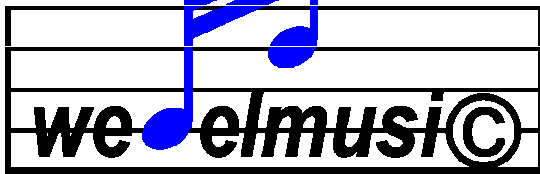


# WEB DELIVERING of MUSIC



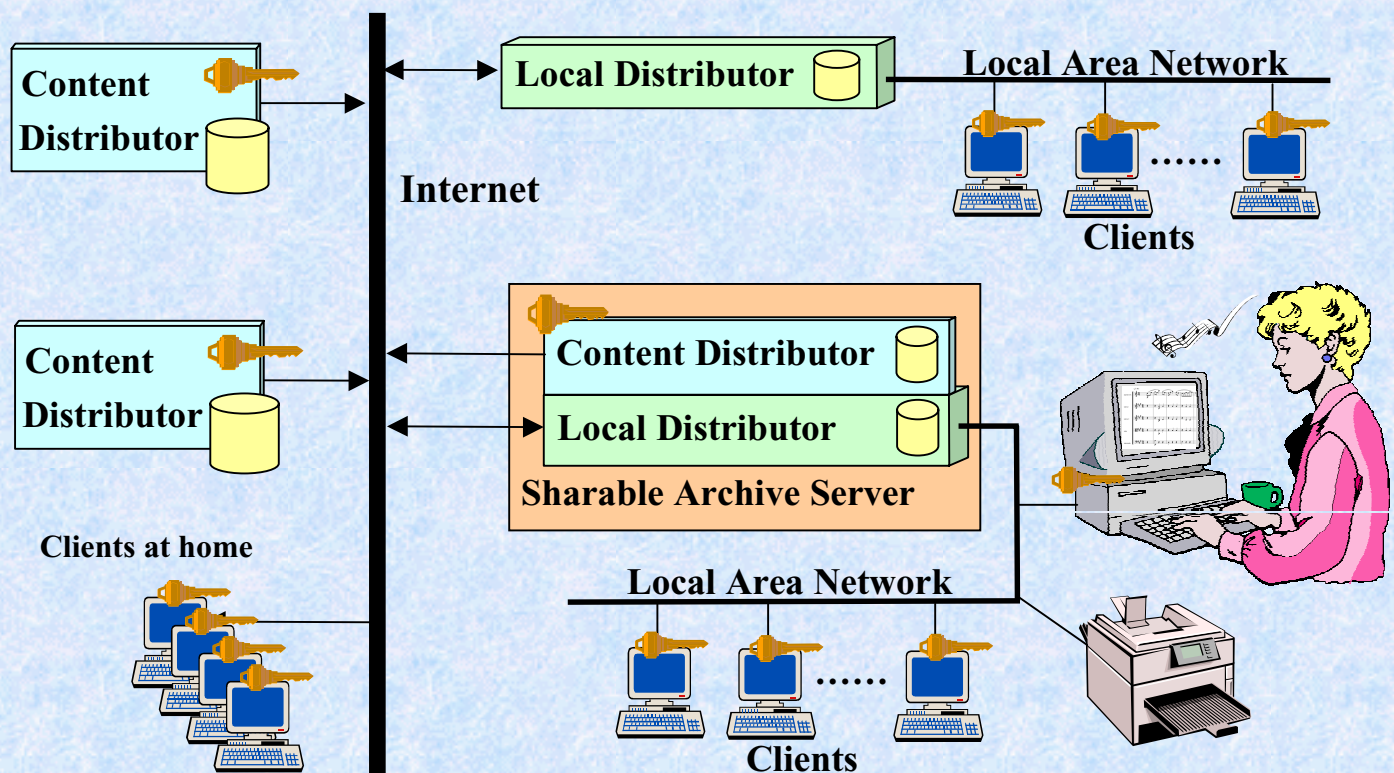
<http://www.wedelmusic.org>

WEDELMUSIC is an innovative idea to allow the distribution and share interactive multimedia music via Internet totally respecting the publisher rights and protecting them from copyright violation.



WEDELMUSIC allows content distributor (**publishers, archives, etc.**), corporate consumers (**theatres, orchestras, music schools, libraries, music shops**), and users (**students, musicians, etc.**) to manage interactive multimedia music in WEDELMUSIC XML format. WEDELMUSIC objects can be manipulated: arranged, transposed, modified, reformatted, printed, etc., respecting copyright and integrates several aspects of music: audio, scores, video, documents, images, animations, synchronizations, etc. They are innovative tools and services for preparing performances, sharing content, studying music, analyzing music, learning instruments, distributing music at low cost, etc. These innovative features are possible thanks to the **WEDELMUSIC XML Format**, reliable mechanisms for protecting multimedia content and **Digital Right Management**, a set of tools for building, converting, storing, distributing music on the Internet also using multimedia content in several formats: FINALE, SCORE, SIBELIUS, PDF, MSWORD, HTML, FLASH, PS, WAVE, MP3, TIF, GIF, PCX, BMP, TXT, ASC, AVI, MPEG, MOV, QT, PPT, XLS, JPG, PNG, and many many other formats, (most of these are trademarks of their respective companies).

**Any content, any where under WEDELMUSIC Digital Right Management and control**



**Project Partners:** Dipartimento di Sistemi e Informatica, DSI, University of Florence, Italy; ARTEC Group G.E.I.E., Belgium; Casa Ricordi, BMG Ricordi, Italy; Federative van Nederlandse Blindenbibliotheken, FNB, The Netherlands; Fondazione Scuola di Musica di Fiesole, Italy; Institut de Recherche et de Coordination Acoustique-Musique, IRCAM, France; Fraunhofer Institute for Computer Graphics, FHG-IGD, Germany; Institute for Language and Speech Processing, ILSP, Greece; Edizioni Suvini Zerboni, Italy.



**CASA RICORDI**  
Casa fondata nel 1808



Institut  
Graphische  
Datenverarbeitung



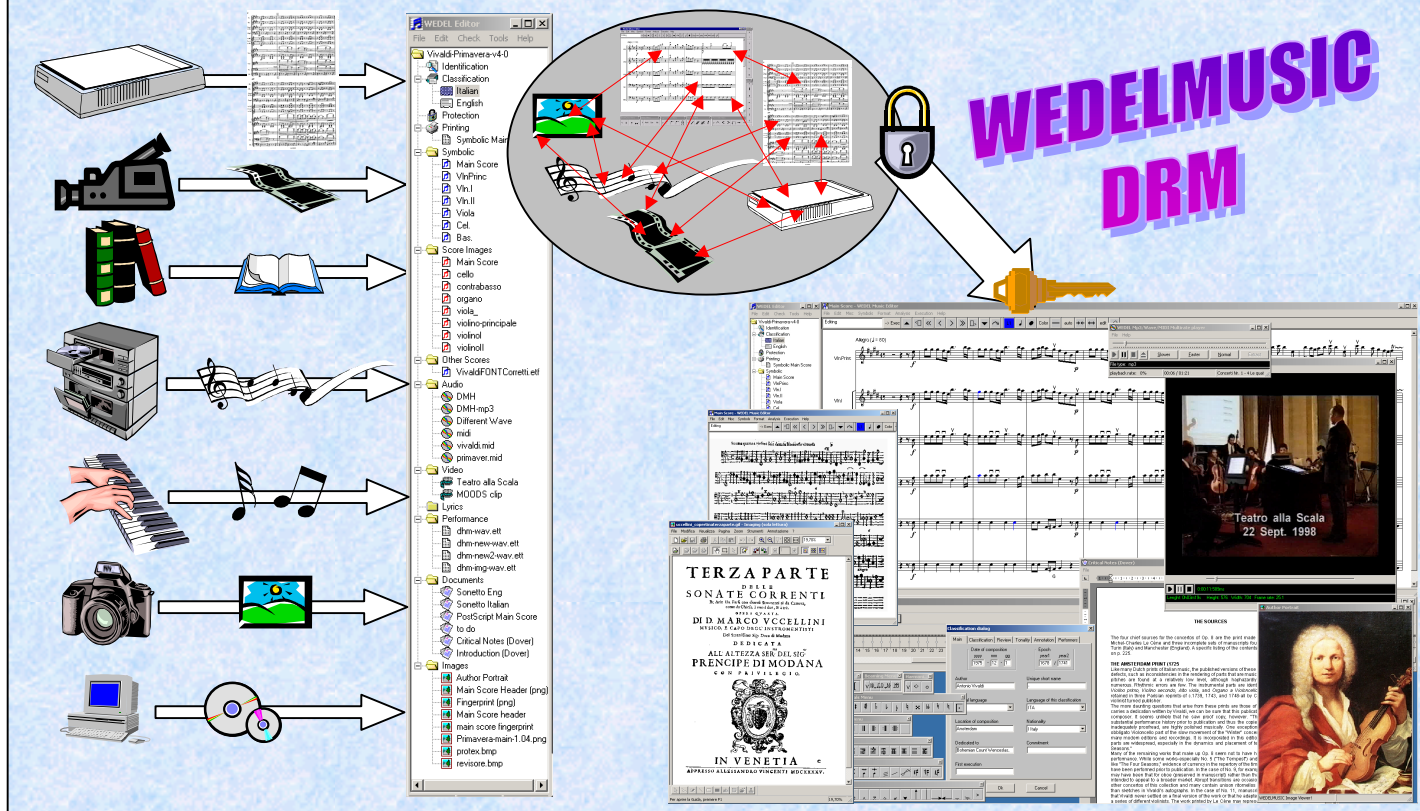
*Edizioni Suvini Zerboni*



# From traditional to WEDELMUSIC

**WEDELMUSIC is an integrated solution based on the following components:**

- **WEDELMUSIC XML Model** for distributing **interactive multimedia music**. The model includes any digital format in an integrated manner, respecting copyright protection aspects and the owner rights.
- **WEDELMUSIC Servers/Content Distributor** to deliver WEDELMUSIC objects under Digital Right Management Control, fast retrieval of any component, statistical analysis of content usage.
- **WEDELMUSIC Local Distributors** for locally storing and re-distributing WEDELMUSIC objects, suitable for **music shops, archives, music schools, conservatories, libraries**, etc., support for data base queering on the base of cataloguing and content (melody) aspects. The proper tool for distributing music on the license of the publishers and at no costs of storage. You will pay what you sale.
- **WEDELMUSIC Digital Right Management:** Secure transaction between Servers and Local Distributors, and from these to Clients; certification of clients, encryption support, watermarking support for audio e music sheets in images and when they are printed on the client printer.
- **WEDELMUSIC Editors and Viewers for:**
  - **Building and using multimedia music:** music editor, image score editor, document viewer, audio player, video player, image viewer, sliding show, animation, synchronization, watermark,
  - **Music Editor** with: up to 12 voices, 540 different music notation symbols plus custom symbols, from classical notation to tablatures and percussions, automatic formatting of music notation, synchronization of music notation with real audio, MIDI support, print music, multilingual lyric, hyperlink on music notation, music analysis support, piano reduction, transpositions, Braille Music, Spoken Music, etc.
  - **Viewing** music scores (from symbolic or image score format) and at the same time **listening** to any related audio files chosen, **controlling velocity** for learning and studying music pieces; **automating the page turning, play along** functionalities, etc.;
  - **Converting music** from FINALE, SIBELIUS, MIDI, etc. to WEDELMUSIC XML format, including in WEDELMUSIC objects any music notation and multimedia content file.



For further information on WEDELMUSIC conference, mailing list, demos use [WEDELMUSIC@dsi.unifi.it](mailto:WEDELMUSIC@dsi.unifi.it)  
To make **WEDELMUSIC compliant** software a WEDEL Tool Kit is available as well as the WEDELMUSIC editor on [WWW.WEDELMUSIC.ORG](http://WWW.WEDELMUSIC.ORG).

**Contact person: Prof. Paolo Nesi**  
Dept. of Systems and Informatics, University of Florence  
Tel: +39-055-4796523, Fax: +39-055-4796363  
Via S. Marta 3, 50139 Firenze, Italy  
[nesi@dsi.unifi.it](mailto:nesi@dsi.unifi.it), <http://www.dsi.unifi.it/~nesi/>