

R.I.C.E.R.C.A.



Semantics for the exploration of historical Business Archives

Challenges and Perspectives in the R.I.C.E.R.C.A. project

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Summary

❑ Project R.I.C.E.R.C.A.

“Risorse Industriali Culturali: Estrazione e Raccolta dei Contenuti per Accessibilità”. Regional project funded by European Commission 2013-2015

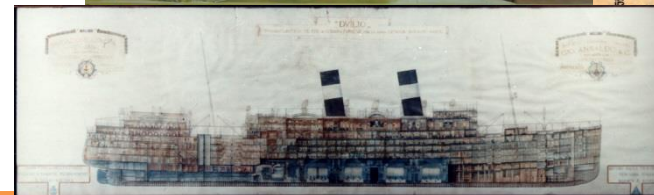
❑ Objective

❑ Business Archives of Ansaldo Foundation

❑ Challenges

❑ Approach

❑ Expected outcomes





Objective

To improve cataloguing, accessing and searching in Ansaldo Foundation's Historical Business Archives

- Define archive management model

Resources preservation

Resource access

Marketing policy

- Design a multimedia web platform for archives exploration
- Make resources available and easily accessible for heterogeneous users with different targets

Historical Business Archives



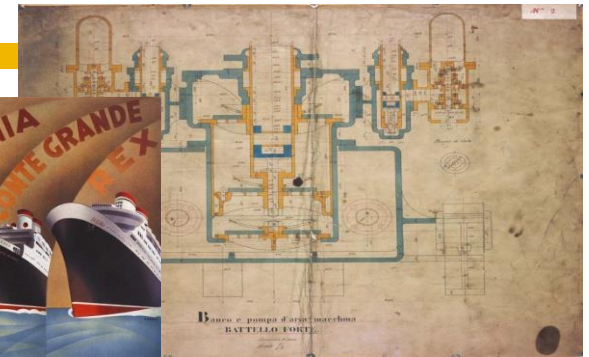
MISSION

- Management of “Documentation produced or acquired by a creator (corporate bodies, families, persons) during the development of its activity, destined to permanent preservation to ensure public consultation”

STRENGTHS

- Witness the economic-social history of a country and represent valued sources for historical research related to industrial-labour issues
- Play a very important role for corporate marketing, strengthening company public image and economic growth

Business Archives Management



- Particular methods/tools to manage archives in each phase of its life cycle
- Appropriate methods/tools to preserve/restore different media types
- Appropriate metadata profile to describe different document types
- Archival-historical analysis and contextualization of archive contents/data
- Refer to company communication policies/copyright/trade secret
- Refer to national legislation about management/access the archives
- Refer to national legislation about consultability right/privacy protection
- Refer to national legislation about archive property/custody



Ansaldo Foundation



❑ FONDAZIONE ANSALDO

- Territorial Economic Institution with archival holdings specialized in Historical Business archive management

❑ MISSION

- Collection, preservation and enhancement of Historical Business Archives concerning industrial-economical activities in Liguria region and promotion of research on business-labour history

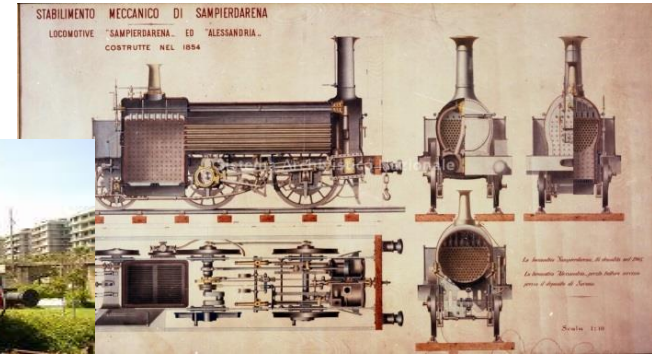
❑ HISTORY

- Founded in 1980 as Archivio Storico Ansaldo, in 2000 became Ansaldo Foundation and in 2007 Ansaldo Foundation - Finmeccanica Group

❑ PARTNERSHIP



Archival Heritage



❑ ARCHIVAL HOLDINGS

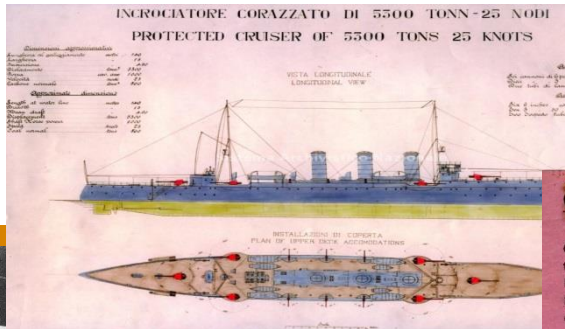
- Archive set produced by industrial-economic subjects of Genova and Liguria in XIX-XX century, characterized by a high heterogeneity level of document's typologies and media types

❑ ARCHIVAL HERITAGE

- Assets estimated at over 15 km. of archival documentation, 400.000 original photos, 5000 original movies, 10 interviews and audio-video collections, 6 industrial vintage artefacts collections, a Library specialized in industrial-economic issues and an original photographic laboratory

❑ HEADQUARTERS

- Inserted in Genoa XIX century industrial archaeology area



Paper



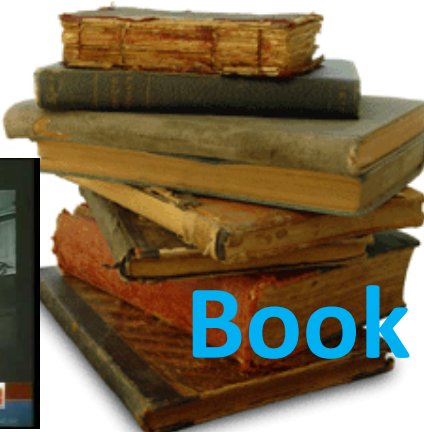
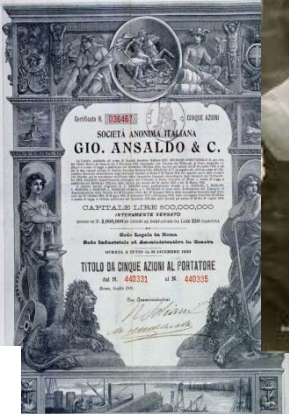
Photo



Compagni Lavoratori!
Sabato sera alle ore 20,30 nell'atrio della Casa del Popolo (già Palazzo d'Istruzione) sarà tenuto un grande Comizio di Protesta contro la Repubblica del Dollaro che il 1° Novembre vorrà berlo assassinare i due nostri Compagni SAC e VANZETTI. - Parleranno oratori di tutti i paesi sulla Lotta di Classe.
Partito Comunista d'Italia - Partito Socialista Italiano - Federazione Giovanile Comunista - Unione Ansaldo Liguria - Camera del Lavoro Confed. - Camera del Lavoro Sindacato
Per entrare al Comizio occorre presentare la tessera di un compagno.



Movie



Book



Industrial Artifacts



Photographic exhibition



scatti di industria
160 anni di immagini dalla Fototeca Ansaldo

Palazzo Ducale Genova
29 Ottobre - 30 Novembre
Inizi 14-15 - martedì domenica 10-19

Ingresso libero

 **Fondazione Ansaldo**
Genova
Fondazione per la Cultura
Dante

Fondazione Ansaldo

28 October-30 November 2013

www.fondazioneansaldo.it

Genova

KNOWLEDGE SHARING AND DATA SEARCH

- Users with different cultural background and skill levels



wide range of end-users
professional users (historian, archivist)
common users (architect, engineer, company employee, student, etc.)

- Multicultural/Multilingual issue
- Huge amount of archival heterogeneous data

huge amount of documents
archival structure complexity
heterogeneous documents and media types
content and knowledge to extract and contextualize

- Standard Metadata profile for archival description is insufficient to provide the complexity of the archive contents and needs to be enriched



Metadata schema

□ INTEGRATED USE OF

- International standard for archival description ISAD(G), ISAAR(CPF), ISDIAH to describe Archive at Fond Level, Creator and Institution with archival holdings
- DCMI-Dublin Core Metadata Element Set to describe at Item level the digital resources associated to each document

□ PURPOSE

- Provide detailed archive description and digital resources to ensure archive identification and its content description



Approach

SEMANTICS EXPLOITATION

- Enhance the semantic description level of the archival resources, improving standard metadata by:

extending metadata profile

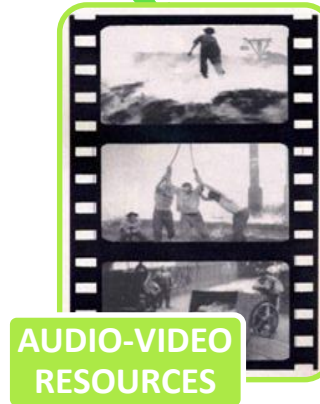
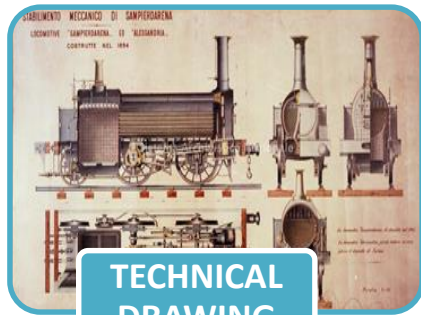
use of ontology to explicitly relate concepts about resources

use of controlled and multilingual vocabularies for compiling and searching metadata

- Improve archive access and information searching by:

use of semantic visualization to provide user friendly archives navigation

Semantics exploitation



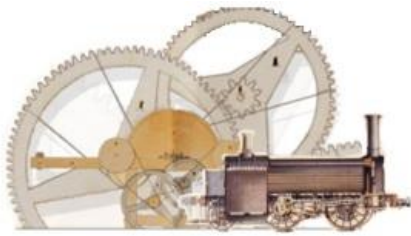
STEAM LOCOMOTIVE
"SAMPIERDARENA" ANSALDO



Expected results

A flexible archive web platform able to exploit semantics for information search, browsing and retrieval

- Intuitive and interactive visualization of the semantic relationship between archival resources
- Thematic paths for multimedia resources exploration tailored for diverse user profiles



R.I.C.E.R.C.A

THANKS!

<http://ricerca.ge.imati.cnr.it>



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