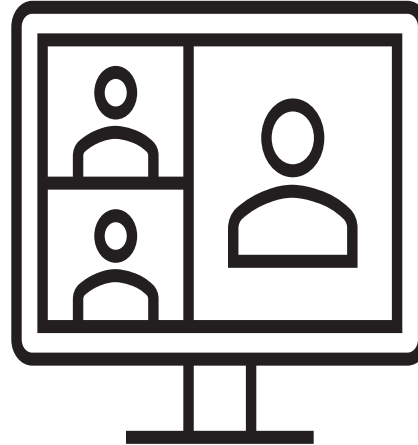# Breakout groups working session

Fairmode WG3 training session
Bologna and online, 31 May 2023

Lina Vitali, Antonio Piersanti, Alexandra Monteiro
Kees Cuvelier, Carla Gama, Philippe Thunis

1 "PHYSICAL" ROOM

✓ people present in person (Lina)

3 ONLINE ROOMS
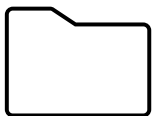
✓ Beginner (Philippe)

✓ Intermediate (Carla)

✓ Advanced (Kees)

One of the <u>trainers will be present in each room</u> to help and to answer to possible technical questions

Theoretical or more general questions ---> Questions & Answers session (14.40 -15.30)

TASK → *personal applications and tests on what learnt during the morning*

materials.zip

ApplicationExamples

Exercises

DELTA_UserGuide_V7_0

FARMODE-WG3-training_20230531_Agenda_final-shared

ApplicationExamples

📁 output

📄 ApplicationExamples

> **ApplicationExamples** contains the materials used this morning: the doc file describing all the applications carried out and the output directory containing the corresponding outputs (plots and data files)

FAIRMODE WG3 training session - 31 May 2023

DEALTA TOOL FORECAST PLOTS APPLICATION EXAMPLES (on demo dataset)

FORECAST TARGET PLOT

1) One model, all stations, Single mode

Data selection
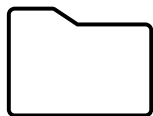
MOD1, PM10, all stations, Single mode

Analysis

Target (Assess&Forecast)/Forecast_Target Plot (OU) O3/NO2/PM

Extra Values=50#0#   Time Avg= preserve (none)   Daily stats= Mean

Execute

Exercises

> **Exercises** *contains the material for afternoon work. In the doc file 18 exercises are proposed, together with the list of the recommended exercises, according to attendees' declared level*

output

Exercises

DEALTA TOOL FORECAST PLOTS EXERCISES (on demo dataset)

Exe. num.	Elaboration	Pollutant	Model	Single/Group	Stations	Time period
1	Forecast Target Plot	O3	MOD1	Single	all	whole year
2	Forecast Target Plot	NO2	MOD&MOD2	Single	urban stations	whole year
3	Forecast Target Plot	NO2	MOD1	Group by Regions	all	whole year
4	Forecast MPI Plot	PM10	MOD2	Single	all	whole year
5	Forecast MPI Plot	O3	MOD1	Single	all	Summer
6	Forecast Summary Report	O3	MOD2	Single	all	whole year
7	Forecast Summary Report	O3	MOD2	Single	EMR stations	whole year
8	Forecast Summary P-Normalized Report	PM10	MOD1	Single	all	whole year
9	Forecast Summary P-Normalized Report	PM10	MOD1	Single	valley stations	whole year
10	Forecast Threshold Performance Plot	O3	MOD1&MOD2	Single	plane stations	whole year
11	Forecast Threshold Performance Plot	O3	MOD1&MOD2	Single	plane stations	Summer
12	Forecast Threshold Normalized Performance Plot	PM10	MOD1&MOD2	Single	all	whole year
13	Forecast Threshold Normalized Performance Plot	PM10	MOD2	Single	plane stations	Winter
14	Forecast Bar Plot - Accuracy	O3	MOD2	Single	valley stations	whole year
15	Forecast Bar Plot – POD&SR	PM10	MOD1	Single	rural plane stations	whole year
16	Forecast Bar Plot – POD	PM10	MOD1&MOD2	Single	rural plane stations	whole year
17	Forecast AQI Plot	O3	MOD2	Single	valley stations	whole year
18	Forecast AQI Plot	PM10	MOD1	Group by Area Type	all	whole year

RECOMMENDED EXERCISES

BEGINNER USERS:	1, 4, 8, 15, 17
INTERMEDIATE USERS:	2, 5, 6, 10, 17
ADVANCED USERS:	3, 5, 9, 13, 18

ENEA
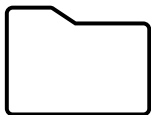
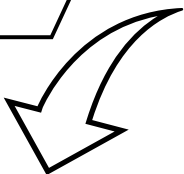universidade de aveiro
theoria poiesis praxis

Exercises

Exercises contains the material for afternoon work. In the doc file 18 exercises are proposed, together with the list of the recommended exercises, according to attendees' declared level

output

Exercises

dumpfiles

plots

All the expected outcomes are provided for personal check

FAIRMODE WG3 training session - 31 May 2023

DEALTA TOOL FORECAST PLOTS EXERCISES (on demo dataset)

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INTERMEDIATE USERS: 2, 5, 6, 10, 17

ADVANCED USERS: 3, 5, 9, 13, 18

lina.vitali@enea.it

AVAILABLE FOR QUESTIONS & SUPPORT