



The solution for swimming-pool sports

1. Preface

The quantity and variability of the data connected to a Sports Club makes them difficult to manage; if they are multiplied by all the Sports Clubs of a Regional Committee or a National Federation, making such data readable, analyzable and compatible is a daunting challenge.

NIAGARA transforms this challenge into an organizational and informational advantage.

The Internet technology, used as a connecting platform, together with the application

NIAGARA, offer an easy and low-cost solution to access the information, add to it and make it available to the Web Clients.

NIAGARA was created with the aim to satisfy the following needs:

1. Being a single instrument **ACCESSIBLE TO EVERYBODY AND EVERYWHERE**, constantly updated and supported, with due care to the privacy and security of data and accesses
2. Combining several functions: **Administration - Management - Sporting**
3. Managing the specific data of Athletes and Clubs of the Regional Committee and of the National Federation
4. Creating and managing official and unofficial sports events
5. Managing the entries of the athletes remotely and in real time
6. Publishing the data of the Events, the sports results of the Athletes and images of the event on the portal of the regional Committee
7. Making the activities of the Athletes (both champions and beginners), Trainers and Regional Committee more visible



2. Structure

NIAGARA structure is made of connected modules, therefore one can start with the base module that deals with all administrative and management matters and add other modules at the same time or at any later time when needed:

→ **NIAGARA MODULO BASE (BASE MODULE)**

→ **NIAGARA CRONO**

→ **NIAGARA MASTER**

→ **NIAGARA SPEAKER**

→ **NIAGARA FORMAZIONE (TRAINING)**

→ **NIAGARA WAP**



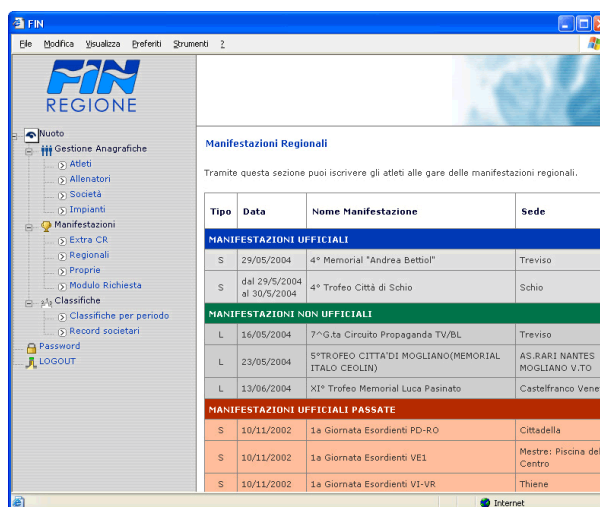
3. Functions

3.1 - NIAGARA MODULO BASE (BASE MODULE)

The NIAGARA MODULO BASE (BASE MODULE) is the driving core of the application. It manages the different sports, clubs, athletes and events, and includes the following functions:



- Management of the specific and introductory data of each sports club affiliated to the Federation, the data may be enriched with images; this can be managed directly by the club itself.
- Management of specific data of athletes and trainers, the latter are assigned the athletes they train; the expiry dates of medical certifications, data on sports events, data on each sport and pictures are supplied automatically etc.
- Automatic recalculation, with a specific function, of the category each athlete belongs to, at the beginning of each new agonistic year.
- Generation and configuration of an official, unofficial, master, absolute (and other types of) event, with management of limit times, Wild Cards, race taxes and closing date for on-line entries.
- On-line entry of the athletes of all authorized clubs, from any location, thanks to the identification by Identification code and Password. The club can cancel any entered athlete or enter new ones up to the date of closing.
- Supply, after the closing of entries, the program and timetable of the races, the times are calculated on the base of the times entered by the athletes; it prepares the list for the roll-call at the side of the swimming pools and recalculates the start lists on the actual presents, it also calculates for each club the race taxes and supplies a summary report of all taxes for the committee.



Manifestazioni Regionali

Tramite questa sezione puoi iscrivere gli atleti alle gare delle manifestazioni regionali.

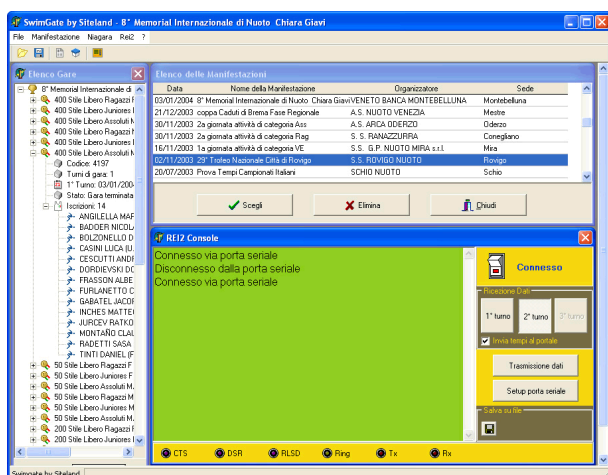
Tipo	Data	Nome Manifestazione	Sede
MANIFESTAZIONI UFFICIALI			
S	29/05/2004	4° Memorial "Andrea Bettiol"	Treviso
S	dal 29/5/2004 al 30/5/2004	4° Trofeo Città di Schio	Schio
MANIFESTAZIONI NON UFFICIALI			
L	16/05/2004	7^G.ta Circuito Propaganda TV/BL	Treviso
L	23/05/2004	5^TROPFEO CITTADI MOGLIANO(MEMORIAL ITALO CEOLIN)	AS.RARI NANTES MOGLIANO V.TO
L	13/06/2004	XI° Trofeo Memorial Luca Pesinato	Castelfranco Veneto
MANIFESTAZIONI UFFICIALI PASSATE			
S	10/11/2002	1a Giornata Esordienti PD-RO	Cittadella
S	10/11/2002	1a Giornata Esordienti VE1	Mestre: Piscina del Centro
S	10/11/2002	1a Giornata Esordienti VI-VR	Thiene

- Generation of list of the placing list or of the semifinal of final rounds, entry of the times, after they have been validated by the umpires. It publishes automatically the final results (placings) and updates the specific data of each athlete.
- Automatic production of all the paperwork required to manage the event and many statistical reports on the performance of the athletes, by periods, styles, categories, etc.

3.2 - NIAGARA CRONO

NIAGARA CRONO is the module connecting the automatic timing to the portal:

- Timekeepers are allowed to retrieve from the portal all the data of the event, race by race, and update the timer (e.g.: REI2 Microgate) with the data to manage the races and publish the results with the names of the athletes on the notice boards.



- The results may be entered in real time while the event takes place and be published directly on the portal, as preliminary data.
- The results may be made official after the validation or modification on-line by the umpires, and the specific data of the athletes may be updated, including the intermediate results of each, also automatically.

3.3 - NIAGARA MASTER

NIAGARA MASTER is the module for managing the preliminary roll-call at the side of the pool:

- The organizer of the event may, after closing of the entries and before the roll-call, retrieve from the portal the event race by race and manage the event without being connected to the Internet.
- The athletes may be roll-called at the side of the pool, absents notified and the rounds produced automatically in accordance with the features of the swimming pools.
- All paper forms are produced for umpires and timekeepers to enter the results.



- It is interfaced directly with NIAGARA CRONO to manage the event and automatically update the timer results on the portal.

3.4 - NIAGARA SPEAKER

NIAGARA SPEAKER is the module for real-time comments and press, so that the sports commentator may:

- Have, in addition to the program of the races, the details of each round (heat) and the historical data of each athlete taking part to the event.
- Be updated in real time, with the results of the competitions in progress and the intermediate results.
- Have the preliminary and validated results for each competition.



3.5 - NIAGARA FORMAZIONE

NIAGARA FORMAZIONE (TRAINING) is the module supporting the RESCUE and Technical Training activities, and includes the following functions:

- Publishing of the calendar of the available courses, sorted by qualification, delegate and territory.
- On-line entry to the courses published on the portal.
- Support for the trainer in managing the course by supplying the documents required for planning.
- Checking of the payment of the course fee and of the federal tax and checking of the submittal of the required documents.
- Automatic generation of the nominal certificates for the qualified students and publication of the list of the qualified students after authorization.



3.6 - NIAGARA WAP

NIAGARA WAP is the module supplying information to cell phones:

- Information and results can be accessed by cell phones.
- The results of a swimming event may be read race by race, both past races and current ones, the result of the races can be read as soon as they are finished.
- The results and placings of water polo championships can be accessed through a cell phone.



4. Conclusions

This very new application, continually developed and implemented, makes it possible to manage in a more organized way the complex sports world and also ensures a significant saving of resources both economic and human ones, so that many people are free to deal with more interesting activities.

The great champion and the beginning athlete are rewarded by the publication of their results on the Internet.

For additional information see www.niagara.siteland.it where an on-line demo is available, you can also contact us directly at:

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