10)

Manual adjustment of the draw

Printing of:

- Labels

- Scorecards (with Pace of Play and Pin Positions)

- Draw listings (several formats)

Automatic publishing to the Internet



DATAGOLF – Competitions (Scores, Classifications, Statistics)

Easy input of scores (no mouse needed)

Instantaneous display of results by type (Stroke-Play, Medal Net, Stableford Net and Gross, Bogey/PAR)

Classifications “on-the-fly” by any type (day by day or aggregate), whatever is the definition of the competition.

Tournament Statistics (Hole by Hole, Front/Back, PAR 3, 4 and 5), Gross and Stableford Net

Listing of modified handicaps



DataGolf

DATAGOLF – Orders of Merit

Management of Orders of Merit (Annual or Season
Championships)

Definition by different points criteria:

Points table (definable)

Sum of Stableford or Gross Points

Ecletic

Automatic Calculation and Classifications



DataGolf

DATAGOLF – National Association

Membership

The Clubs register the payment of the licenses of their members

Control: only members with their licenses paid have their status as *Active*
(mandatory condition to have a valid handicap)

All the information is received and integrated in the Central Server

New Licenses and Home Club Transfers

Control and authorization by the National Association

Financial Benefits for the National Association



DATAGOLF – Handicap Management

DataGolf

Full compliance with the EGA System

Automatic update of Handicaps

Application of General Play depending or not of National Association authorization

Handicaps Annual Revision

CBA

Several Types of Handicaps: EGA, CONGU, Club, Lapsed, Lost, Suspended, Active/Inactive

Automatic control of lapsed and lost handicaps

Handicap Listings and Certificates

Manual handicap adjustments easily managed by Web Interface (Browser)



DataGolf

DATAGOLF – Automatic Handicap

Calculation

1. When finished, a press of a button in DATAGOLF allows the sending of all the competition round information to the server
2. The server validates the information, and, for handicapping rounds, performs the necessary handicapping tasks:
 - 2.1 Calculates CBA, when necessary
 - 2.2 Calculates and Update the handicaps of all National Players, returning that information to DATAGOLF
3. All the tournament, scores and handicaps informations are registered and kept in the server



DataGolf

DATAGOLF LINKS

Dynamic Access to the Information:

Using Active Server Pages (“online”)

No need of manual intervention

All the DATAGOLF information can be automatically included in a Website

Direct and automatic distribution to:

Nat. Assoc. Official Web Site: Affiliated Players, Handicap Listing, Competition Results

Nat. Association Control Web Site: All the information (Handicaps, Results, Statistics)

Club's Web Sites: All the information of each Club using links in the Web Sites



DataGolf

DATAGOLF – Additional Modules

DATAGOLF WEB – Set of Links that permits the integration of DATAGOLF Information in a Web Site

DATAGOLF Display – TV Display of the results of a competition, as they are being registered

DATAGOLF Leaderboard –Live Scoring for the Internet



DataGolf

DATAGOLF

10 Implementation Steps

- 1-Full Commitment by UGF and all National Clubs to start working with DATAGOLF
- 2-Nomination of UGF's DATAGOLF responsible people
- 3-Definition of UGF particularities (EGA HCP System, No.EDS, National Fees)
- 4-Creation of UGF's DATAGOLF Setup
- 5-Installation and Configuration of UGF Central Server



DataGolf

DATAGOLF

10 Implementation Steps

6-Definition of National Courses Tables and National Clubs Tables

7-Training of UGF Clubs (and UGF staff)

8-Training of UGF Staff concerning central tasks and Club support

9-Importing of Member's data for each Club

(Excel File) with creation of unique Federation Number for each Federated
Player

10-Clubs start working with DATAGOLF

(Expected Time: 1 month)