

ESA Contract No. 4000131356/20/NL/AF with TerrAria
srl

SPACE IN RESPONSE TO COVID-19 OUTBREAK

EPIC  **19**

EPIDEMIOLOGICAL AND LOGISTIC **COVID19** MODEL

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BACK END



FRONT END

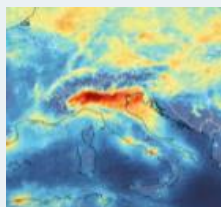
INPUT DATA

SATELLITE IMAGES
(NO₂/MOBILITY)

HEALTH DATA
(COVID19 CASES...)

SATEO

VHR



Classe di età	Valori assoluti		Rapporti		Rapporti di comparazione	
	Uomini	Donne	Uomini	Donne	Uomini	Donne
Men < 5	23.000	27.000	69.000	104,4%	4,88%	4,34%
5-9	24.000	23.000	47.000	104,3%	4,98%	4,44%
10-14	25.000	24.000	49.000	106,3%	5,28%	4,68%
15-19	26.000	25.000	51.000	106,0%	5,58%	4,82%
20-24	31.000	30.000	61.000	105,3%	6,43%	5,77%
25-29	37.000	37.000	74.000	100,0%	7,76%	7,24%
30-34	40.000	40.000	80.000	100,0%	8,30%	7,72%
35-39	40.000	40.000	80.000	100,0%	8,30%	7,72%
40-44	39.000	39.000	78.000	100,0%	7,96%	7,40%
45-49	37.000	37.000	74.000	98,5%	6,75%	6,32%
50-54	33.000	33.000	66.000	97,1%	6,04%	5,74%
55-59	28.000	28.000	56.000	95,6%	5,32%	5,04%
60-64	23.000	23.000	46.000	94,0%	4,59%	4,34%
65-69	20.000	20.000	40.000	92,2%	4,19%	3,94%
70-74	16.000	16.000	32.000	90,3%	3,32%	3,12%
75-79	12.000	12.000	24.000	88,0%	2,59%	2,42%
80-84	8.000	8.000	16.000	85,0%	1,88%	1,76%
85-89	4.000	4.000	8.000	82,0%	0,94%	0,88%
90-94	1.500	1.500	3.000	79,3%	0,37%	0,35%
95+	500	500	1.000	75,0%	0,13%	0,12%
Totale	481.800	518.200	1.000.000	93,0%	100,00%	100,00%

STUDIOMAPP
maps and apps for quality of life

SERVIZIO SANITARIO REGIONALE
EMILIA-ROMAGNA
Azienda Unità Sanitaria Locale di Reggio Emilia
IRCCS Istituto in tecnologie avanzate e modelli assistenziali in oncologia



Public health experts

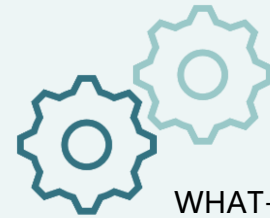
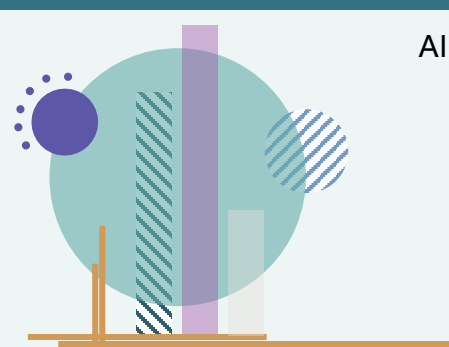


MONITORING
PAST, CURRENT AND FORECASTED
OUTBREAK DIFFUSION MAPS

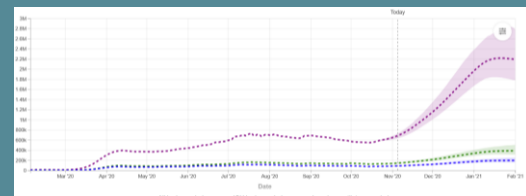
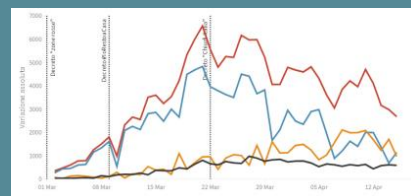
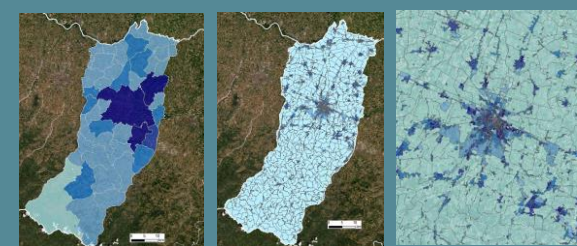
WHAT-IF HEALTH POLICIES SCENARIOS
(PAST, CURRENT AND FORECASTED)

EPIC¹⁹ ENGINE

AI EPIDEMIOLOGICAL MODEL

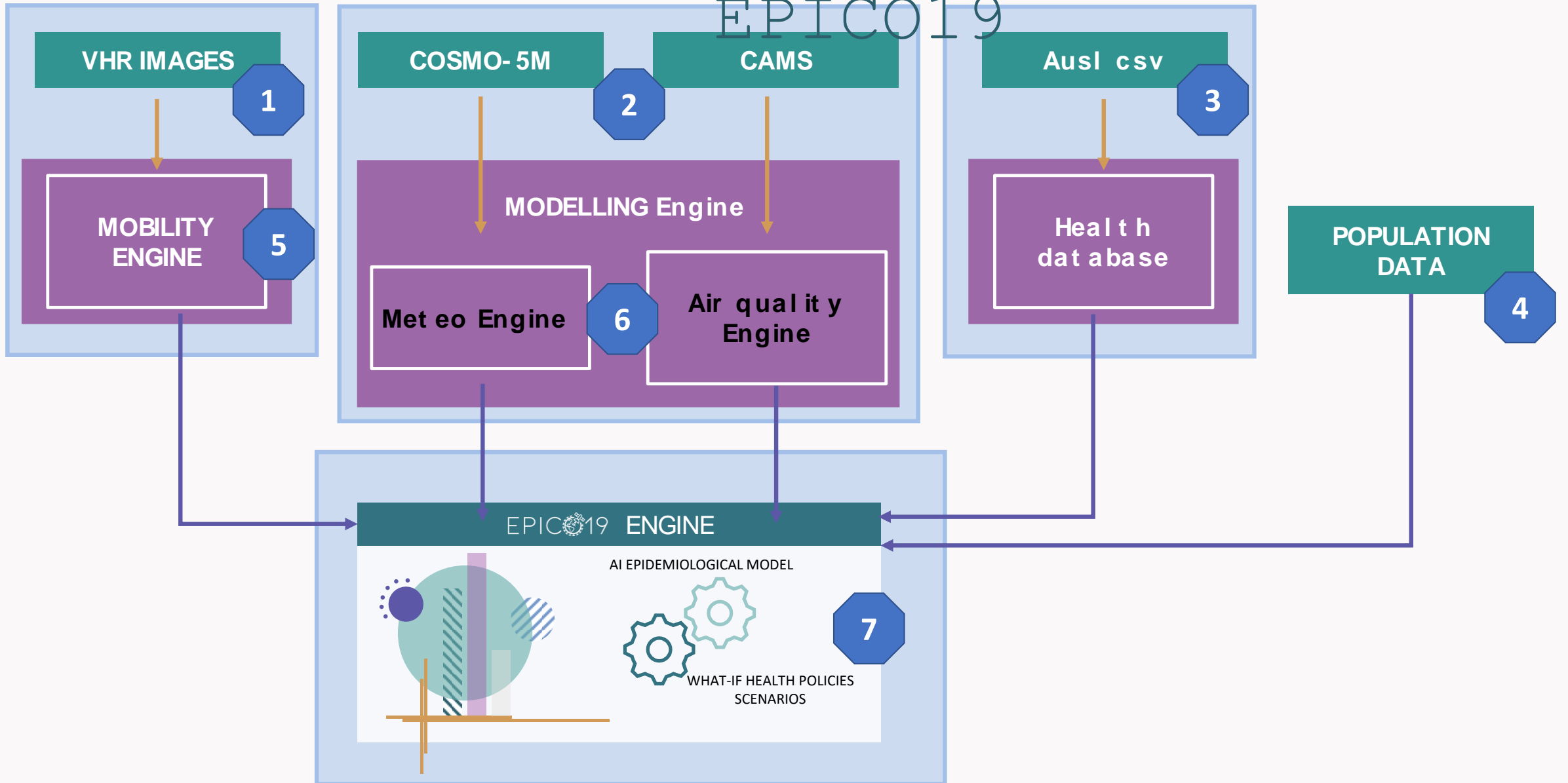


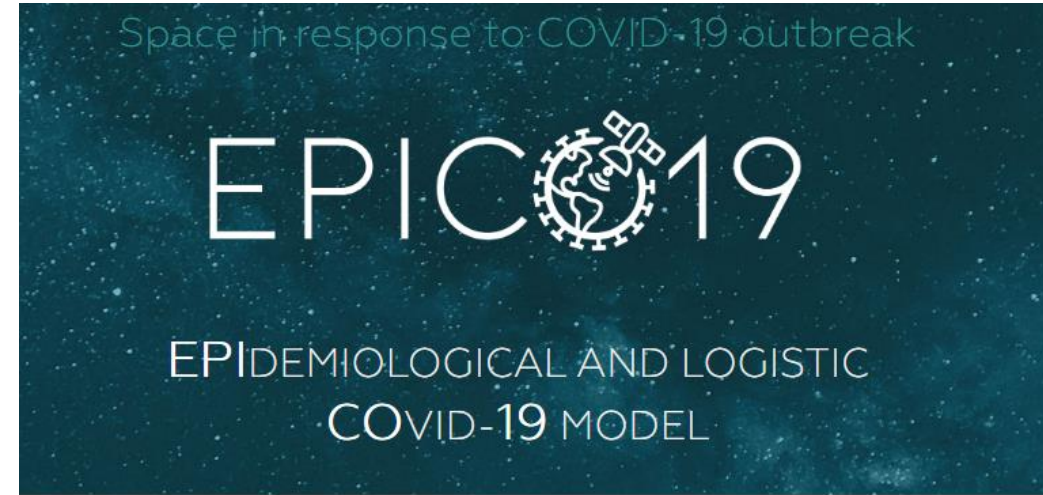
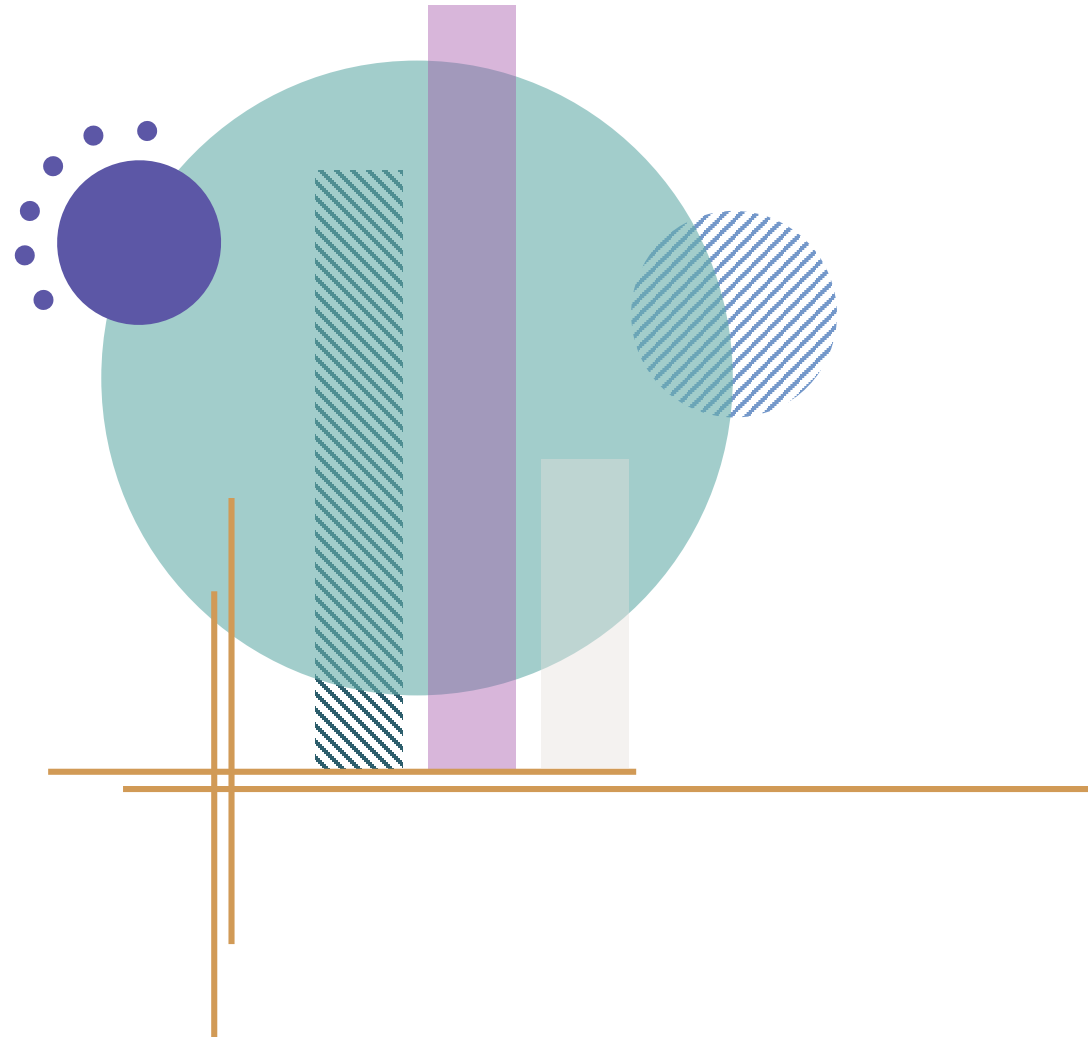
WHAT-IF HEALTH POLICIES SCENARIOS



Le componenti del motore di

EPIC¹⁹





Benvenuti
nel portale di servizi EPICO19
(Epidemiological and logistic
COvid-19 model)

Utente

Password

 Accedi

[Password dimenticata?](#)

<http://epico19.terraria.com/html/public/login.jsf>

Utente: *demo*

Password: *demo19*