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comment

Interactive comment on "BEATBOX: Background Error Analysis Testbed with Box Models" *by* Christoph Knote et al.

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Dear Lutz,

there is only one release of the BEATBOX code, which is the `beatboxtestbed` Python package currently hosted on PyPi.

I agree that the installation procedure is somewhat confusing at the moment, due to the following reasons:

- We tried to be good Python citizens, hence we published all Python packages we created for the BEATBOX framework on PyPi.

- PyPi hosts packages, but not documentation, which we hence put on our website

at https://boxmodeling.meteo.physik.uni-muenchen.de/documentation/.

- BOXMOX, the underlying chemical box model is not a Python package, but a standalone Linux executable. It is hence not distributed through PyPi, but directly through our website at https://boxmodeling.meteo.physik.uni-muenchen.de/downloads.html

- A Python wrapper package for BOXMOX (aptly named `boxmox`) was created to use BOXMOX from within Python

The BEATBOX framework therefore consists of the BOXMOX chemical box model, a Linux executable to be installed from our website, and a number of Python packages to be installed from PyPi (using `pip`, the de factor standard to install Python packages).

To install the full framework:

1. Install BOXMOX from our website

2. Install the python packages using pip

Given that you have a reasonably recent Python 2.x version, with numpy and matplotlib packages installed, the second step should boil down to a single

```
pip install beatboxtestbed
```

command.

I hope this clarifies the current code distribution setup, please let me know if further problems arise. In the meantime we will work on improving the situation and explore the best way to provide DOI-ed persistent source code access for the final release, given our manuscript is accepted for publication in GMD.

Best regards, Christoph

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Discussion paper