



Forum Risk Management

obiettivo sanità & salute

18

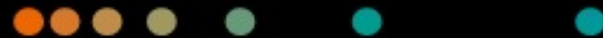
21-24 NOVEMBRE 2023
AREZZO FIERE E CONGRESSI

Pasquale Zamprota

Siemens Healthineers

A call for change

Pasquale Zamprota
Head of Sales Digital
Siemens Healthcare



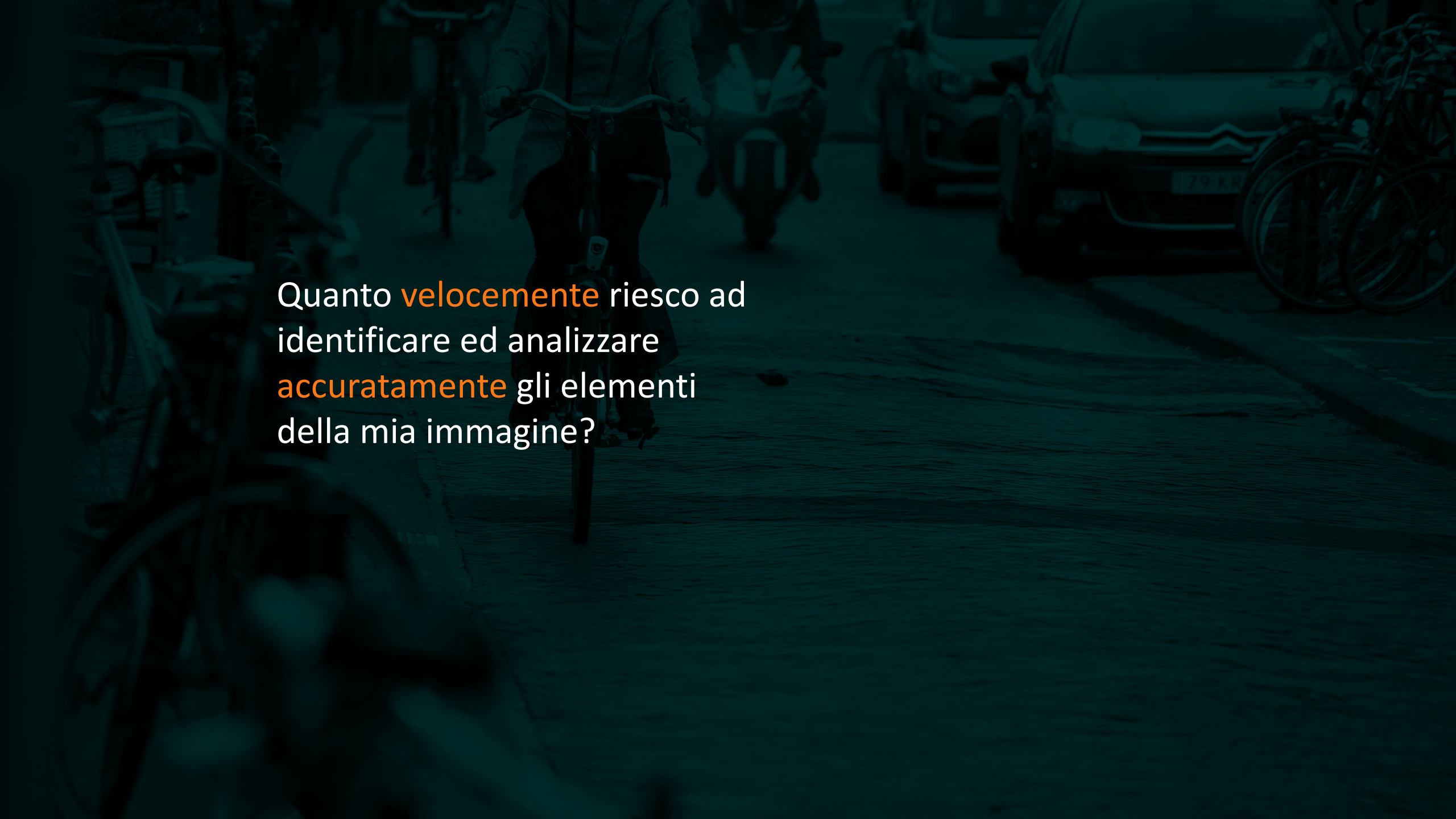


Quante biciclette ci sono
nell'immagine?



Quante biciclette ci sono
nell'immagine?

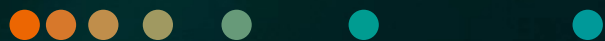
Quale è il numero della targa
dell'auto?



Quanto **velocemente** riesco ad
identificare ed analizzare
accuratamente gli elementi
della mia immagine?

A close-up photograph of a person's eye, looking slightly to the right. The image is heavily overlaid with a teal/cyan color, creating a moody and somewhat obscured effect. The eye is the central focus, with the eyelashes and the curve of the eyelid visible. The background is dark and indistinct.

La minaccia silente





Fino al 90%

delle mammografie
sono negative

I falsi negativi in
mammografia

8-10%

circa 95 donne

su 1000 vengono
richiamate dopo la
mammografia



Le performance dei
radiologi tendono
a decrescere dopo

70 o 80 minuti

di lettura

THE LANCET
Oncology

Artificial intelligence-supported screen reading versus standard double reading in the Mammography Screening with Artificial Intelligence trial (MASAI): a clinical safety analysis of a randomised, controlled, non-inferiority, single-blinded, screening accuracy study

[Kristina Lång, PhD](#)   • [Viktoria Josefsson, MD](#) • [Anna-Maria Larsson, PhD](#) • [Stefan Larsson, PhD](#) • [Charlotte Högberg, MA](#) • [Hanna Sartor, PhD](#) • et al. [Show all authors](#)

ARTICLES | VOLUME 24, ISSUE 8, P936-944, AUGUST 2023



80.033
donne

40-80
Anni
(54)

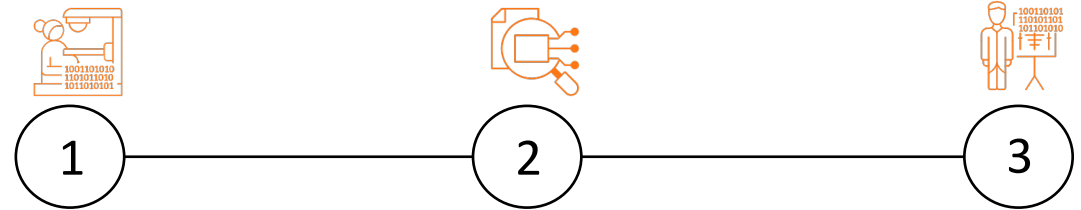
1-2
anni

4
centri



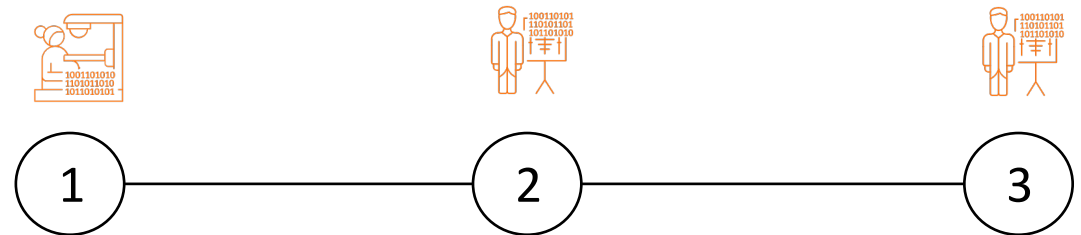
AI workflow

40.003



Doppio cieco

40.030





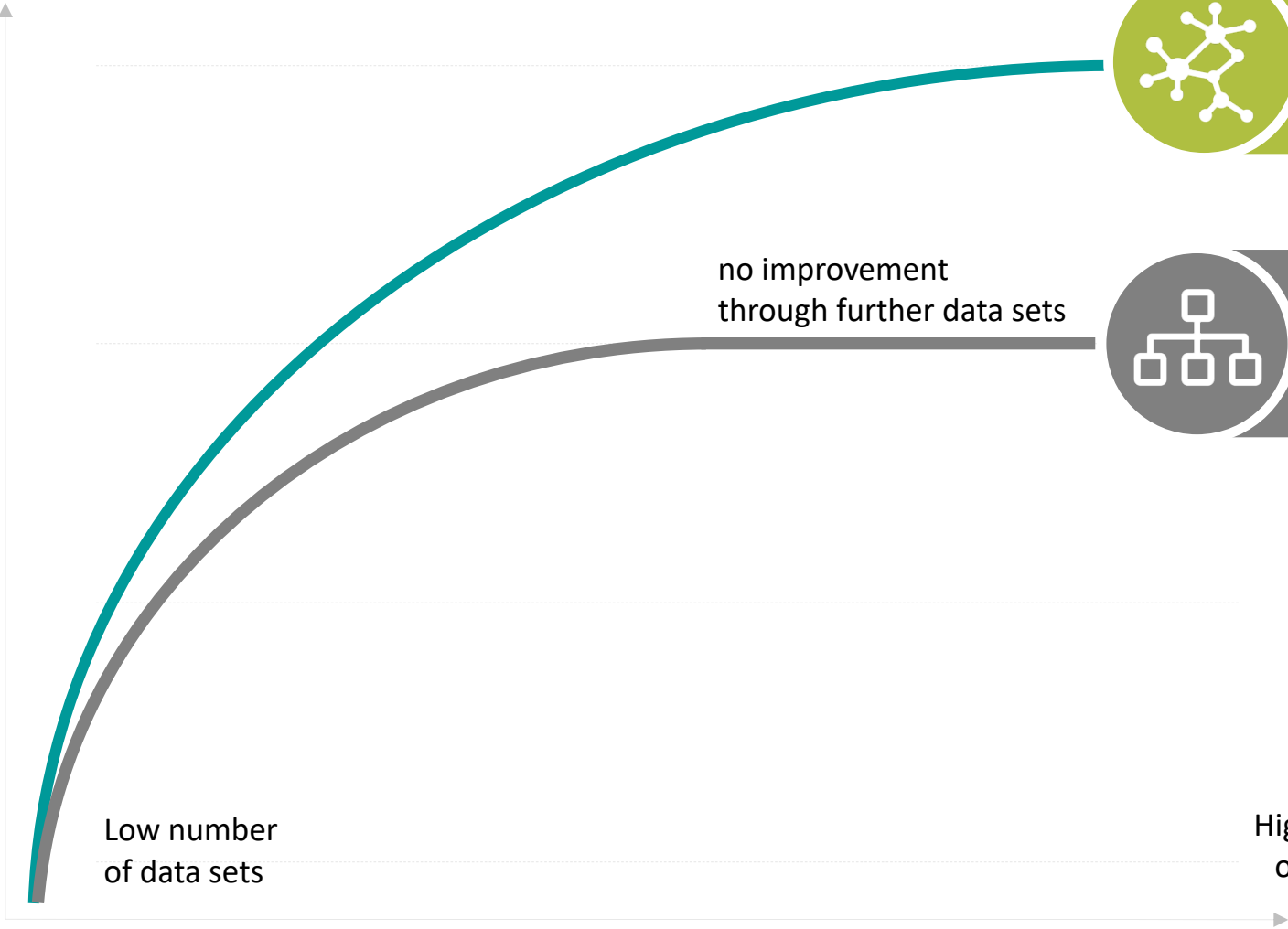
	Recalls	Cancers detected	Invasive/situ	False positive
AI workflow	861 2.2%	244 6.1 per 1000	75%/25%	1.5%
Doppio cieco	817 2.0%	203 5.1 per 1000	81%/19%	1.5%

Reading workload: -44.3%



High performance

Low performance



**Deep
(Machine)
learning**

Siemens
Healthineers
research
since 2012



**Traditional
Machine
learning**

Siemens
Healthineers
research
since 1996

no improvement
through further data sets

Low number
of data sets

High number
of data sets

