**Python API Package Project Charter**

**Lead**: Andrea Batch

**Team Members:** Andrea Batch, Brian Quistorff

**Last Updated**: 3/8/2022

# **Objective**

To build a python package to download data from the BEA API – Python is the most popular Data Science language and we want to make it easier for Python users to consumer our data by providing an official, full-featured, and up-to-dated package to download the data.

This aligns with Mission Goal 3 (“Customer Service”) – Objective 2 (“Dissemination”)

# **Background**

BEA already produces an R implementation and we will use this as the starting point for the initial version. There is a user-developed Python package, but it lacks features, has bugs, and is not updated. We will use it for Python-specific design ideas.

# **Project** **Scope**

* Coordinating with API maintainer (clearing up our understanding, reporting bugs)
* Developing package
* Write documentation (README, API, and how-to guides)
* Write test-suite
* Publish externally (Approval process and where to host things)

# **Team and Roles**

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| --- | --- | --- | --- |
| Member | Role in Team | Current BEA Role | Reports to |
| Andrea Batch | Lead contributor—Primary coder | Economist, OCE | Abe Dunn |
| Brian Quistorff | Project manager—keeps team on track, coordinates work and deliverables | Research Economist, OCE | Abe Dunn |

# **Timeline and Deliverables**

* [3/1/2022] Basic Package functionality and basic test-suite
* [3/14/2022 – “Py Day”] Initial Internal Release and Presentation – Should include documentation.
* [Q2 2022] Release candidate – Core functionality needed for a public release (e.g., common data reshaping) and comprehensive test suite (check with all options on all BEA tables).
* [Q2 2022] Submit for approval for public release (work with OCIO).
* [Q3 2022] Public Release – Coordinate with communications to publicize release. Release code on public GitHub repo. Publish built package on PyPI. Find outlet for publishing docs (GitHub pages or readthedocs)