



# Marco Cremaschi,

PH.D

## Research Assistant

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Website  
[cremarco.bitbucket.org](https://cremarco.bitbucket.org)

Phone  
(+39) 366 41 68 368

Address  
Milan, Italy

### Socials

LinkedIn  
[marco-cremaschi](#)

Github  
[cremarco](#)

### Languages

Italian  
Native

English  
Professional working

## Research

### Research Profile

I am a **research assistant** at the **University of Milan-Bicocca**, Department of Informatics, Systems, and Communication (DISCo) in Italy. I hold a PhD in Computer Science from the University of Milano-Bicocca (2020). During my PhD, I spent six months at Bielefeld University (Germany) as part of the Semantic Computing Group in 2019. Prior to that, I earned both a Bachelor's and a Master's degree in Computer Science at the University of Milano-Bicocca.

My research expertise includes knowledge graph construction, data enrichment, and, more recently, the application of artificial intelligence techniques for developing clinical decision support systems and predictive models in mental health.

Over the years, I have actively contributed to the Semantic Web and AI communities by publishing scientific papers in reputable conferences and journals. My engagement in the academic community extends to serving on the program committee of several top-tier international conferences, where I have taken on roles as chair and reviewer.

### Research Interest

Semantic Web, Knowledge Graphs, Semantic Table Interpretation, Mental Health, Clinical Decision Support Systems, Disease Risk Prediction Models, Early Disease Detection Systems

377 citations  
12 h-index  
16 i10-index

Google Scholar

8 citations  
Scopus

## Academic experiences

University of Milan-Bicocca

[Link](#) Feb 2025 – Gen 2026

Milan, Italy

### Research Assistant

Holder of a research grant (assegno di ricerca B) on the topic "Design and development of an Artificial Intelligence/Machine Learning model for creating a decision support system in the psychological/psychiatric field", SSD INF/01. Department of Informatics, Systems and Communication.

University of Milan-Bicocca

[Link](#) Gen 2022 – Gen 2025

Milan, Italy

### Assistant Professor (RTD/A)

Holder of a research grant (RTD/A) on the topic "Semantic and AI technologies for early digital intervention in psychiatric services," SSD INF/01, funded by the Italian Ministero dell'Università e della Ricerca through the European project D.M. 1062/2021 – Piano Operativo Nazionale - PON "Ricerca e Innovazione" 2014– 2020 Asse IV, azioni IV.4 "Dottorati e contratti di ricerca sulle tematiche dell'innovazione". Department of Informatics, Systems and Communication.

University of Milan-Bicocca

[Link](#) Feb 2021 – Gen 2022

Milan, Italy

### Research Assistant

Holder of a research grant (assegno di ricerca B) on the topic "Analysis and semantic annotation of data related to the nutritional components of food", SSD ING/INF-05. Department of Informatics, Systems and Communication.

University of Milan-Bicocca

[Link](#) Feb 2020 – Gen 2021

Milan, Italy

### Research Assistant

Holder of a research grant (assegno di ricerca) on the topic "Analysis and semantic annotation of data related to the nutritional components of food", SSD ING/INF-05. Department of Informatics, Systems and Communication.



University of Milan-Bicocca

#### Research Assistant

Holder of a research grant (assegno di ricerca B) on the topic "Definition and implementation of the UniData center's data architecture", SSD ING/INF-05.  
Department of Informatics, Systems and Communication.

[Link](#)

Nov 2015 – Oct 2016

Milan, Italy



University of Milan-Bicocca

#### Research Assistant

Holder of a research grant (assegno di ricerca B) on the topic "Development of software components for the efficient implementation of semantic technologies for extracting, processing, and utilising information on the web. Access to web services through mobile channels", SSD ING/INF-05.  
Department of Informatics, Systems and Communication.

[Link](#)

Sep 2014 – Ago 2015

Milan, Italy



University of Milan-Bicocca

#### Research fellow

Holder of a study and research grant (borsa di studio e di ricerca) on the topic "Development Methodologies for Value-Added Services in Agriculture", SSD ING-INF/09.  
Department of Informatics, Systems and Communication.

[Link](#)

Feb 2011 – Gen 2012

Milan, Italy



University of Milan-Bicocca

#### Collaborator

2007 – 2008

Milan, Italy

## • Academic experiences

### Research contracts at foreign institutes



Sofia University "St. Kliment Ohridski"

[Link](#)

Apr 2022 – Mar 2024

Sofia, Bulgaria

#### Researcher

Holder of a research contract on the topic "Building competence in data enrichment for artificial intelligence," financed by the Bulgarian Ministry of Education and Science, as part of the implementation of the national program "European Science Network." Big Data for Smart Society Institute.



Sofia University "St. Kliment Ohridski"

[Link](#)

Jul 2021 – Mar 2022

Sofia, Bulgaria

#### Researcher

Holder of a research contract on the topic "Building competence in data enrichment for artificial intelligence," financed by the Bulgarian Ministry of Education and Science, as part of the implementation of the national program "European Science Network." Big Data for Smart Society Institute.



Bielefeld University

Nov 2018 – Apr 2019

Bielefeld, Germany

#### Researcher

Research internship abroad through the Erasmus+ Traineeship program.  
Semantic Computing Group.

## • Research and technology transfer



Aton Informatica s.r.l.

[Link](#)

2023

Rome, Italy

#### Consultant

Scientific support for the MAPS-EH project (Monitoring the Implementation of Security Policies in the E-Health sector), funded by the Cyber 4.0 Competence Center of the Italian Ministry of Enterprises and Made in Italy.



Nana Bianca/Instal srl

Apr 2020 – May 2020

Milan, Italy

#### Consultant

Definition of a software architecture based on LSTM algorithms for the lexicalization of RDF data.



Umbria Digitale S.c. a r.l.

2015–2016

Perugia, Italy

#### Consultant

Scientific support for the development of components for the publication of Open Data.

## • Entrepreneurial initiatives



Whattaspot srl *innovative start-up*

**CEO, Co-funder**

Innovative start-up specialising in the development of cutting-edge applications for the sports industry.

Gen 2014 – Oct 2016

📍 Bergamo, Italy



NPCrew srl

**CTO, Co-funder**

Company specialising in web development, communication, and event organization.

2012 – 2014

📍 Bergamo, Italy

## • Company experiences



Aton Informatica srl *R&D unit*

Gen 2015 – Present

📍 Rome, Italy

**PM, Grant Writer**

Providing consultancy in R&D project management, grant writing, and strategic planning, supporting organisations in securing funding, coordinating research initiatives, and fostering partnerships with academic and industrial stakeholders.



Instal srl

Sep 2017 – Mar 2018

📍 Florence, Italy

**Consultant**

Advised on mobile advertising solutions by optimising ad delivery software, enhancing performance tracking, and implementing innovative monetisation strategies.



Mobile Avenue Solutions LLC

Jan 2017 – Aug 2017

📍 New York, USA

**Consultant**

Advised on mobile advertising solutions by optimising ad delivery software, enhancing performance tracking, and implementing innovative monetisation strategies.



Future Space spa

Jul 2012 – Dec 2012

📍 Rome, Italy

**Developer**

Designed, developed, and optimised backend systems, improving database efficiency and overall software performance.

## • Education



**Thesis Title:**

Enabling tabular data understanding by human and machines through semantic interpretation – <https://hdl.handle.net/10281/263555>

Nov 2016 – Oct 2019

**International Experience:**

Bielefeld University, Germany

**Courses:**

- Writing of Scientific papers
- Big Data Technologies
- Privacy and processing of personal data. Technical and legal aspects
- Knowledge Graphs and Semantic Data Management: Models, Techniques and Applications
- Internet of Things: a service-oriented perspective

**Summer Schools:**

Advances in Collective Intelligence: Crowds, Big-Data and Community Resilience – Como, Italy, Sep 18 – 22, 2017  
2nd International Summer School on Deep Learning 2018 – Genova, Italy, July 23 – 27, 2018



**M.Sc. in Computer Science, magna cum laude**

Oct 2007 – Sep 2010

**Thesis Title:** Framework di supporto alla pianificazione di servizi basato su un approccio multi-paradigma



**B.Sc. in Computer Science**

Oct 2002 – Oct 2007

**Thesis Title:** Progettazione e realizzazione di una applicazione web per la gestione di un indirizzario dipartimentale

## • Teaching in PhD courses



University of Milan-Bicocca  
PhD in Computer Science

- Introduction to Knowledge Graphs 20 hours  
PhD in Intangible Heritage in Socio-Cultural Innovation  
Digital Futures for Intangible Heritage 8/4 hours

Professor

2024 - 2025

Professor

2022 - current

## • Teaching



University of Milan-Bicocca

MD Communication Theory and Technology

- Visual Communication and Interface Design 40/21 hours  
Visual Communication Laboratory 48 hours  
Technologies and Applications of Distributed Systems 24/36/18 hours  
Service Science 20 hours  
Information Systems 16 hours  
MD Data Science  
Data Visualisation 20 hours  
MD Computer Science  
Data Architecture 16 hours  
BD Computer Science  
Databases 20 hours  
Distributed Systems

Professor

2019 - current

Professor

2019 - 2020

Teaching Assistant

2019 - 2020

Teaching Assistant

2016 - 2018

Teaching Assistant

2015 - 2016

Professor

2023 - 2024

Professor

2021 - 2023

Teaching Assistant

2021 - current

Teaching Assistant

2012 - 2013



Università Cattolica del Sacro Cuore

MD Linguistic Computing

- Data Structures and Database Systems 45 hours

Professor

2023 - current



University of Bergamo

Postgraduate School of Health Psychology

- Health Engineering for Health Promotion 18 hours

Professor

2024 - current

## • Thesis supervisor

38

Computer  
Science@UNIMIB

Bachelor's thesis

13

Computer  
Science@UNIMIB

59

Communication  
Theory and Technology@UNIMIB

4

Data  
science@UNIMIB

1

Linguistic  
Computing@UNICATT

Master's thesis

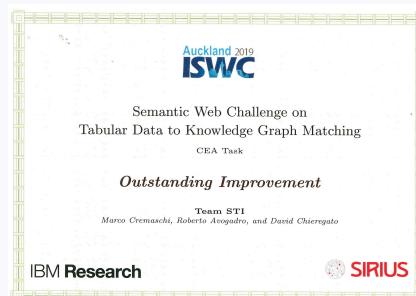
## • Awards

Awards and recognitions for scientific activity



Best Demo Award [Link](#)

Extended Semantic Web Conference 2019



Outstanding Improvement [Link](#)

SemTab Challenge 2019



3rd Place [Link](#)

MobiDataLab Codagon 2023

## Publications

Update date: March 5, 2025



- 10 Elia Guarinieri, **Marco Cremaschi**.  
*The digitalisation of reinforcement learning and token economy in e-health.*  
In Proceedings of the 5th International Conference on Higher Education Learning Methodologies and Technologies Online (HELMETO), Communications in Computer and Information Science, Volume 2076, Springer, 2023.  
Speaker DOI: [10.1007/978-3-031-67351-1\\_29](https://doi.org/10.1007/978-3-031-67351-1_29)
- 11 **Marco Cremaschi**, Jessica Amianto Barbato, Anisa Rula, Matteo Palmonari, Rossana Actis-Grosso.  
*What Really Matters in a Table? Insights from a User Study.*  
In Proceedings of the 21st IEEE/WIC/ACM International Joint Conference on Web Intelligence and Intelligent Agent Technology (WI-IAT), IEEE, 2022.  
Speaker ICORE: B DOI: [10.1109/WI-IAT55865.2022.00045](https://doi.org/10.1109/WI-IAT55865.2022.00045)
- 12 **Marco Cremaschi**, Roberto Avogadro, David Chieregato.  
*s-elBat: a semantic interpretation approach for messy tables.*  
In Proceeding of the SemTab: Semantic Web Challenge on Tabular Data to Knowledge Graph Matching (SemTab@ISWC), Volume 3320, CEUR Workshop Proceedings, 2022.  
Speaker CEUR: Vol-3320
- 13 Jessica Amianto Barbato, **Marco Cremaschi**.  
*Bridging the gap between human-gaze data and table summarisation.*  
In Proceeding of the 1st Workshop on Artificial Intelligence for Human-Machine Interaction (AI\*HMI@AI\*IA), Volume 3368, CEUR Workshop Proceedings, 2022.  
CEUR: Vol-3368
- 14 Stefania Bandini, Valeria Marina Borodi, David Chieregato, **Marco Cremaschi**, Federica D'Antico, Vincenzina Messina, Marco Terraneo, Laura Terzera, Francesca Gasparini.  
*Artificial Intelligence facing multidimensional poverty in elderly.*  
In Proceedings of the 11th Italian Workshop on Artificial Intelligence for an Ageing Society (AI\*AS@AI\*IA), Volume 3367, CEUR Workshop Proceedings, 2022.  
Speaker CEUR: Vol-3367
- 15 Roberto Avogadro, **Marco Cremaschi**, Fabio D'Adda, Flavio De Paoli, Matteo Palmonari.  
*LamAPI: a comprehensive tool for string-based Entity retrieval with type-base filters.*  
In Proceedings of the 17th International Workshop on Ontology Matching (OM@ISWC), Volume 3324, CEUR Workshop Proceedings, 2022.  
Speaker CEUR: Vol-3324
- 16 Mattia Marzocchi, **Marco Cremaschi**, Riccardo Pozzi, Roberto Avogadro, Matteo Palmonari.  
*MammoTab: a giant and comprehensive dataset for Semantic Table Interpretation.*  
In Proceedings of the SemTab: Semantic Web Challenge on Tabular Data to Knowledge Graph Matching (SemTab@ISWC), Volume 3320, CEUR Workshop Proceedings, 2022.  
Speaker CEUR: Vol-3320
- 17 Roberto Avogadro, **Marco Cremaschi**.  
*MantisTable V: a novel and efficient approach to Semantic Table Interpretation.*  
In Proceedings of the SemTab: Semantic Web Challenge on Tabular Data to Knowledge Graph Matching (SemTab@ISWC), Volume 3130, CEUR Workshop Proceedings, 2021.  
Speaker CEUR: Vol-3103
- 18 **Marco Cremaschi**, Simone Saleri, Andrea Maurino.  
*A geometrical deep learning model for the lexicalisation of "unseen" RDF triples.*  
In Proceeding of the IEEE 23rd Int Conf on High Performance Computing & Communications; 7th Int Conf on Data Science & Systems; 19th Int Conf on Smart City; 7th Int Conf on Dependability in Sensor, Cloud & Big Data Systems & Application, IEEE, 2021.  
Speaker DOI: [10.1109/HPCC-DSS-SmartCity-DependSys53884.2021.00034](https://doi.org/10.1109/HPCC-DSS-SmartCity-DependSys53884.2021.00034)
- 19 Rachele De Giuseppe, Matteo Colleoni, **Marco Cremaschi**, Luca Daconto, Ilaria Di Napoli, Alberto Gallace, Lorenzo Guzzetti, Massimo Labra, Andrea Maurino, Chiara Tomasinelli, Alessandra Vincenti, Sara Zizzari, Hellas Cena.  
*How to preserve healthy ageing through nutritional strategies: the new approach of the Food Social Network (Food NET) project.*  
Mediterranean Journal of Nutrition and Metabolism, Volume 15, SAGE Publications, 2021.  
DOI: 10.3233/MNM-211500

- 20 Roberto Avogadro, **Marco Cremaschi**, Ernesto Jiménez-Ruiz, Anisa Rula. Conference paper  
*A framework for quality assessment of semantic annotations of tabular data.*  
 In Proceeding of the 20th International Semantic Web Conference (ISWC), Lecture Notes in Computer Science, Volume 12922, Springer, 2021.
- Speaker | ICORE: A | DOI: [10.1007/978-3-030-88361-4\\_31](https://doi.org/10.1007/978-3-030-88361-4_31)
- 21 **Marco Cremaschi**, Roberto Avogadro, Andrea Barazzetti, David Chieregato, E Jiménez-Ruiz. Challenge paper  
*MantisTable SE: an efficient approach for the Semantic Table Interpretation.*  
 In Proceedings of SemTab: Semantic Web Challenge on Tabular Data to Knowledge Graph Matching (SemTab@ISWC), Volume 2775, CEUR Workshop Proceedings, 2020.
- Speaker | CEUR: Vol-2775
- 22 **Marco Cremaschi**, Flavio De Paoli, Anisa Rula, Blerina Spahiu. Journal paper  
*A fully automated approach to a complete Semantic Table Interpretation.*  
 Future Generation Computer Systems, Volume 112, Elsevier B.V., 2020.
- QUARTILES: Q1 Computer Networks and Communications, Q1 Hardware and Architecture, Q1 Software | DOI: [10.1016/j.future.2020.05.019](https://doi.org/10.1016/j.future.2020.05.019)
- 23 **Marco Cremaschi**, Alessandra Siano, Roberto Avogadro, Ernesto Jimenez-Ruiz, Andrea Maurino. Conference paper  
*STILTool: A Semantic Table Interpretation evalUation Tool.*  
 In Proceeding of 17th International Extended Semantic Web Conference, Volume 12124, Springer, 2020.
- Speaker | ICORE: B | DOI: [10.1007/978-3-030-62327-2\\_11](https://doi.org/10.1007/978-3-030-62327-2_11)
- 24 **Marco Cremaschi**, Roberto Avogadro, David Chieregato. Challenge paper  
*MantisTable: an automatic approach for the Semantic Table Interpretation.*  
 In Proceedings of SemTab: Semantic Web Challenge on Tabular Data to Knowledge Graph Matching (SemTab@ISWC), Volume 2553, CEUR Workshop Proceedings, 2019.
- Winner | CEUR: Vol-2553
- 25 **Marco Cremaschi**, Anisa Rula, Alessandra Siano, Flavio De Paoli. Conference paper  
*MantisTable: a tool for creating semantic annotations on tabular data.*  
 In Proceedings of the 16th Extended Semantic Web Conference (ESWC), Lecture Notes in Computer Science, Volume 11762, Springer, 2019.
- Best paper | ICORE: B | DOI: [10.1007/978-3-030-32327-1\\_4](https://doi.org/10.1007/978-3-030-32327-1_4)
- 26 **Marco Cremaschi**, Federico Bianchi, Andrea Maurino, Andrea Primo Pierotti. Conference paper  
*Supporting journalism by combining neural language generation and Knowledge Graphs.*  
 In Proceedings of the Sesta Conferenza Italiana di Linguistica Computazionale (Clic-it), Volume 2481, CEUR Workshop Proceedings, 2019.
- Speaker | CEUR: Vol-2481
- 27 **Marco Cremaschi**, Anisa Rula, Alessandra Siano, Flavio De Paoli. Workshop paper  
*Semantic Table Interpretation using MantisTable.*  
 In Proceedings of the 17th International Workshop on Ontology Matching (OM@ISWC), Volume 2536, CEUR Workshop Proceedings, 2019.
- Speaker | CEUR: Vol-2536
- 28 **Marco Cremaschi**, Flavio De Paoli. Conference paper  
*A practical approach to services composition through light semantic descriptions.*  
 In Proceedings of the 7th European Conference on Service-Oriented and Cloud Computing (ESOCC), Lecture Notes in Computer Science, Volume 11116, Springer, 2018.
- Speaker | DOI: [10.1007/978-3-319-99819-0\\_10](https://doi.org/10.1007/978-3-319-99819-0_10)
- 29 Federico Bianchi, Matteo Palmonari, **Marco Cremaschi**, Elisabetta Fersini. Conference paper  
*Actively learning to rank semantic associations for personalized contextual exploration of knowledge graphs.*  
 In Proceedings of the 14th Extended Semantic Web Conference (ESWC), Lecture Notes in Computer Science, Volume 10249, Springer, 2017.
- ICORE: B | DOI: [doi.org/10.1007/978-3-319-58068-5\\_8](https://doi.org/10.1007/978-3-319-58068-5_8)
- 30 Meherun Nesa Lucky, **Marco Cremaschi**, Barbara Lodigiani, Antonio Menolascina, Flavio De Paoli. Conference paper  
*Enriching API descriptions by adding API profiles through semantic annotation.*  
 In Proceedings of the 14th International Conference Service-Oriented Computing (ICSOC), Lecture Notes in Computer Science, Volume 9936, Springer, 2016.
- ICORE: A | DOI: [10.1007/978-3-319-46295-0\\_55](https://doi.org/10.1007/978-3-319-46295-0_55)

31 Matteo Palmonari, Giorgio Uboldi, **Marco Cremaschi**, Daniele Ciminieri, Federico Bianchi.

Conference paper

*DaCENA: serendipitous news reading with data contexts.*

In Proceedings of the 12th Extended Semantic Web Conference (ESWC), Lecture Notes in Computer Science, Volume 9341, Springer, 2015.

ICORE: B DOI: [10.1007/978-3-319-25639-9\\_26](https://doi.org/10.1007/978-3-319-25639-9_26)

32 Gianluigi Viscusi, **Marco Cremaschi**, Carlo Batini.

Book chapter

*Service Science and scholarship: experiences from a pragmatist perspective.*

In Software Engineering Education for a Global E-Service Economy, Springer, 2014.

DOI: [10.1007/978-3-319-04217-6\\_19](https://doi.org/10.1007/978-3-319-04217-6_19)

33 Claudio Baldassarre, **Marco Cremaschi**, Matteo Palmonari.

Conference paper

*Bridging the gap between citizens and local administrations with knowledge-based service bundle recommendations.*

In Proceedings of the 24th International Conference on Database and Expert Systems Applications (DEXA), IEEE, 2013.

 Speaker DOI: [10.1109/DEXA.2013.25](https://doi.org/10.1109/DEXA.2013.25)

34 Marco Comerio, Marco Castelli, **Marco Cremaschi**.

Journal paper

*Towards the Definition of Value-added Services for Citizens: a New Model for the Description of Public Administration Services.*

International Journal of Management and Information Technology, Volume 4, Khalsa Publications, 2013.

DOI: [10.24297/ijmit.v4i1.4635](https://doi.org/10.24297/ijmit.v4i1.4635)

## Submitted publications

1 **Marco Cremaschi**, Davide Ditolve, Cesare Curcio, Anna Panzeri, Andrea Spoto, Andrea Maurino.

Journal paper

*Decoding the mind: a RAG-LLM on ICD-11 for decision support in psychology.*

Expert Systems With Applications, Elsevier, 2025.

QUARTILES: Q1 Artificial Intelligence, Q1 Computer Science Applications

2 **Marco Cremaschi**, Fabio D'Adda, Sara Nocco.

Journal paper

*MantisTable UI: a web Interface for comprehensive Semantic Table Interpretation management*

Semantic Web Journal, IOS Press, 2025.

QUARTILES: Q2 Computer Networks and Communications, Q2 Computer Science Applications, Q2 Information Systems

3 **Marco Cremaschi**, Blerina Spahiu, Matteo Palmonari.

Journal paper

*Survey on semantic interpretation of tabular data: challenges and directions.*

Artificial Intelligence Review, Springer, 2025.

QUARTILES: Q1 Artificial Intelligence

4 An Qi Zhao, Giulia Rosemary Avis, Sara Nocco, **Marco Cremaschi**.

Journal paper

*Bridging cultures with Generative AI: enhancing user understanding and persona creation.*

International Journal of Human – Computer Studies, Elsevier, 2025.

QUARTILES: Q1 Hardware and Architecture, Q1 Human–Computer Interaction, Q1 Software

## • Community service

Scientific responsibility in international conferences or workshops

Chair

SemTab: Semantic Web Challenge on Tabular Data to Knowledge Graph Matching  
(SemTab@International Semantic Web Conference 2024 – ICORE rank: A – attended)

[Link](#) 2024

Eighth Italian Conference on Computational Linguistics (CLIC-it 2021 – attended)

[Link](#) 2021

International Conference on Data, Information, Knowledge and Wisdom (DIKW 2021 – attended)

[Link](#) 2021

Organizer

Tutorial on Semantic Table Interpretation  
(SemTab@International Semantic Web Conference 2024 – ICORE rank: A – attended)

[Link](#) 2024

## • Community service

Direction or participation in editorial boards of journals, publishing series, encyclopedias, and treatises of recognised prestige

Associate Editor

Journal of Intelligent & Fuzzy Systems

2024

Member of Committee

SemTab 2019, EALoT 2021, DIKWN 2021, ICRAIC 2021, ESWC 2022, ESWC 2023, ProLingKNOWER 2023, ...

Reviewer

SoftwareX, AIMS Bioengineering, Digital Health, TIST, Soft Computing, ...

## • International research projects/groups

Active participation and collaboration in international research groups, with a temporal continuity of at least four years



COST ACTION

CA23147 – Global Network on Large-Scale, Cross-domain and Multilingual Open KG

[Link](#) 2024 – 2028

This **COST Action** project aims to provide a large-scale, high quality, cross-domain and multilingual knowledge graph technology that is free to use, reuse, and redistribute.

**Member of WG 1, WG 2, WG 3, WG 4.**



NexusLinguarum

[Link](#) 2019 – 2024

CA18209 – European network for Web-centred linguistic data science

This **COST Action** project aims to promote synergies across Europe between linguists, computer scientists, terminologists, and other stakeholders in industry and society, in order to investigate and extend the area of linguistic data science.

**Member of WG 2, WG 3.**

## • Italian research projects/groups

Active participation and collaboration in italian research groups



University of Milan-Bicocca, INTERDEPARTMENTAL CENTER

[Link](#) 2024 – 2025

**Best4Food**

Best4food is a multidisciplinary centre dedicated to food research and innovation actions. It aims to identify the most suitable strategy to develop sustainable food systems able to support our future and the one of the next generations.

**Member.**



University of Milan-Bicocca, INTERDEPARTMENTAL CENTER

2024 – 2025

BReCHS – Bicocca Research Centre in Health Services

Descrizione

**Member.**

## Projects

	<b>MS4A</b> Mobile Services for Agrofood	<b>Funding Agency:</b> Lombardia Region	Dec 2010 – Jun 2012
	The research project, sponsored by Lombardy region, aimed at the development of high value mobile services to deliver information about food via smart labels.		
	<b>Activities</b> As part of this project, I analysed service value and I cooperated to the identification and definition of requirements and functionality to be implemented in the associated application. I also performed a usability study, proposing a possible interface and defining interaction modalities.		
	<b>SMART</b> Services & Meta-services for smART eGovernment	<b>Funding Agency:</b> MIUR – Ministry of Education, University and Research	Feb 2011 – Feb 2014
	The project aimed at developing methodologies and tools for the design and implementation of value-added services.		
	<b>Activities</b> I was involved in the definition of a series of steps for the SMART methodology, aimed at planning, designing and producing services which were consistent with the value for the user. Moreover, during a second phase, I implemented some information tools to help Italian citizens (through user profiling) to identify useful services based upon their needs.		
	<b>Comsode</b> Components Supporting The Open Data Exploitation Project	<b>Funding Agency:</b> EU	Oct 2013 – Sept 2015
	The purpose of the project was to progress the capabilities in the Open Data reuse field, by fostering better integration and quality improvement.		
	<b>Activities</b> I managed the development of components to extract, transform and load Open Data for the Open Data Node platform.		
	<b>SPAC3</b> Servizi smart della nuova Pubblica amministrazione per la Citizen-Centricity in cloud	<b>Funding Agency:</b> Lombardia Region	Apr 2014 – May 2015
	The purpose of the project was to streamline service processes in the Public Administration.		
	<b>Activities</b> I managed the definition of scenarios to be implemented in the platform, which provides SPAC3 services.		
	<b>Foodnet</b> Food Social Sensor Network	<b>Funding Agency:</b> Lombardia Region	Jan 2017 – Mar 2021
	Food NET is a Smart Cities and Communities project aimed at identifying and addressing the nutritional needs of specific consumer groups, fostering innovation in the agri-food industry through advanced infrastructures for functional foods.		
	<b>Activities</b> Project management.		
	<b>ew-shopp</b> Supporting Event and Weather-based Data Analytics and Marketing along the Shopper Journey	<b>Funding Agency:</b> EU	Jan 2017 – Dec 2019
	The aim of the project is to build a platform with innovative services based on advanced data analysis techniques capable to leverage the large variety and volume of data from multiple sources.		
	<b>Activities</b> Within the project I participated in the definition of algorithms for the semantic annotation of tabular data.		
	<b>ARCA</b> ARCA is a software system that enables semantic search and exploration over a book catalog.	<b>Funding Agency:</b> Lazio Region	Oct 2017 – Nov 2021
	<b>Activities</b> I contributed to this project by developing algorithms for data extraction and semantic combination, leveraging AI-based matchmaking techniques.		
	<b>GoForIt</b> The project consists of R&D activities aimed at identifying the special needs expressed by people with various types of disabilities, the elderly, etc., based on the ICF (International Classification of Functioning, Disability & Health) framework.	<b>Funding Agency:</b> MIUR – Ministry of Education, University and Research	2018 – 2020
	<b>Activities</b> In this project I contributed to the realisation of an accessible hotel booking platform and a prototype of a homeassistant interface for hospitality.		
	<b>Melinda</b> Mobility Ecosystem for Low-carbon and INnovative moDal shifts in the Alps	<b>Funding Agency:</b> EU	Apr 2018 – Aug 2021
	The MELINDA project promoted multimodality and modal shift in mobility behaviours for more sustainable mobility in the Alps. By providing an integrated set of mobility and behaviour data, it supports policy making and service planning.		
	<b>Activities</b> I provided support for the development of a web questionnaire for collecting information from users.		



## MAPS-EH

*Monitoraggio e Attuazione Policy di Sicurezza nell'E-Health*

**Funding Agency:** MIMIT – Ministry of Business and Made in Italy

[Link](#)

Sept 2021 – July 2023

MAPS-EH provides comprehensive support for the automated compliance verification between recorded access events on IT resources and the security policies established by an organization, enabling the automatic detection of potential anomalies.

**Activities** In this project I provided support in the analysis of solutions in the SOTA and the definition of the compliance verification algorithm.



## Ampel

*Artificial Intelligence facing Multidimensional Poverty in Elderly*

**Funder:** Fondazione Cariplo

[Link](#)

Nov 2021 – Oct 2023

The project Artificial intelligence facing Multidimensional Poverty in Elderly (AMPEL) focuses on the use of cutting edge technologies in Artificial Intelligence (AI), Machine Learning (ML), data analysis and data visualisation to identify the risk of poverty in elderly people, relying on multidimensional indicators, learned from heterogeneous sources of information.

**Activities** I provided support in defining the concept of multidimensional poverty and in defining the ML algorithms.



## BinTraWine

*Blockchain, Tracking and Tracing solutions for Wine*

**Funding Agency:** MIMIT – Ministry of Business and Made in Italy

[Link](#)

Mar 2022 – Sept 2023

BinTraWine, based on Blockchain technology, aims to ensure transparency, traceability, verifiability, and data certification for all producers, winemakers, distributors, consumers, and certification bodies involved in the process.

**Activities** In the project I was responsible for defining the architecture for managing smart contracts.



## enRichMyData

*Enabling Data Enrichment Pipelines for AI-driven Business Products and Services*

**Funding Agency:** EU

[Link](#)

Oct 2022 – Sept 2023

The project aims to provide a novel paradigm for building rich, high-quality, and valuable datasets to feed Big Data Analytics and AI applications.

**Activities** Within the project I participated in the definition of algorithms for the semantic annotation of tabular data.



## DIPPS

*Digital Intervention in Psychiatric and Psychologist Services*

**Funding Agency:** MIMIT – Ministry of Business and Made in Italy

Mar 2023 – Dec 2026

The project aims to enhance mental health care through innovative digital solutions, improving accessibility, efficiency, and patient outcomes.

**Activities** Project management.



## Biomatrix

*Biodiverse Information Organization, Management, Analysis, Transformation and Reporting with Innovative eXperience*

**Funding Agency:** MUR – Ministry of University and Research

Sept 2024 – Nov 2025

BIMATRIX focuses on data acquisition, transformation, and the implementation of a dashboard for data delivery through the creation of a pipeline consisting of three main phases: acquisition, processing, and analysis.

**Activities** As part of this project I contributed to the analysis of the available datasets and to the data integration and visualisation dashboard which was realised.



## CrowdIT

*Crowd Response Optimisation With Digital-twin InTervention*

**Funding Agency:** MUR – Ministry of University and Research

Dec 2024 – Dec 2025

CrowdIT is a Digital Twin system for the management of urban crowds, with special emphasis on anomaly detection and early warning generation.

**Activities** In this project I contributed to the algorithms for the route optimisation in crowd management.



## APM

*Automotive Predictive Maintenance*

**Funding Agency:** MIMIT – Ministry of Business and Made in Italy

Jun 2025 – Jun 2028

The APM project aims to develop an innovative AI and Machine Learning-based platform for predictive maintenance of corporate fleets and public transportation. The goal is to reduce costs, improve efficiency, and enhance vehicle safety by anticipating failures and optimizing maintenance operations.

**Activities** As part of this project I will contribute to the corporate fleet predictive maintenance algorithms.

## Tender commissions

University of Milan-Bicocca	<a href="#">Link</a>	2024
Research grants announcement – Code 24A224	<a href="#">Link</a>	2024
Research grants announcement – Code 24A221	<a href="#">Link</a>	2024
Research grants announcement – Code 24A060	<a href="#">Link</a>	2024
Research grants announcement – Code 24A059	<a href="#">Link</a>	2024
Research grants announcement – Code 24B122	<a href="#">Link</a>	2024
Research grants announcement – Code 24B137	<a href="#">Link</a>	2024
Research grants announcement – Code 24B064 – <b>Scientific Project Head: Cremaschi Marco</b>	<a href="#">Link</a>	2024
Call for collaboration – Code 24CE249	<a href="#">Link</a>	2024
Research grants announcement – Code 22B194	<a href="#">Link</a>	2022
Research grants announcement – Code 22B178	<a href="#">Link</a>	2022
Research grants announcement – Code 22B176	<a href="#">Link</a>	2022

## Skills



### DICHIARAZIONE SOSTITUTIVA DI CERTIFICAZIONI (Art. 46 D.P.R. 445 del 28/12/2000)

Io sottoscritto **Marco Cremaschi**, nato a Chiari (BS) il 04/10/1983, residente a Sesto San Giovanni (Mi) in Viale Gramsci, 730, CF: CRMMRC83R04C618I, tel: 3664168368, email: [cremarco@gmail.com](mailto:cremarco@gmail.com), consapevole delle sanzioni penali, nel caso di dichiarazioni non veritieri e falsità negli atti, richiamate dagli artt. 46 e 47 del DPR 445 del 28/12/2000,

DICHIARA

che le informazioni sotto riportate sono veritieri.