



Desier in a nutshell

Measuring the digitalization of municipalities

What's DESIER

- Born in 2021
- synthetic index that measures the digitization of the 330 municipalities of the Emilia-Romagna region
- Obtained by standardizing and summing 60 indicators at municipal level
- Transfer at local and municipal level the DESI indicator produced every year by the European Commission until 2022

DESIER: the key questions

- Which Municipalities and Associations are the most “digitalised” in Emilia-Romagna?
- How is the digital gap evolving across the areas in the region?
- Where have the most significant gaps been found?
- What differences emerged between performance at local level in terms of **enabling factors** and **achieved results** regarding digitalisation?
- What are the conditions that might favour **harmonious and fair** digital development throughout the area?

Methodology.... copying from DESI

4 key study areas

- Human capital (Digital Skills, Advanced Training and labour market, Use of the internet and ICT Specialists)
- Connectivity (Landline Coverage, Mobile phone Coverage, Landline Use, Mobile phone Use)
- Integration of Digital Technologies (E-business, Impact on the market)
- Digital Public Services (Digital public service Development, Data and interoperability, Use of e-government and Impact on digitisation).
- Each of these key areas is then analysed in more depth:
 - enabling factors
 - achieved results

Methodology... copying from DESI

To calculate the DESIER index

- all 60 indicators are standardized (on a scale from 0 to 100),
- a weight is assigned to each of them so that the sum of the 60 individual weights amounts to 1.
- The DESIER index is calculated as the sum of all standardized and weighted indices.

How to see it: 22,200 figures

The analysis of the DESIER index is available via an online dashboard accessible to all

<https://digitale.regione.emilia-romagna.it/desier>

- maps and graphs which provide a regional overview, plus specific insight at local level.
- virtual pathway: from the regional outlook to the specific municipal situation.
- Every single data can be downloaded from the dashboard



DESIER - MAPPA REGIONALE	DESIER - FA-RO	DESIER - DIMENSIONI (REGIONALE)	DESIER - STRATEGIE TERRITORIALI - SNAI	DESIER - RIORDINO TERRITORIALE PRT	DESIER - SPECIALIZ. PRODUTTIVA	DESIER - DIMENSIONI (LOCALE)
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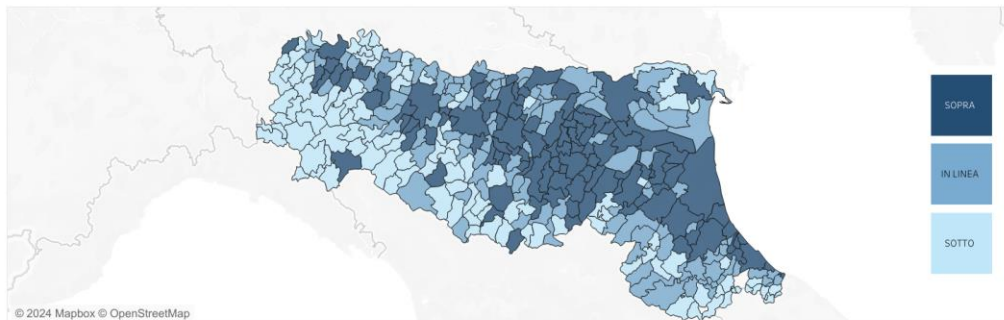
RAPPRESENTAZIONE CARTOGRAFICA DEGLI INDICI DEI COMUNI RISPETTO ALLA MEDIA REGIONALE E TABELLA DEGLI INDICI

	SELEZIONA PROVINCIA Tutti	SELEZIONA UNIONE Tutti	SELEZIONA MONTANITA' Tutti	SELEZIONA CLASSE Tutti	SELEZIONA COMUNE Tutti
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SELEZIONA LA DIMENSIONE
A - DESIER

Different shades of blue

the darker they are
the higher their level of
digitization



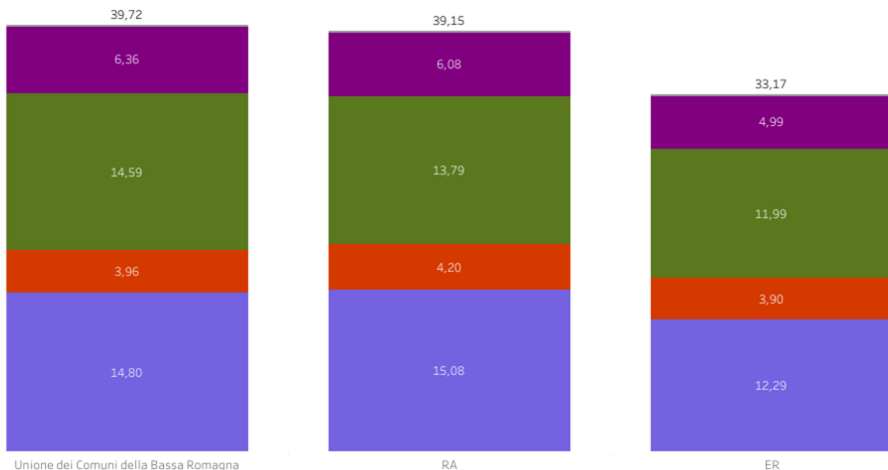
COMUNE	DESIER	CAPITALE UMANO	CONNETTIVITÀ	INTEGRAZIONE DELLE TECNOLOGIE DIGITALI	SERVIZI PUBBLICI DIGITALI	FATTORI ABILITANTI	RISULTATI OTTENUTI
Agazzano	23,91	4,69	5,51	4,06	9,65	14,05	9,86
Albareto	25,28	5,88	7,91	2,26	9,23	15,03	10,25
Albinea	30,40	5,61	8,08	5,39	11,33	17,07	13,33
Alfonsine	33,73	6,76	9,68	3,56	13,73	18,41	15,32
Alseno	27,44	4,04	6,12	3,31	13,96	16,08	11,36
Alta Val Tidone	20,72	2,96	3,59	1,85	12,32	11,33	9,39
Alto Reno Terme	31,57	8,07	8,65	2,98	11,86	17,96	13,61
Anzola dell'Emilia	35,94	5,25	9,57	6,43	14,68	19,26	16,68
Arcolate	28,20	6,08	11,54	6,76	12,00	20,62	17,66

Each index in a single territory

MEDIA DESIER E DELLE DIMENSIONI DI COMUNI ED UNIONI IN RAPPORTO A DATO PROVINCIALE E REGIONALE



SELEZIONA COMUNE O UNIONE
Unione dei Comuni della Bassa Romagna



Dimensione

■ CAPITALE UMANO
■ CONNETTIVITÀ

■ INTEGRAZIONE DELLE TECNOLOGIE DIGITALI
■ SERVIZI PUBBLICI DIGITALI

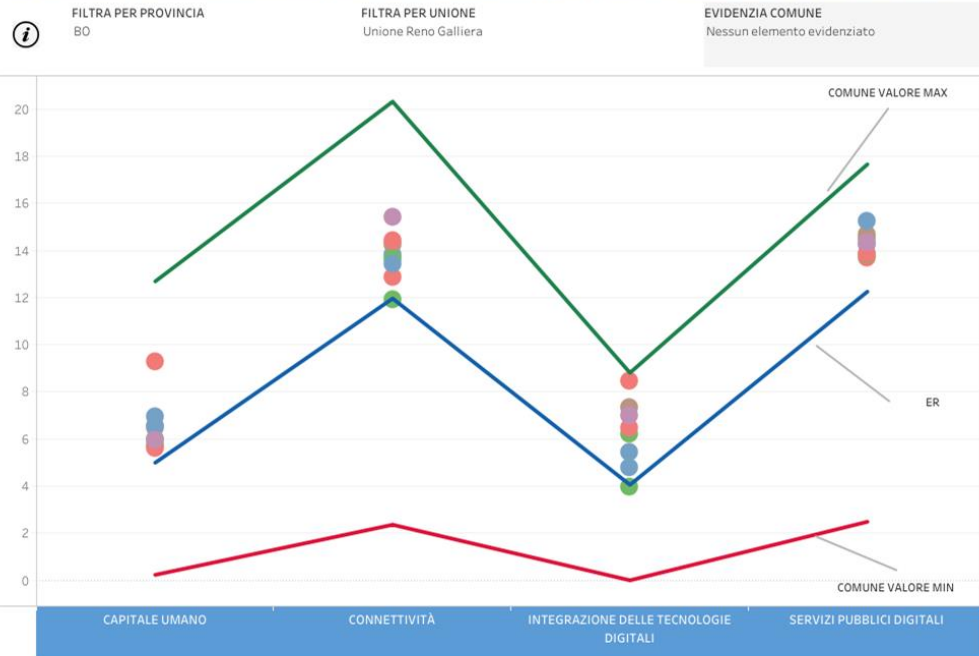
bars of different heights
and colors

the higher they are
the higher their level of digitization

- Municipality / Assoc of Munic
- District
- Region

4 dimensions through territories

MEDIA DESIER E DIMENSIONI PER COMUNE E CONFRONTO CON MEDIA REGIONALE, MEDIA COMUNE COL VALORE MASSIMO E MINIMO



Dot= municipalities

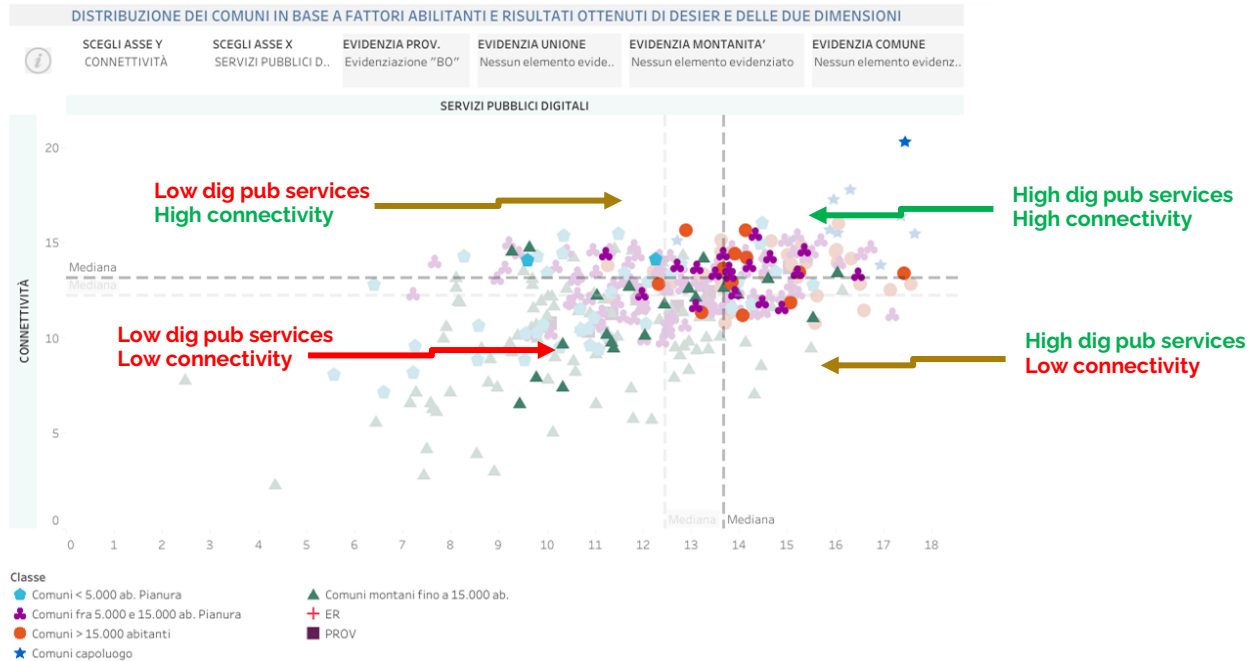
Am I the best?

Am I the worst?

Am I the middle one?



Positioning respect dimensions





Territorial comparison on indicators

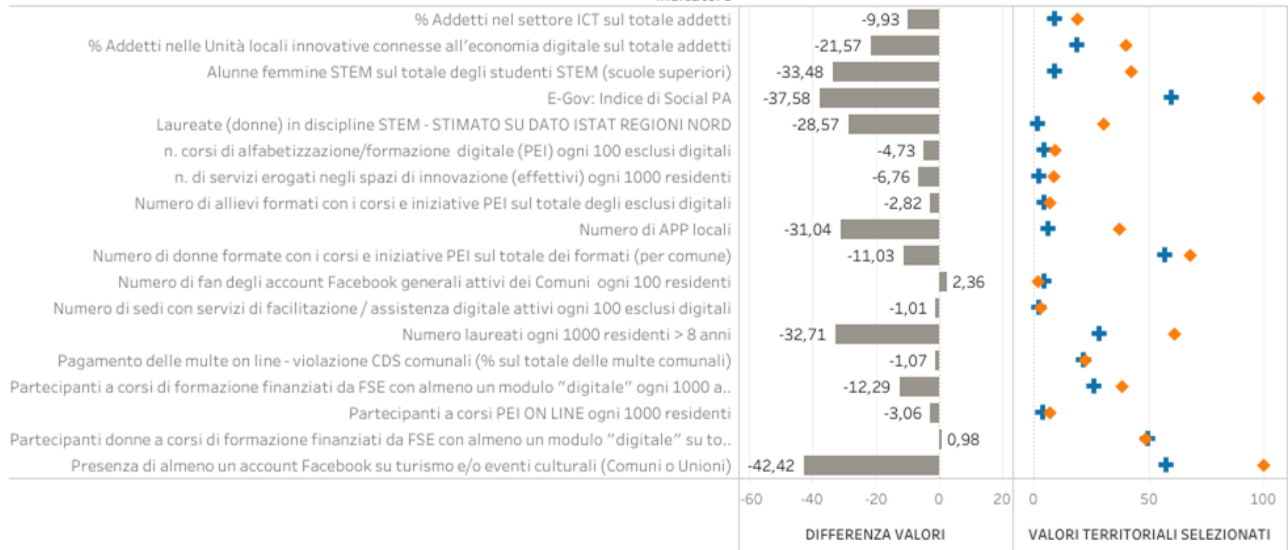
CONFRONTO FRA MEDIE DESIER, DIMENSIONI E SINGOLI INDICATORI (AGGREGAZIONI TERRITORIALI)

SELEZIONA AMBITO
 CAPITALE UMANO

+ SCEGLI TERRITORIO 1
 EMILIA-ROMAGNA

◆ SCEGLI TERRITORIO 2
 COMUNI CAPOLUOGO (CLASSI DI CO..

Indicatore



+++ Your performance is better than mine+++

I could learn something from you



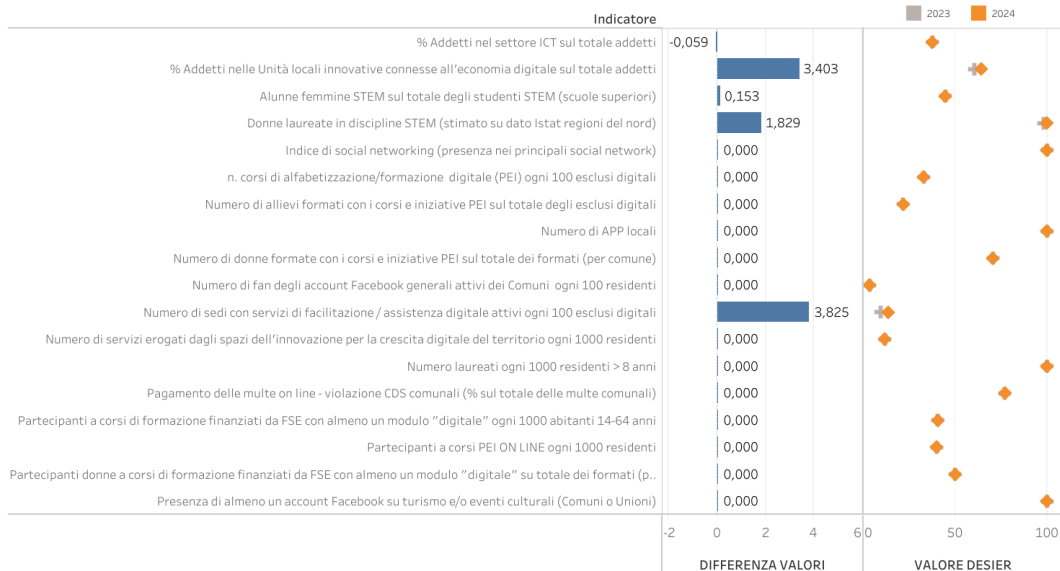
Timing comparison on indicators: 2024 vs 2023

DESIER 2024, 2023 e DELTA DEGLI INDICATORI



SELEZIONA AMBITO
CAPITALE UMANO

SELEZIONA COMUNE
Bologna



desier

How we use it?

Instrument available for local administration offices and organisations:

- To select the best practices which deserve to be disseminated
- To identify any gaps to be filled, priority areas to focus on,
- To monitor the trend of digitisation indices over time and across geographical areas.

premio
2022 Agenda Digitale
Emilia-Romagna



desier



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<https://digitale.regione.emilia-romagna.it/desier>