



SAPIENZA
UNIVERSITÀ DI ROMA

INAIL

ISTITUTO NAZIONALE PER L'ASSICURAZIONE
CONTRO GLI INFORTUNI SUL LAVORO

Inail - Workers' compensation system

Daniela Martini

Stefania Massari

Internship Day 2025

Roma, 28 novembre 2025

Statistical and Actuarial Department

Department of Occupational and Environmental Medicine, Epidemiology and Hygiene

ISTITUTO NAZIONALE CONTRO GLI INFORTUNI SUL LAVORO E LE MALATTIE PROFESSIONALI



Inail
was founded in 1933



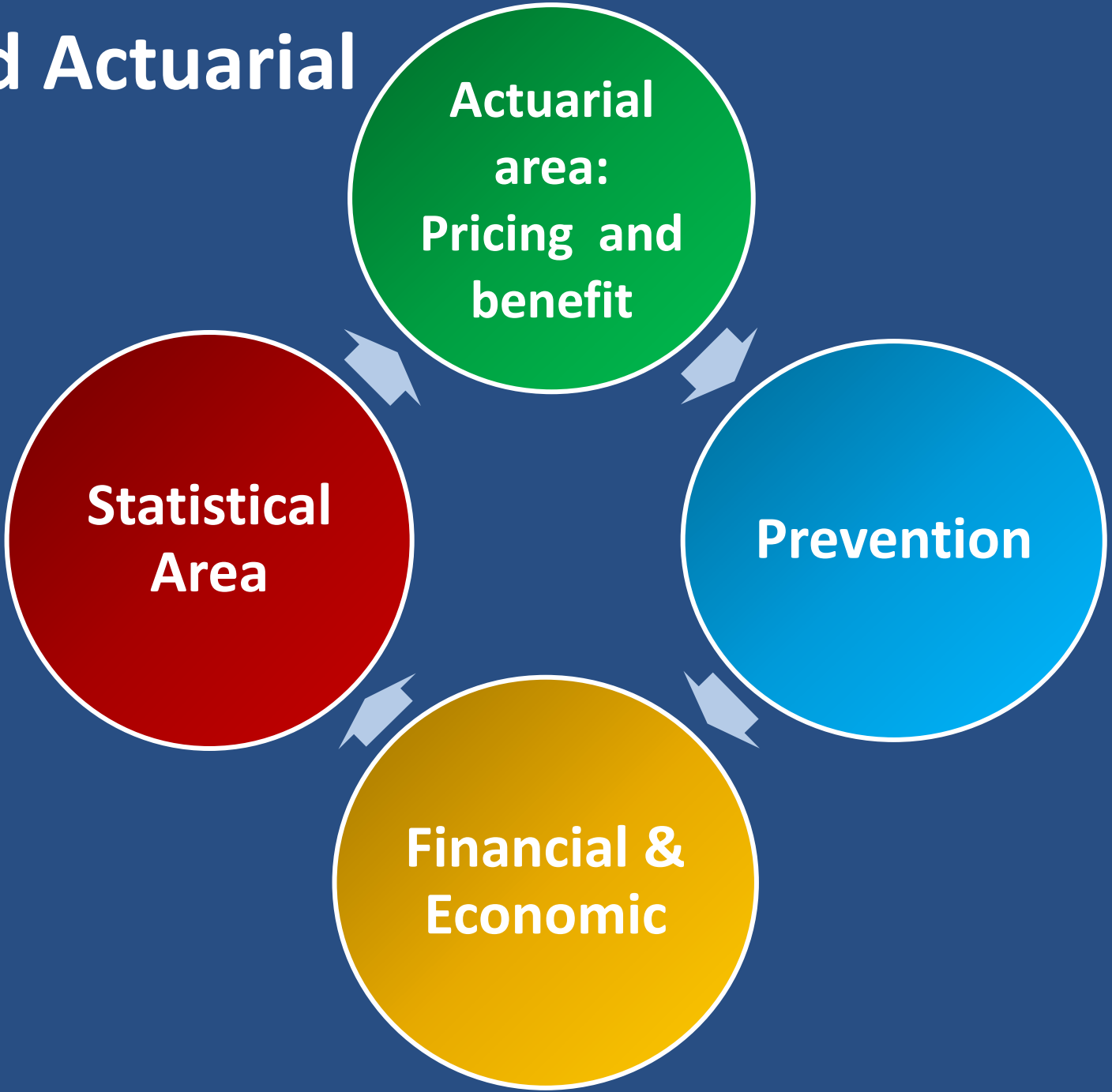
Inail's goals are:

- to **reduce accidents**
- to **insure workers** who perform risky activities
- to **ensure the reintegration into working life** of those injured at work
- to **carry out research** and develop control and verification methods in the field of prevention and safety.

WELL BEING OF WORKERS



Statistical and Actuarial Department



AGREEMENTS AND PARTNERSHIPS





BRIDGE TO TOMORROW

28 MAY – 1 JUNE 2023 • SYDNEY



Impact of Covid-19 pandemic on disabled workers' survival in Italy and future scenarios

©Italian National Institute for Insurance against Accidents at Work



This presentation has been prepared for the 2023 International Congress of Actuaries.

The Actuaries Institute Australia Council wishes it to be understood that opinions put forward herein are not necessarily those of the Institute and the Council is not responsible for those opinions.



**ITALIAN WORKERS' COMPENSATION
SYSTEM:
social sustainability through financial
management systems**

INAIL

ISTITUTO NAZIONALE PER L'ASSICURAZIONE
CONTRO GLI INFORTUNI SUL LAVORO

Economic benefits

Asbestos Victims Fund

Asbestos is one of the most important occupational carcinogens, causing about half of the deaths from occupational cancer.

In 1992 Italy prohibits the extraction, import, use, marketing and export of asbestos and products that contain it.



Since 2008, Inail manages **Asbestos Victims Fund**. The aim of the Fund is to provide additional financial support to the diseased to enable higher levels of care.

A special insurance protection for special workers: housewives/househusbands

Domestic accidents are a topic of great interest for public health. The low security level of domestic environments and the low perception of risk represent an important risk factor.



The aim is to provide a **high risk insurance coverage** to the housewives and househusbands who daily free of charge take care of their own family unit and the home environment where they live. The housewives and househusbands are equated to other workers and the insurance protects their job.

The insurance was born on 1 March 2001 and it is the first in Europe. From 1/1/ 2019 the insurance has been deeply transformed increasing the insurance coverage.

INAIL conducts Research and Innovation initiatives focused on Health and Safety in both living and working environments (HSE).

Institutional Research

Regulatory framework for the protection of Health and Safety at Work (Legislative Decree No. 81/2008)

Scientific Research

Collaborate with Italian and international universities and research institutes.
Analyze emerging risk scenarios in work organization models and production processes
Adapt protection measures to the rapidly changing of the world of work

Third Mission

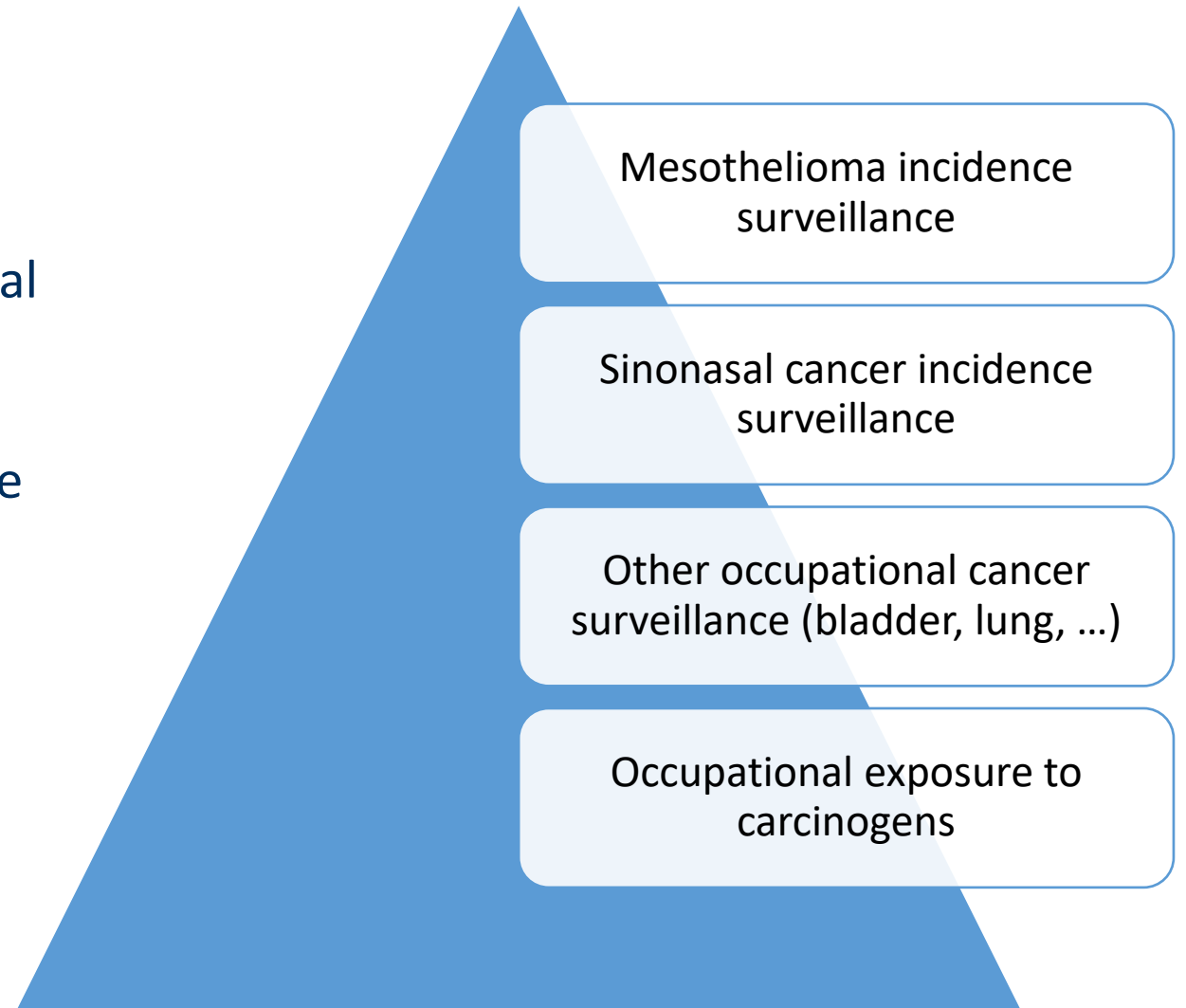
Agreements with universities and research institutions to support training and research activities, including academic and postgraduate programs, prevention-focused seminars and workshops, student internships at INAIL, doctoral theses.

Department of Occupational and Environmental Medicine, Epidemiology and Hygiene (DIMEILA)

Department of Technological Innovations and Safety of Plants, Products and Human Settlements (DIT)

Italian surveillance system of occupational cancer cases and occupational exposure to carcinogens

- ✓ Integrated system with a fundamental role of regional health office and national coordination;
- ✓ Active search of case and individual anamnestic analyses for mesothelioma e sinonasal cancers;
- ✓ Epidemiological surveillance for identifying cluster usign administrative archives for low fraction cases;
- ✓ Occupational exposure surveillance.



National Mesothelioma Registry (ReNaM).

Epidemiological surveillance of mesothelioma cases has made it possible to identify previously **unknown** and **unexpected asbestos exposure** pathways, providing significant support for protection and risk-prevention activities.

Jute sack recycling
Textile (non-asbestos)
Agriculture
Car mechanics ...
...



Corrispondenza
Alessandra Binazzi

Rassegne e Articoli

E&P anno 37 (1) ge

**Sorveglianza epidemiologica dei mesoteliomi
per la prevenzione dell'esposizione ad amianto
anche in attività non tradizionalmente coinvolte**



ReNaM context. Mesothelioma expected trend in Italy

Article

Effect of Asbestos Consumption on Malignant Pleural Mesothelioma in Italy: Forecasts of Mortality up to 2040

Enrico Oddone ^{1,2,*}, Jordy Bollon ³, Consuelo Rubina Nava ⁴, Dario Consonni ⁵, Alessandro Marinaccio ⁶, Corrado Magnani ³, Antonio Gasparrini ^{7,8} and Francesco Barone-Adesi ³

This is the most recent analysis on mesothelioma expected trend in Italy. We are now on the peak in mesothelioma epidemic.

There is a prediction for a drop in the next years (starting from 2020-2025).

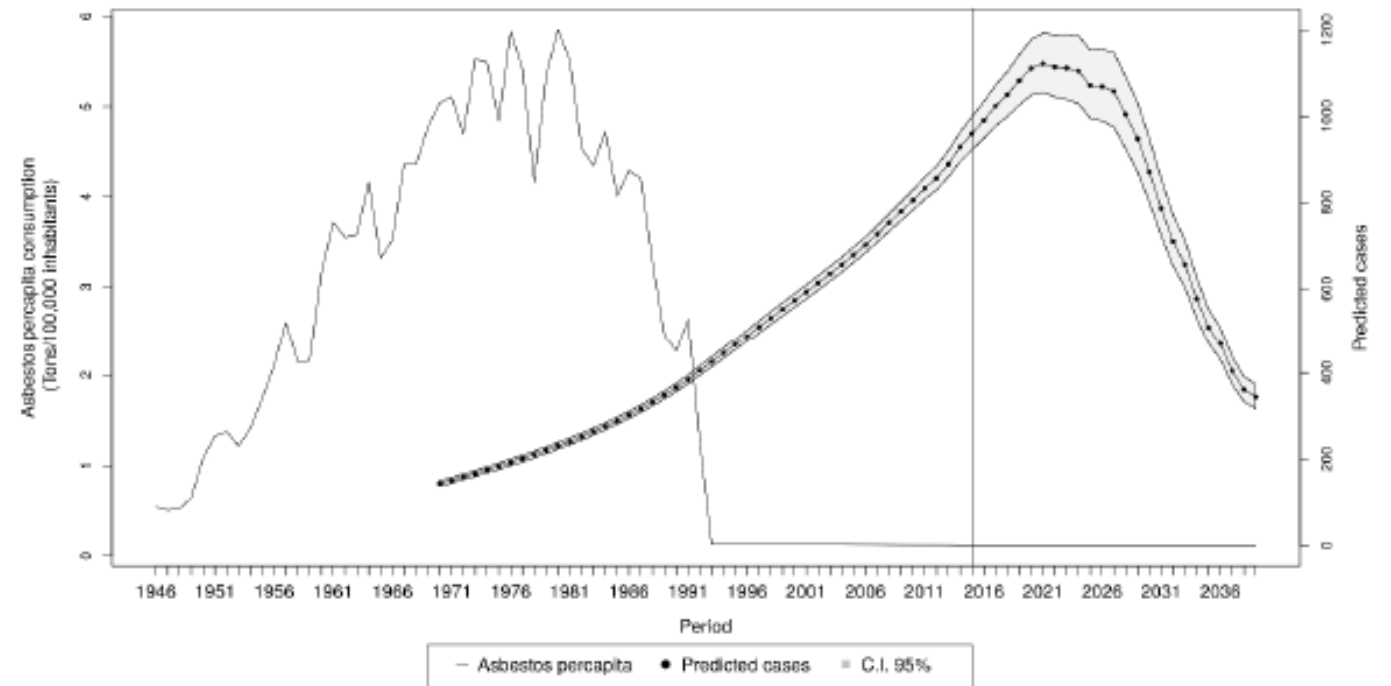


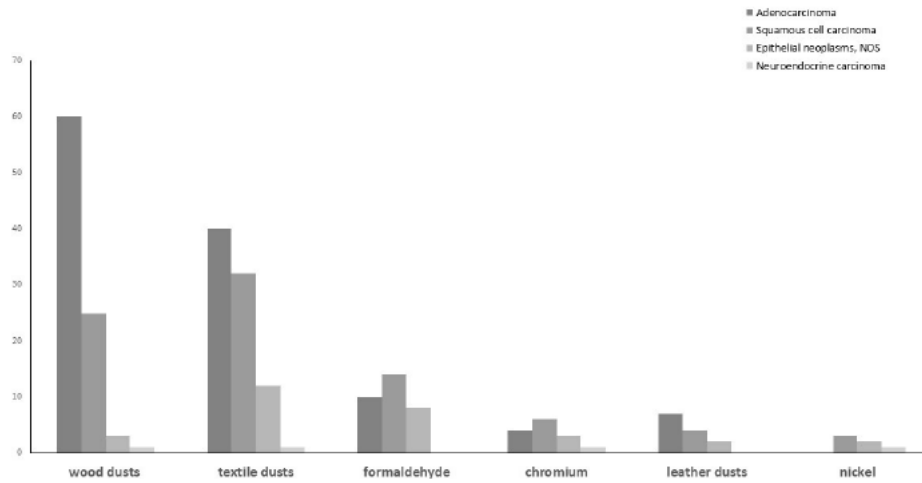
Figure 2. Fitted and predicted (after 2014) MPM cases with related 95% CI. To the left, asbestos per capita consumption in the period 1946–1992 in Italy.

National Registry of Nasal and Paranasal Sinus Tumors.(ReNaTuNs).

Article

Exposures to IARC Carcinogenic Agents in Work Settings Not Traditionally Associated with Sinonasal Cancer Risk: The Experience of the Italian National Sinonasal Cancer Registry

Alessandra Binazzi ^{1,*}, Carolina Mensi ², Lucia Miligi ³, Davide Di Marzio ¹, Jana Zajacova ⁴, Paolo Galli ⁵, Angela Camagni ⁵, Roberto Calisti ⁶, Anna Balestri ⁷, Stefano Murano ⁸, Sara Piro ³, Angelo d'Errico ⁹, Matteo Bonzini ^{2,10}, Stefania Massacesi ⁶, Denise Sorasio ⁴, Alessandro Marinaccio ¹ and on behalf of ReNaTuNS Working Group [†]



Epidemiological surveillance of these tumors has made it possible to examine the role of occupational exposure even in *non-adenocarcinoma* cases and in relation to IARC-listed carcinogens *other than wood and leather dust*.

Occupational cancer surveillance. Low attributable occupational fraction cancer cases

RESEARCH

Open Access



Cancer mortality and sectors of employment: a cohort study in Italy

Stefania Massari^{1*}, Lisa Bauleo², Claudio Gariazzo¹, Paola Michelozzi³, Luca Dei Bardi^{3,4,7,8}, Nicolas Zengarini⁵, Sara Maio⁶, Massimo Stafoggia³, Marina Davoli³, Giovanni Viegi^{6,9}, Giulia Cesaroni³, Alessandro Marinaccio¹ and on behalf of the BIGEPI Collaborative Group

- ✓ Cancer cases from incidence or mortality archives.
- ✓ Occupational histories by administrative dataset.
- ✓ Individual anamnestic interview by territorial health offices.

INAIL

RENALOCCAM. IL SISTEMA DI MONITORAGGIO DELLE NEOPLASIE A BASSA FRAZIONE EZIOLOGICA

INAIL

Manuale operativo



Epidemiological surveillance system of occupational exposure to carcinogens (SIREP)

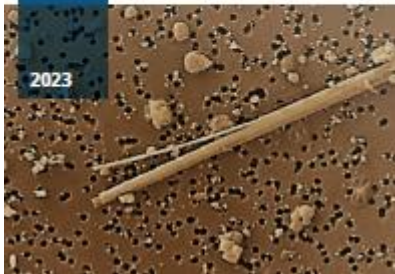
Actually, the SIREP archive dimension:

- 17.500 Firms;
- 200.000 Exposed workers;
- 500.000 Measures of exposures levels.

L'ESPOSIZIONE AD AGENTI CANCEROGENI
NEI LUOGHI DI LAVORO IN ITALIA

INAIL Quadro normativo, strumenti operativi e analisi
del sistema informativo di registrazione
delle esposizioni professionali (SIREP)

2023



<https://www.inail.it/portale/it/inail-comunica/pubblicazioni/catalogo-generale/catalogo-generale-dettaglio.2023.03.esposizione-ad-agenti-cancerogeni-nei-luoghi-di-lavoro-in-italia.html>

RESEARCH ARTICLE

Open Access



Gender differences in occupational exposure to carcinogens among Italian workers

Alberto Scarselli*, Marisa Corfiati, Davide Di Marzio, Alessandro Marinaccio and Sergio Iavicoli





Article

Occupational Mortality Matrix: A Tool for Epidemiological Assessment of Work-Related Risk Based on Current Data Sources

Stefania Massari ^{1,*}, Vittoria Carolina Malpassuti ², Alessandra Binazzi ¹, Lorena Paris ¹, Claudio Gariazzo ¹ and Alessandro Marinaccio ¹



Article

Formaldehyde and Acetaldehyde Exposure in “Non-Traditional” Occupational Sectors: Bakeries and Pastry Producers

Lucia Miligi ¹, Sara Piro ^{1,*}, Chiara Airoidi ¹, Renato Di Rico ², Raffaella Ricci ², Rudy Ivan Paredes Alpaca ², Fabrizio De Pasquale ², Angela Veraldi ¹, Alessandra Ranucci ¹, Stefania Massari ³, Alessandro Marinaccio ³, Giorgia Stoppa ¹, Anna Cenni ⁴, Cinzia Trane ⁴, Antonio Peruzzi ⁴ and Maria Cristina Aprea ⁴

Evaluation of Adjustment for Unobserved Confounders in Occupational Epidemiology Studies

Silvia D’Elia ¹, Stefania Massari ², Marco Alfò ¹, Claudio Gariazzo ², Alessandro Gialluisi ³, Alessandro Marinaccio ², Licia Iacoviello ³, and Simona Costanzo ³



ORIGINAL ARTICLES

Cancer-Specific Mortality Odds Ratios in the Food, Accommodation, and Beverage Activities in Italy

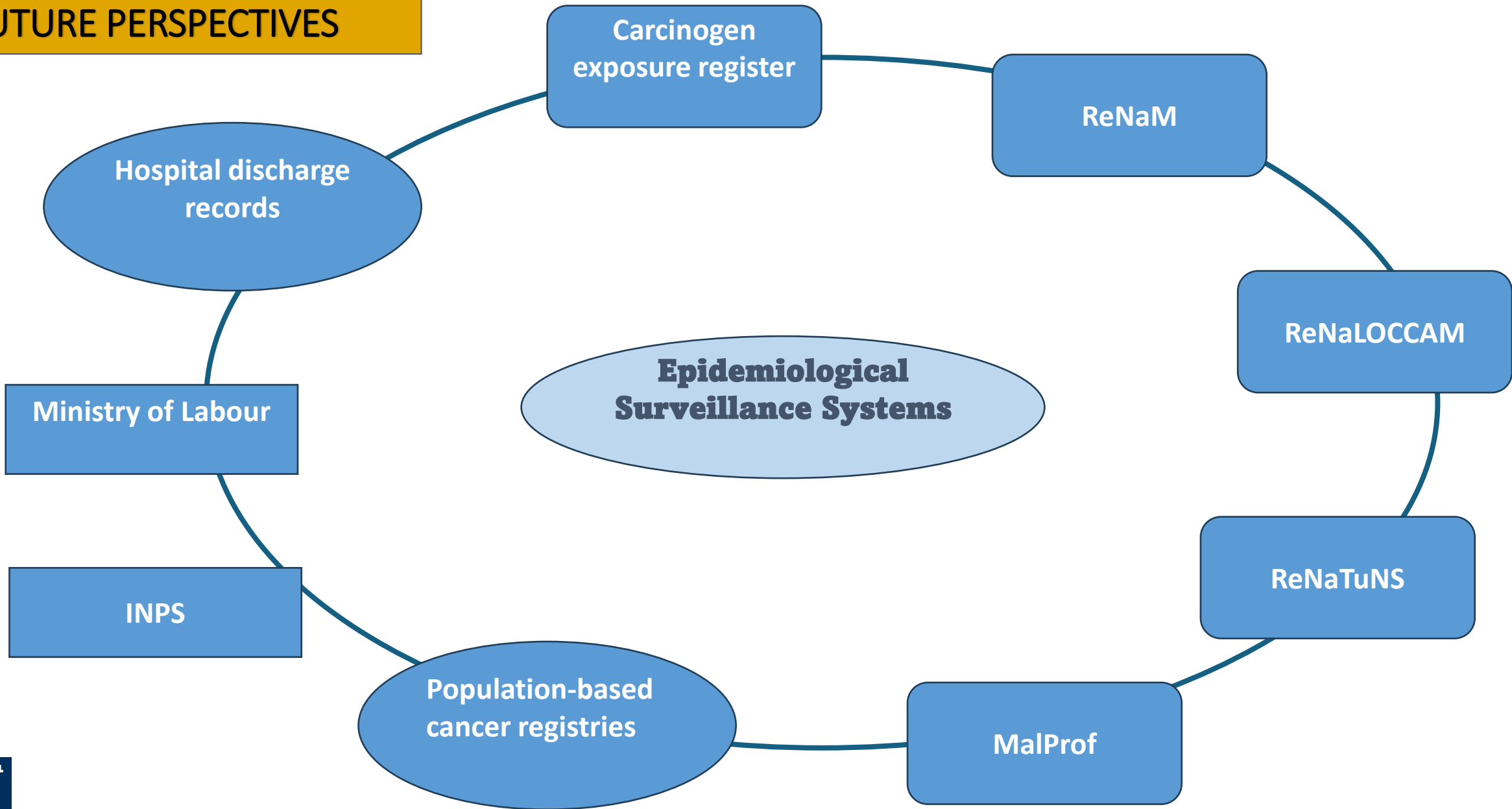
Gariazzo, Claudio DSc; Massari, Stefania DSc; Consonni, Dario PhD; Marchetti, Maria Rosaria MD; Marinaccio, Alessandro MSc

[Author Information](#)

Journal of Occupational and Environmental Medicine 66(7):p 572-579, July 2024. | DOI:

10.1097/JOM.00000000000003114

FUTURE PERSPECTIVES





www.workclimate.it

Thank you!

Daniela Martini

INAIL

Statistical and actuarial department

d.martini@inail.it

+39 06 5487 2334

Stefania Massari

INAIL - Department of Occupational and Environmental
Medicine, Epidemiology and Hygiene

s.massari@inail.it

+39 06 5487 2058