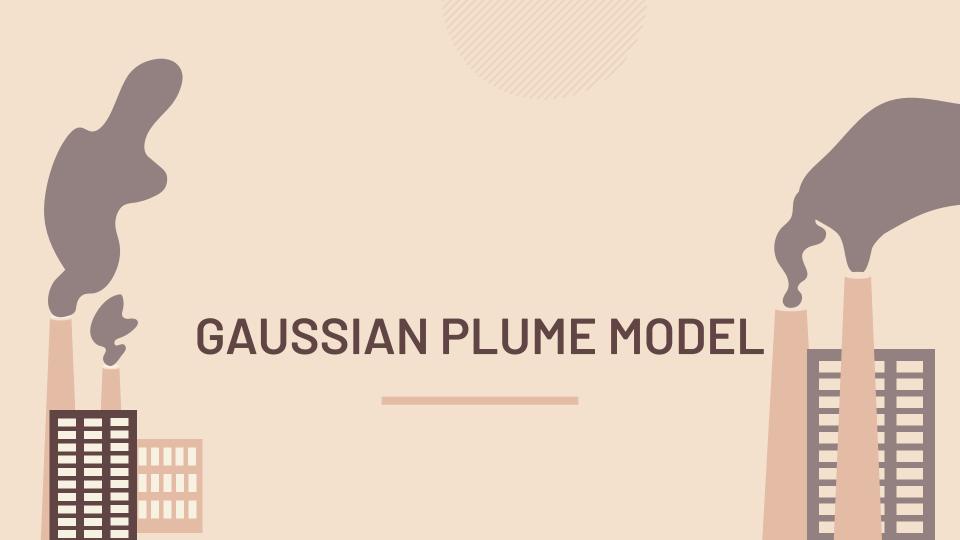
# Prezentacja 5

10.05.2023r.



#### STABILITY CLASSES

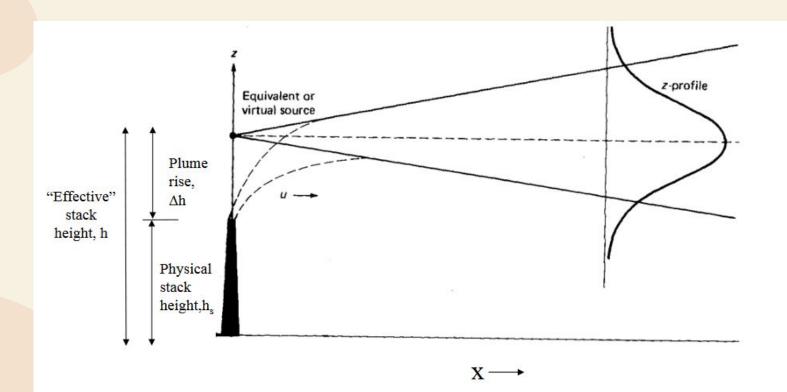
Wind speed	Solar insolation			Cloudiness	
	Strong* Moderate** Slight**		Cloudy	Clear	
<2	А	A-B	В	E	F
2-3	А-В	В	С	E	F
3-5	В	B-C	С	D	E
5-6	С	C-D	D	D	D
>6	С	D	D	D	D

<sup>\*</sup>Nasłonecznienie co najmniej 719W/m²

<sup>\*\*</sup>Nasłonecznienie 420-719W/m²

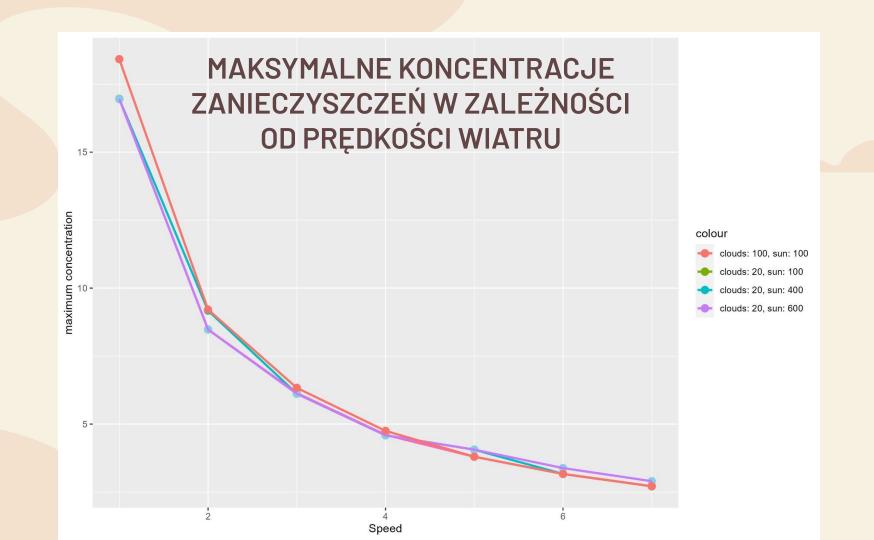
<sup>\*\*\*</sup>Nasłonecznienie 180-420W/m²

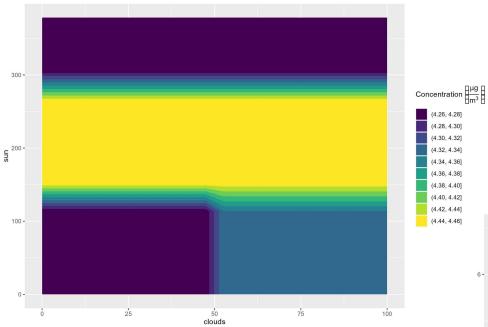
$$C(x,y,z) = \frac{Q}{2\pi u \sigma_y \sigma_z} \left[ \exp\left(\frac{-\left(z-h\right)^2}{2\sigma_z^2}\right) + \exp\left(\frac{-\left(z+h\right)^2}{2\sigma_z^2}\right) \right] \exp\left(\frac{-y^2}{2\sigma_y^2}\right)$$



# WPŁYW POGODY

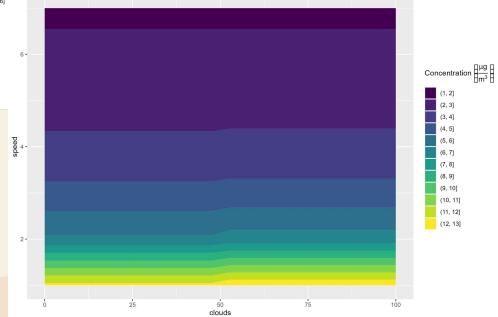
X	Y	Z	Н	Q
[0.01,1]km	[-10,10]m	1.7m	10m	0.01g/s





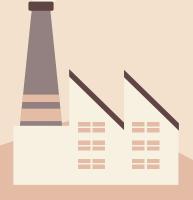
Speed	Sun	Clouds	
[1,7]m/s	100W/m <sup>2</sup>	[0,100]%	

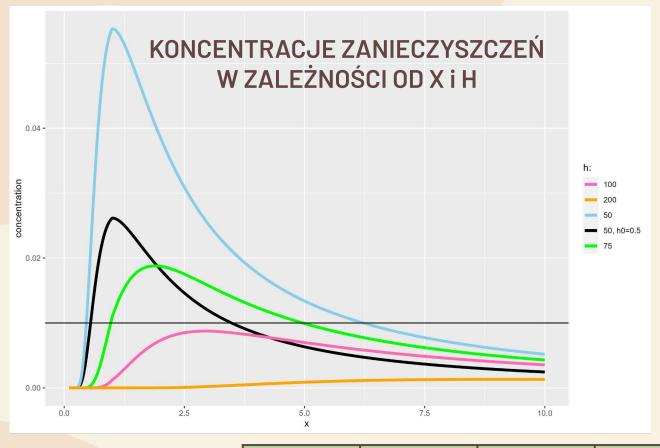
Speed	Sun	Clouds	
3m/s	[0,719]W/m <sup>2</sup>	[0,100]%	



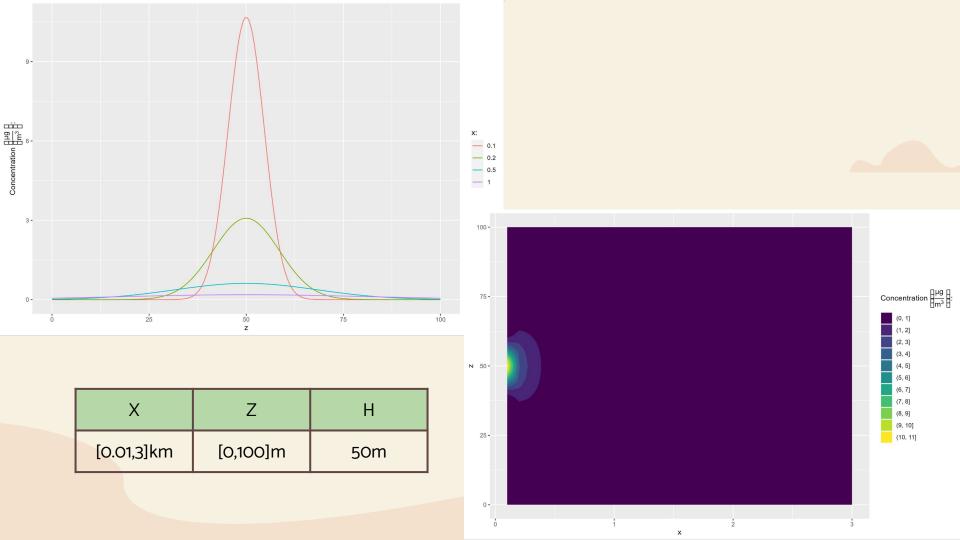


# MODEL W 2D



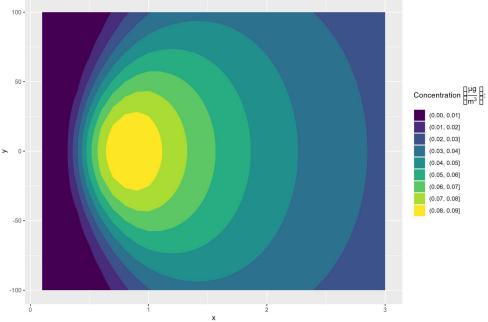


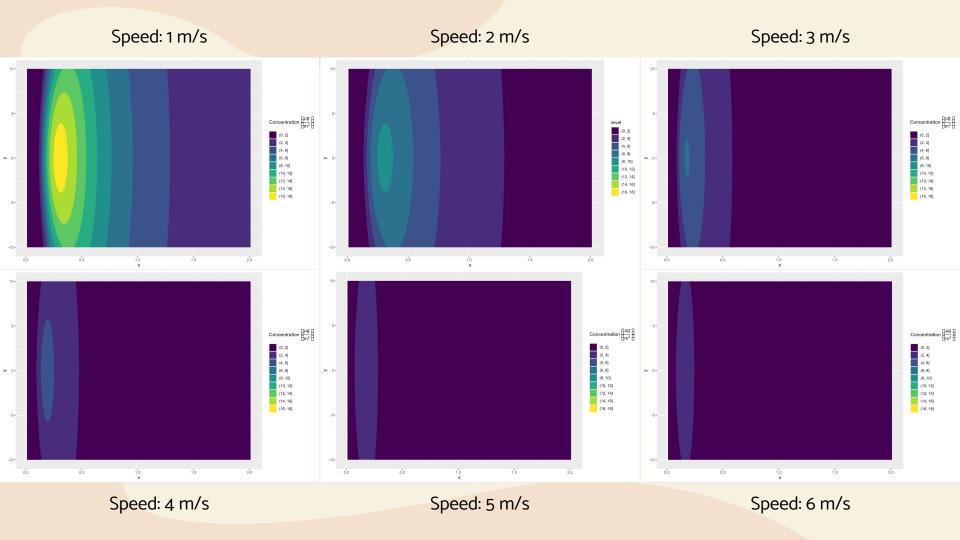
X	Y	Z	Speed	Sun	Clouds
[0.01,10]km	Om	Om	5.23m/s	70W/m <sup>2</sup>	74%

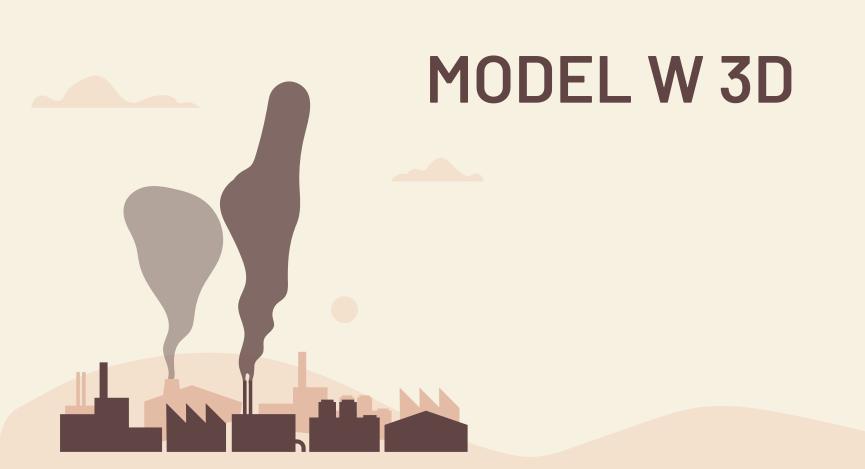


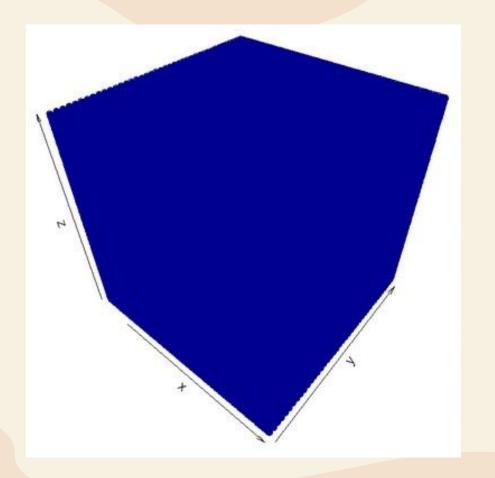


Y	Z	Н	
[-100,100]m	10 m	50m	

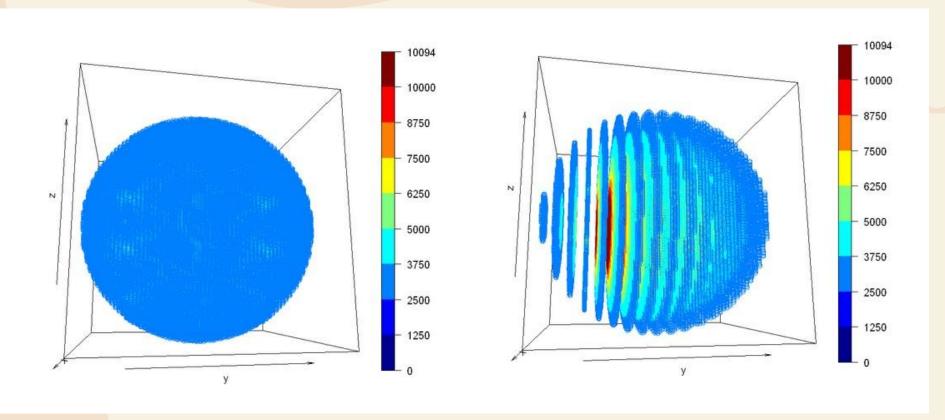




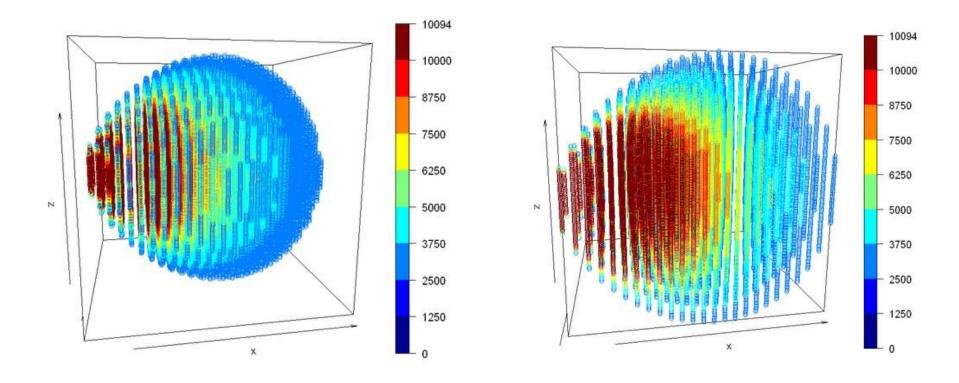




X	[0.01,1]km
Υ	[-50,50]m
Z	[0,20]m
Н	10m
Q	10g/s



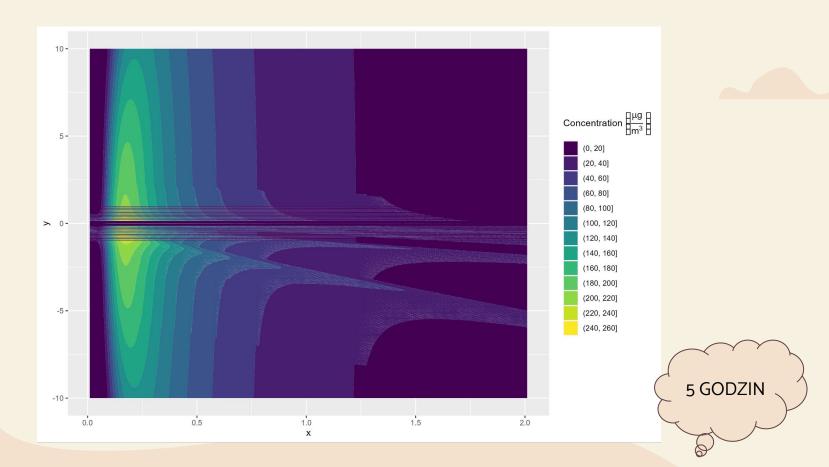
Koncentracja większa niż 3000µg/m³



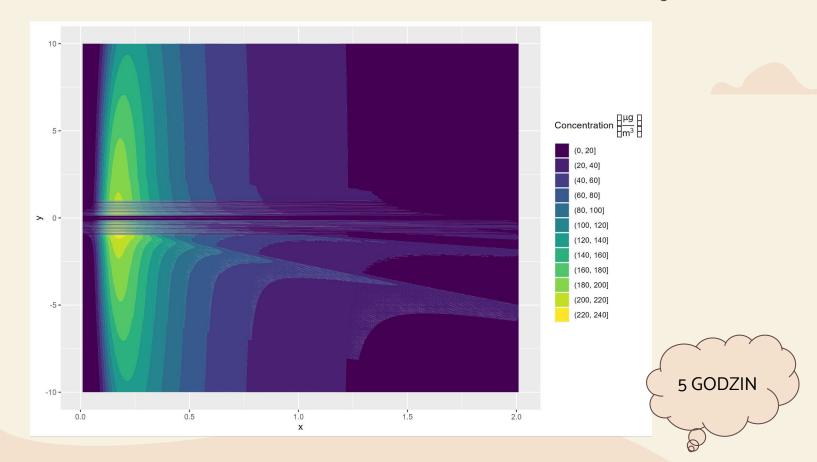
# ZACHOWANIE MODELU W CZASIE

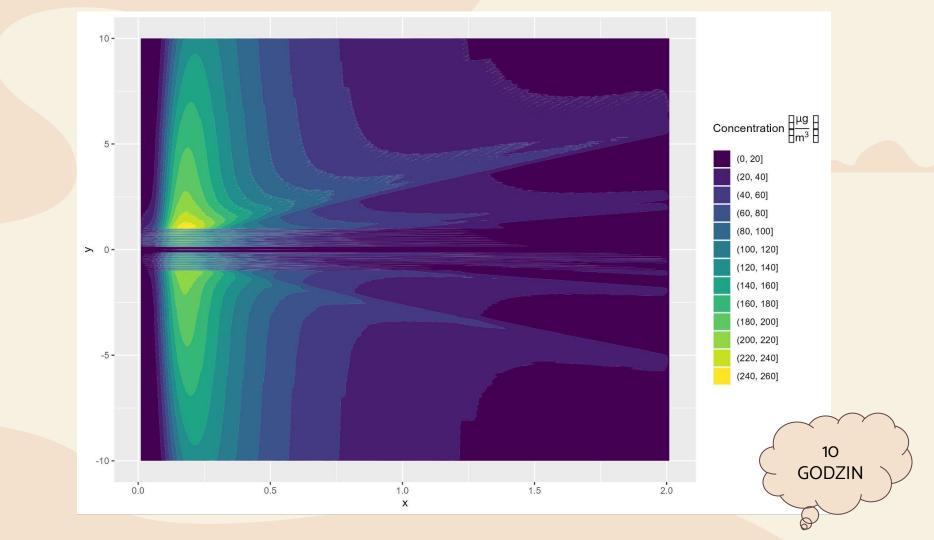
4	X	Y	Z	Н
	[0.01,2]km	[-10,10]m	2m	10m

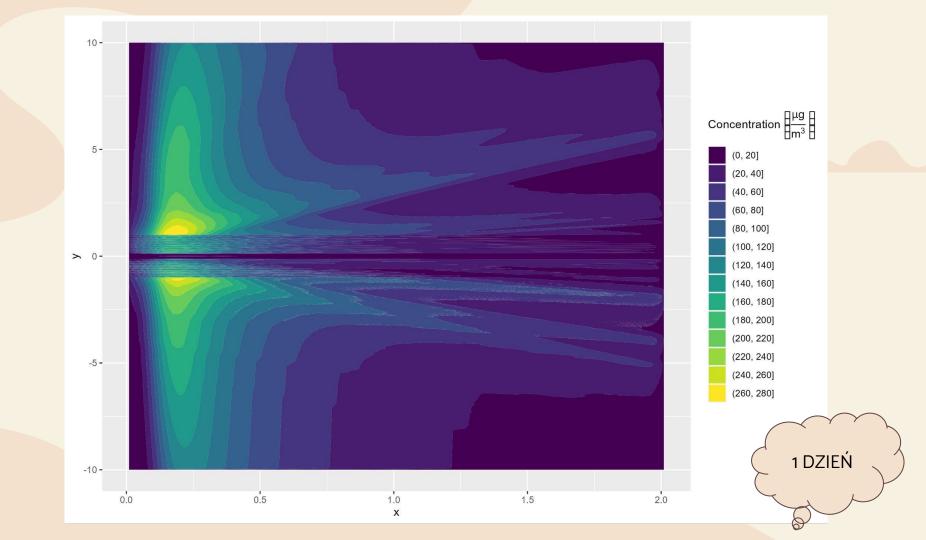
### NAKŁADANIE WYKRESÓW Z KILKU GODZIN

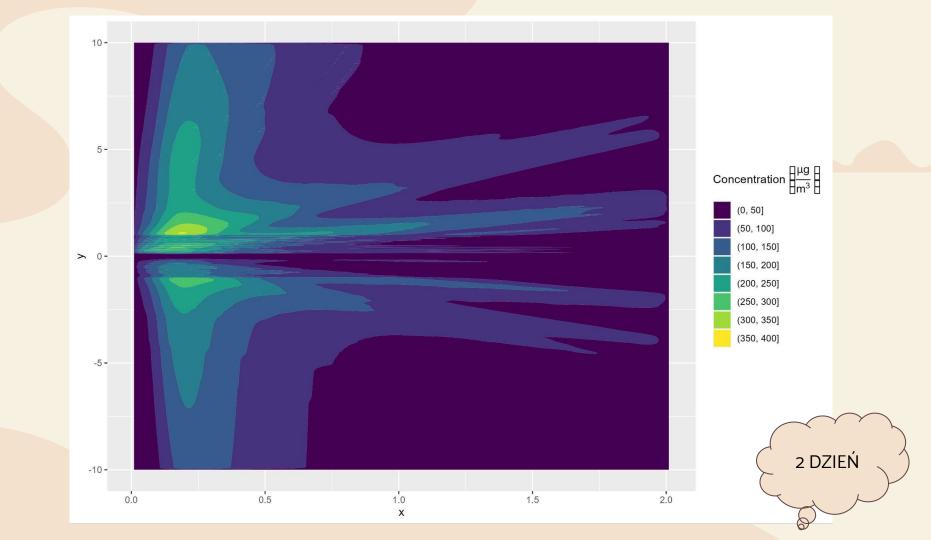


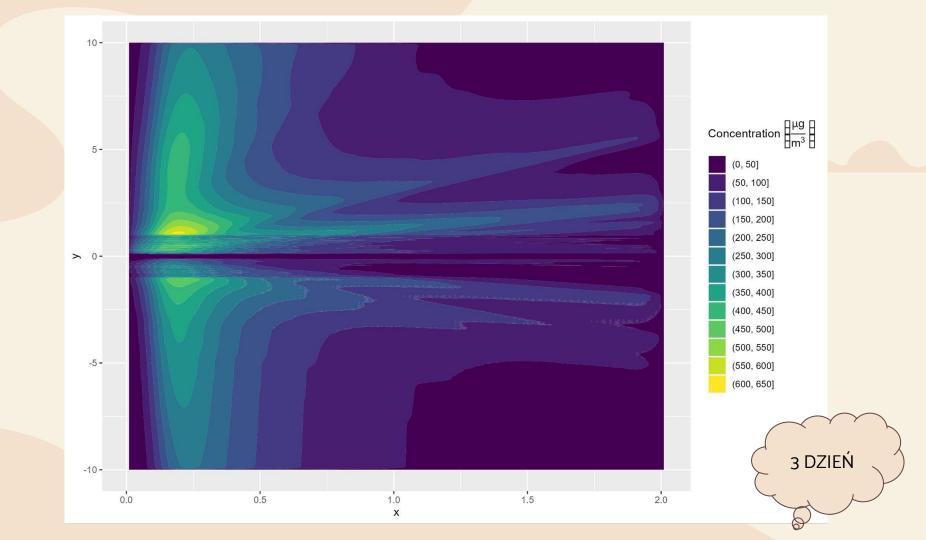
### **UŚREDNIANIE SIATKI CO GODZINĘ**

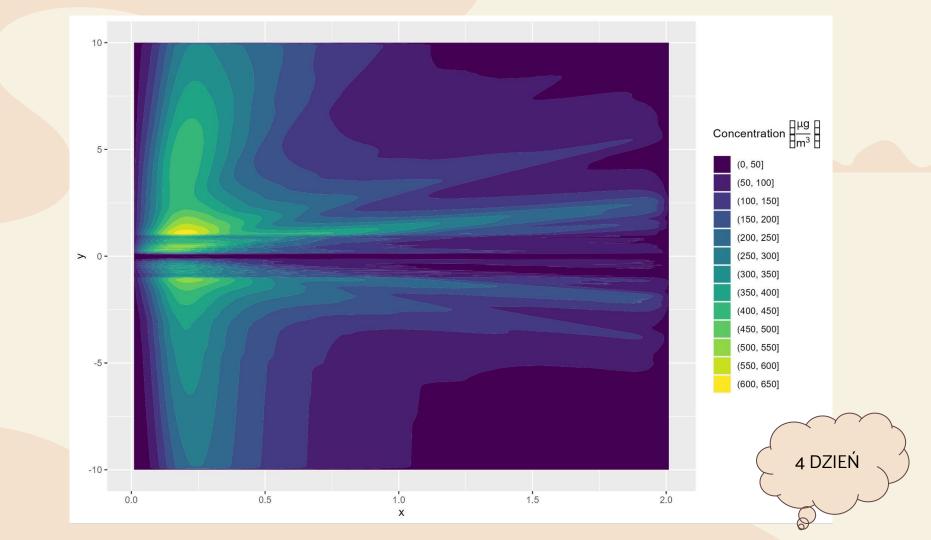


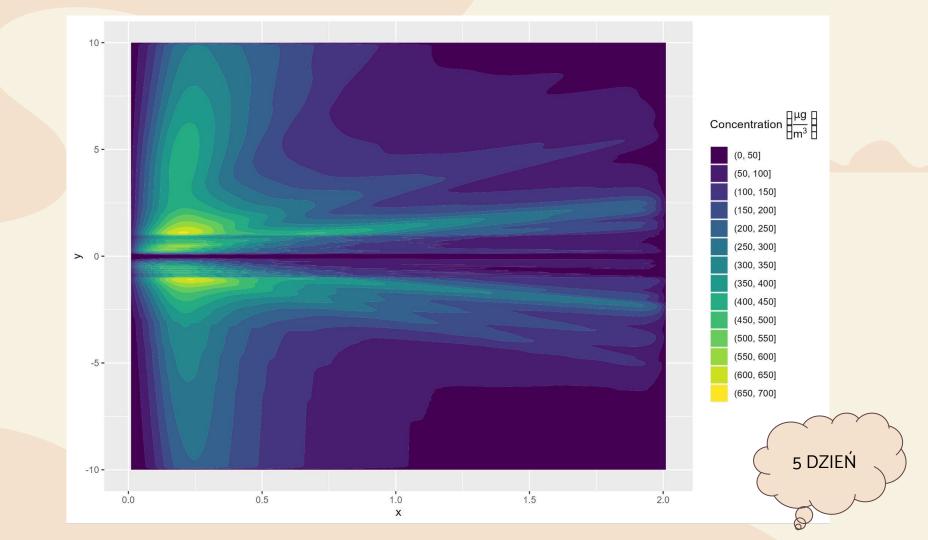


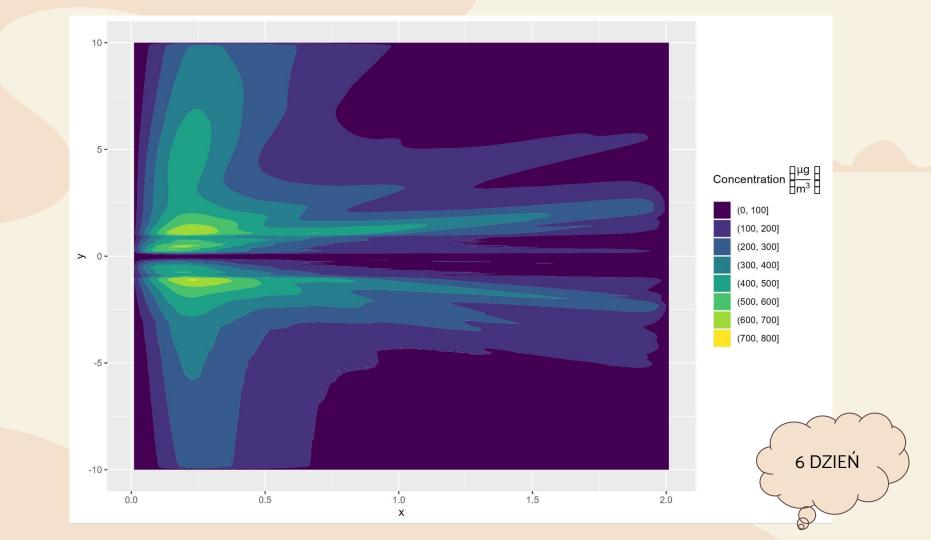


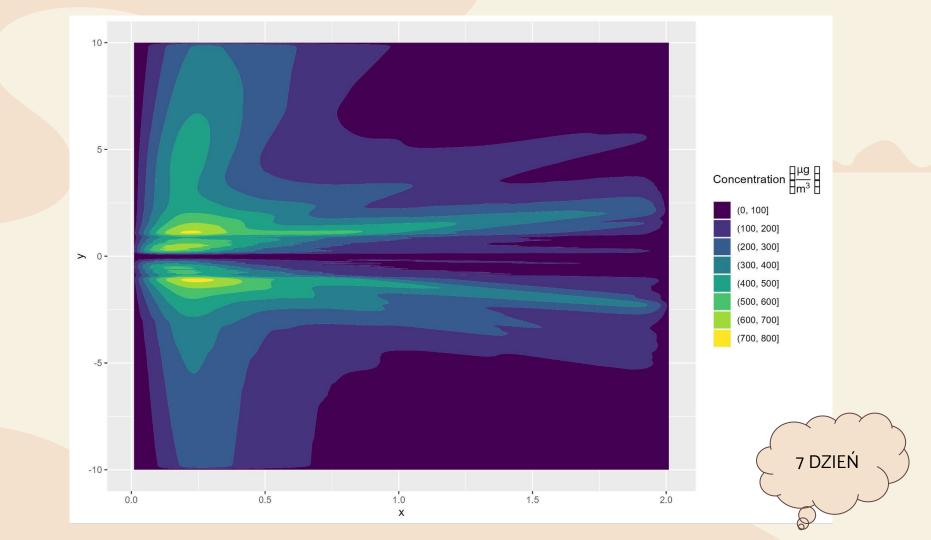












## DZIĘKUJEMY ZA UWAGĘ!

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Kamil Kowalski

