TECHNOLOGY FOR BETTER FUTURE

RISK ASSESMENT TOOL

FOR POLLUTION AND DUSTING

BY
SEADATA

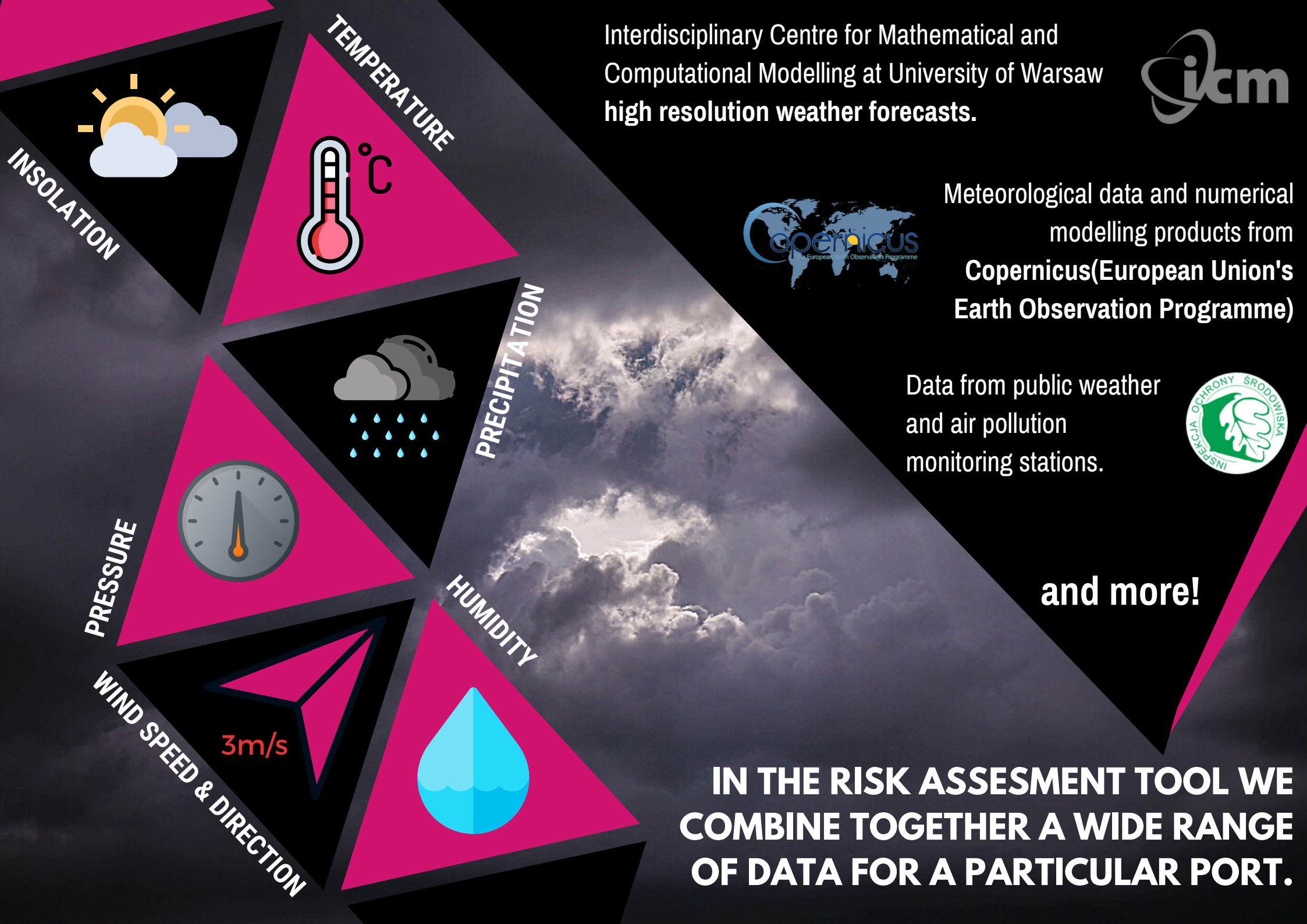
DATA ANALYSIS AT YOU SERVICE
UNDERSTAND THE CONNECTIONS BETWEEN WEATHER AND POLLUTION

WEATHER CONTROLS THE POLLUTION LEVELS AND DUSTING

ANALYSE/PLAN/ASSES ITS IMPACT

We provide you with the tool that combines meteorological observations, weather forecasts and data analysis to determine whether current (and future) conditions might favor high pollution concentrations or increased risk of dusting.

FIND THE REASONS BEHIND HIGH LEVELS OF PARTICULATE MATTER IN WINTER AND DETERMINE WHERE THE SOURCE OF DUSTING MIGHT BE LOCATED.



Interdisciplinary Centre for Mathematical and Computational Modelling at University of Warsaw **high resolution weather forecasts.**

Meteorological data and numerical modelling products from **Copernicus(European Union's Earth Observation Programme)**

Data from public weather and air pollution monitoring stations.

and more!

IN THE RISK ASSESMENT TOOL WE COMBINE TOGETHER A WIDE RANGE OF DATA FOR A PARTICULAR PORT.

ALL OF COLLECTED DATA IS ANALYSED AND VERIFIED DAILY.

THE RISK OF DUSTING AND **THE RISK OF HIGH POLLUTION** ARE SOMETIMES RELATED BUT VERY OFTEN ARE INFLUENCED BY DIFFERENT PROPERTIES OF THE ATMOSPHERE.

IN SOME CASES THE SAME WEATHER CONDITIONS MAY FAVOR DUSTING (LARGER PARTICLES) AND DECREASE SMALL PARTICULATE MATTER CONCENTRATIONS.

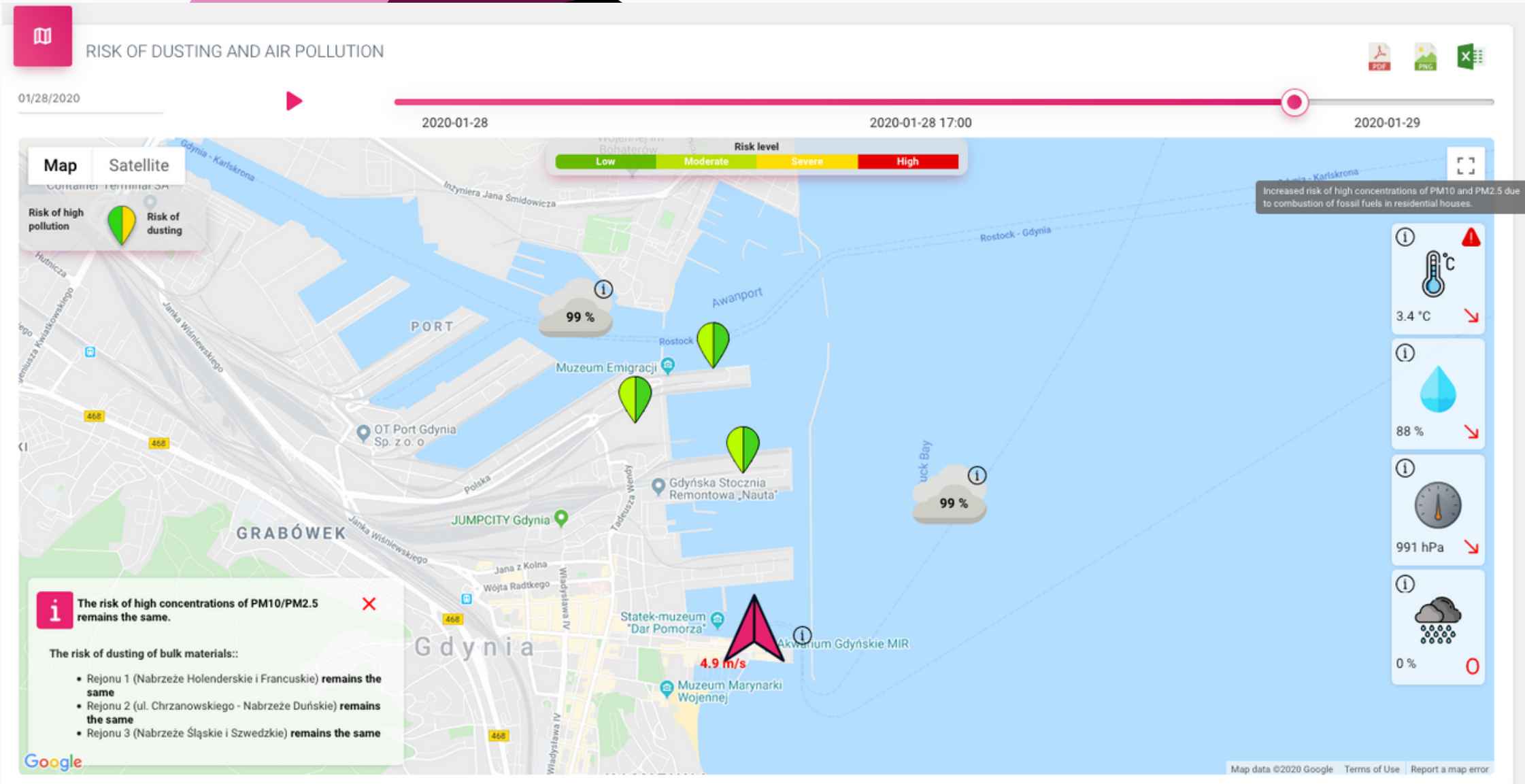
THATS WHY IN OUR SYSTEM THEY ARE SEPARATED.

THE TOOL

interactive

easy to use

quick assessment



the hourly output from the risk assessment algorithm for both dusting and pollution accumulation

information whether the temperature, wind speed, air pressure etc. is going to increase, decrease or remain the same

warnings, based on the conditions from 3 hours, that inform clients whether current weather favors dusting or high pollution or maybe decreases the risk

learn about the influence that every one of displayed atmospheric properties might have on the concentrations of PM and dust in the air

RISK OF DUSTING AND AIR POLLUTION

27/01/2020

January 2020

MO	TU	WE	TH	FR	SA	SU
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2
3	4	5	6	7	8	9

2020-01-27 2020-01-27 17:00 2020-01-28

check the tool's features and forecasts for a date back in time

use slider to check out the foreacsts for 24 hours

download current view and predictions as pdf, png or xls file

POLLUTION IN THE FORM OF PM2.5,PM10,PM100

IS EMITTED IN LARGE AMOUNTS

IN EVERY CITY AND PORT

EVERYDAY

PRESENTED TOOL HELPS THE AUTHORITIES TO

- **IDENTIFY THE SOURCES OF DUST/POLLUTION**
- **ASSES WHEN THERE IS A RISK OF HIGH POLLUTION AND ACT ACCORDINGLY**
- **PREVENT THE EVENTS OF DUSTING IN THE PORT**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