

Land DA Workflow Demo

Notes & Updates

Since the Land DA Workflow demo was recorded, some changes have been merged to the `develop` branch of the [land-DA_workflow](#) repository. These changes may result in different output or options for users.

- **0:25** – Since [PR #133](#), Land DA can also run on Hercules (in addition to Orion and Hera).
- **6:30** – The list of files in the `land-DA_workflow/src` directory has changed since the recording. The vector-to-tile converter code (`vector2tile_converter.fd`) and the land driver (`ufsLand.fd`) were removed in [PR #129](#).
- **7:52** – The list of executables has changed. The vector-to-tile converter (`vector2tile_converter.exe`) and the land driver (`ufsLand.exe`) were removed in [PR #129](#), so users will see only three executables in the `land-DA_workflow/exec` directory:
 - `apply_incr.exe`
 - `tile2tile_converter.exe`
 - `ufs_model`

Additionally, the “tile2vector executable” mentioned at 7:58 was a verbal slip; the speaker meant to say “tile2tile executable.”

- **12:50** – Currently, the option for ERA5 data has been removed. However, there are plans to add this back in the future.
- **13:39** – The ERA5 sample case mentioned in the tutorial was removed in [PR #129](#). However, users may still change the cycle date, if desired, and use GSWP3 data for the new cycle date.
- **20:43** – The directory structure has changed slightly since [PR #129](#). See the [Land DA Documentation](#) for the updated directory structure.
- **21:13** – Under `ptmp (<PTMP>)`, the directory structure image shows `<envir> (<OPSR00T>)`. Note that the default value for this directory is `test`, which is mentioned in the demo.

NOTE: This video demo shows a successful run of the Land DA System. However, if something goes wrong when running Land DA, users should check the log files for the failed (or DEAD) task. These files will include error messages that can help users to identify the problem. As of [PR #129](#), the default location for log files is `$LANDDAROOT/ptmp/test/com/output/logs`. Users can refer to the [directory structure diagram](#) in the Land DA documentation for any updates to this location.