

Using AIRPACT for AIR-QUALITY FORECASTING SUPPORT:
 Navigating and Understanding AIRPACT.
 Webinar Recordings by Joe Vaughan
 WSU/VCEA/CEE/LAR

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These recordings are based on a presentation at the NW-AIRQUEST meeting of June, 2020, on navigating and understanding the AIRPACT5 webpages. Useful resources include:

- AIRPACT5 web-pages at <http://www.lar.wsu.edu/airpact>, including
- http://www.lar.wsu.edu/airpact/AP5_what_should_I_look_at_2020.pdf.
- A presentation 'http://www.lar.wsu.edu/nw-airquest/docs/20200610_meeting/NWAQ_20200609_1515_Vaughan_training.pdf', and a Cheat Sheet available at that same location.

Training Recordings

#	Length mm:ss	About	Link	Comments	Corrections/Etc.
1	0:20	Introduction	1_Intro		
2	2:44	Topics	2_Topics	Maps topics to cover to slides in ppt (above).	
3	1:27	What AIRPACT is	3_What_It_Is		
4	1:09	Domain	4_Domain	Grid cells are spaced at 4 km and cells are 4 km by 4 km. This is not a 4-km 'resolution', although this is a common usage.	Gridlines don't outline Grid Cells.
5	2:47	AIRPACT Framework	5_Framework	Orientation to system design	
6	5:26	Products on website	6_Web-products	Orientation to web-pages	
7	3:11	Live tour of Homepage	7_Live_Homepage	Begins 'Live Demonstration'	Said 'Next...' but first a digression...
8	2:44	Digression on use of AIRPACT5 for AQ forecasting	8_Digression_forecasting	Any use of AIRPACT for forecasting must take performance into account.	

9	7:58	The smoke forecast, & navigating any such maps.	9_Smoke_forecast	Demonstrates navigation of the surface layer animations. Note the dynamic Lat & long readout just outside SE corner of Google Map.	Gridlines displays lines connecting cell centers, do not outline cells.
10	7:55	Boundary Conditions, 2-D plots showing chemistry for O3, CO and PM2.5 along vertical boundaries on N, S, E and W sides of the domain.	10_Boundary_Conditions	All preceding topics concerned 2-D surface layer, but these next two topics go into 3 rd dimension, AQ aloft. In combination with wind data this can be useful for considering the significance of long range and trans boundary transport.	While we only display 3 species {O3, CO and PM2.5}, BCON contains 59 species.
11	4:09	Curtain Plots	11_Curtain_Plots	See note in above row.	While we only display 3 species {O3, CO and PM2.5}, BCON contains 59 species.
12		Performance Plots, Two-ways: 2-D animations & performance page	12_Performance_Plots	Performance is critical to interpreting AIRPACT results for forecast use.	
13		KFBC and ML products	13_Beyond_AIRPACT5	All topics above describe deterministic results. These products are not deterministic in the sense that they use recent observations.	

Who would like to review one or more of these before they are posted online?
(Who would like to assign reviewing such to someone else?)

Jen Hinds has already created a page using the above table for access to these once they are posted to YouTube or another similar service.

Perhaps NW-AIRQUEST would like to record a webinar about the organization's history to post online?