Scripts for GCBM-FLINT Course Videos

9th Slide

As I mentioned before it makes the FLINT very scalable, but it does make certain problems very difficult for it to handle.

We cannot deal with awareness of neighboring pixels so we cannot work with fire spread, and we do not really know the exact location of rule-based disturbances.

10

This is a very high-level overview of what the event-driven system looks like. Basically the current pixel data is run through the spatial layers in the database and then it goes to the event sequencer and that's what is firing those life cycle events things like timing init, timing step start, timing step end and the output.

And then all the science models are subscribed.

11

One of the examples of our modules is the growth module. It subscribes to three of those system events, the simulation start- loads the root biomass equation, each time a pixel is loaded, it loads dead organic matter turnover rates and the timings step is going to load or process the current growth curve.