

A faint, dotted world map serves as the background for the slide.

Overall Process, Replicability and Transparency of ICP Results

ICP Global Office

5th Meeting of the ICP Technical Advisory Group
February 20-21, 2019, Washington, DC

Content

- **Recap:** Data Management Enhancements and Transparency Improvements
- Computation Task Team **Updates**
- Computation Data Flow **Updates**



Recap: Data Management
Enhancements and
Transparency Improvements

Data Management Enhancements (1)

Continued use of data management enhancements:

- A collaborative online **item list management tool** (ILMT), building on Eurostat's tool [for ICP 2020]
- **Data and metadata submission standards/forms** [for ICP 2017]
- A central **data and metadata management system**, building on the WBG's long-standing data systems [for ICP 2017]
- New **quality assurance approaches** utilizing visualizations [for ICP 2017]

Data Management Enhancements [2]

Continued development of further enhancements:

- New collaborative online **quality assurance tool**, building on Eurostat's tool [for ICP 2020]
- **Result dissemination platforms**, building on the WBG's long-standing data dissemination systems [for ICP 2017]
- Online **researcher data access** system, for access to unpublished results, data and metadata [for ICP 2017]
- ICP **Github**, for storing and sharing ICP processing codes (STATA and R) [for ICP 2017]

Transparency Improvements [1]

Continued work of the ICP Computation Task Team (COTT) to:

- Undertake parallel computations of ICP results for added quality assurance and transparency
- Ensure documentation & replicability of ICP results
- **Calculation of results:** Miriam, Robert (H), Robert (I), Sergey, Yuri / + **Intermediate inputs:** Alan, Francette, Paul, GO

COTT has held **two virtual meetings** (Sep 2019; Nov 2020) and frequent email communications to agree on and resolve various computational issues

Transparency Improvements [2]

A few key COTT work arrangements:

- Joint review of the **COTT input data**
 - All COTT members receive the same input data and information simultaneously
- Independent production + review of **intermediate results** [2011 & 2017 LFs; PAFs]
- Independent production + review of **full set of results** [2011 & 2017 global results]
- Independent production + review/assessment of **PPP timeseries** and **imputed PPPs**

Transparency Improvements [3]

Key COTT outcomes to date include:

- Meeting minutes detailing various agreements
- Calculation notes provided to the TAG
- Set of [converged] results
 - Phase II results [TAG04]
 - Phase II results [post-TAG04]
 - Phase III results [post-TAG05]
- Transparent calculation code(s) [in progress]

Improving Data Management Processes

- **Bettina Aten & Eric Figueroa** continue to review and provide advice and suggestions for improving the global data management processes



Process Flow

Phase II Post-TAG

Phase III

PHASE II Post-TAG

Oct 2019

4th TAG meeting to
review Phase II results

November

December

PHASE III

Dec 2019 –
Jan 2020

February

PHASE II Post-TAG

Oct 2019

4th TAG meeting to review Phase II results

PHASE II Post-TAG

November

Virtual COTT meeting:
COTT & GO review
estimation methods

GO distributes
Phase II COTT file

COTT reviews
(no comments)

December

PHASE III

Dec 2019 –
Jan 2020

February

PHASE II Post-TAG

Oct 2019

4th TAG meeting to review Phase II results

PHASE II Post-TAG

November

Virtual COTT meeting:
COTT & GO review
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GO distributes
Phase II COTT file

COTT reviews
(no comments)

December

COTT members estimate
- PAFs and LFs
- PPPs and Real Exp's
- Interpolated PPPs

GO reviews

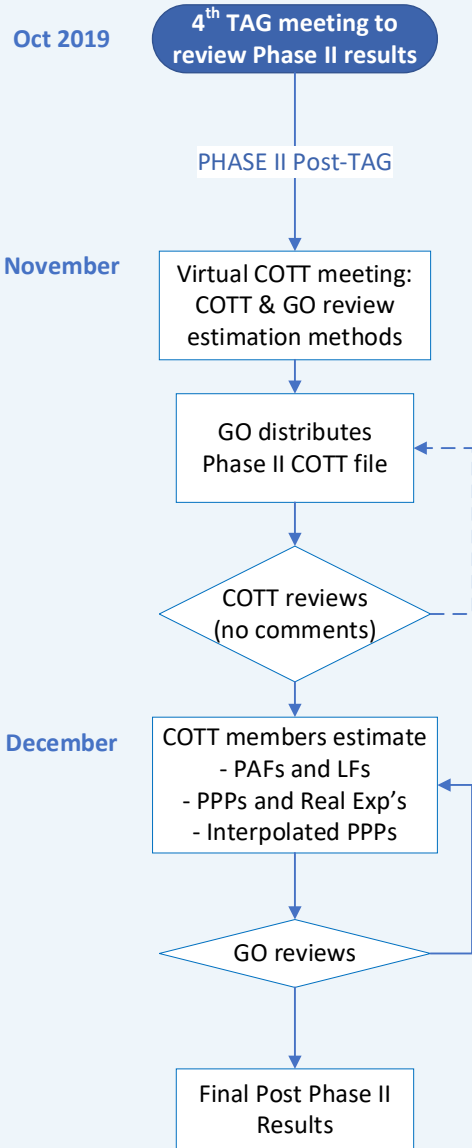
Final Post Phase II
Results

PHASE III

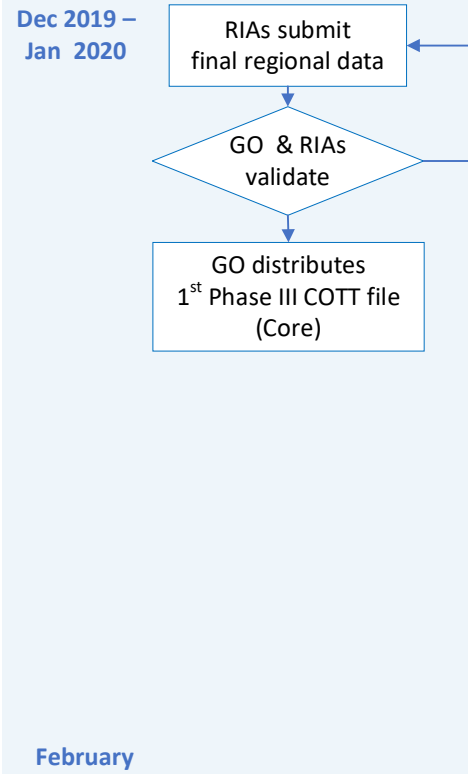
Dec 2019 –
Jan 2020

February

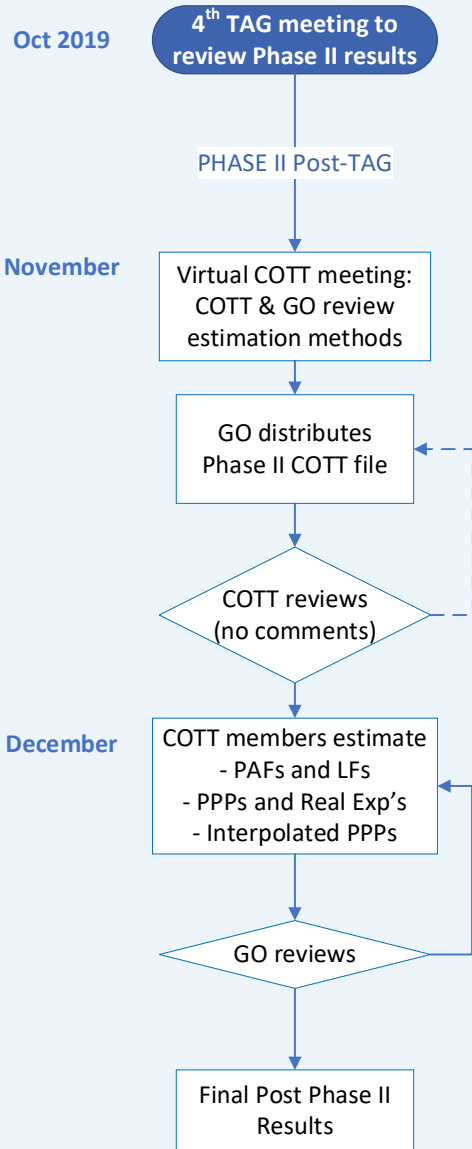
PHASE II Post-TAG



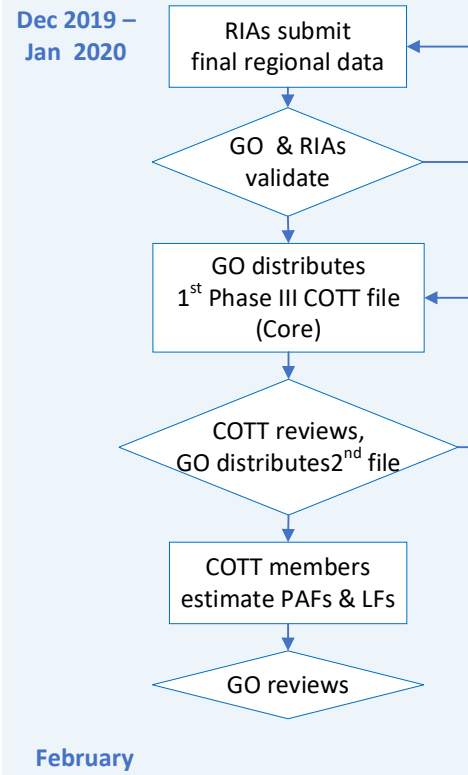
PHASE III



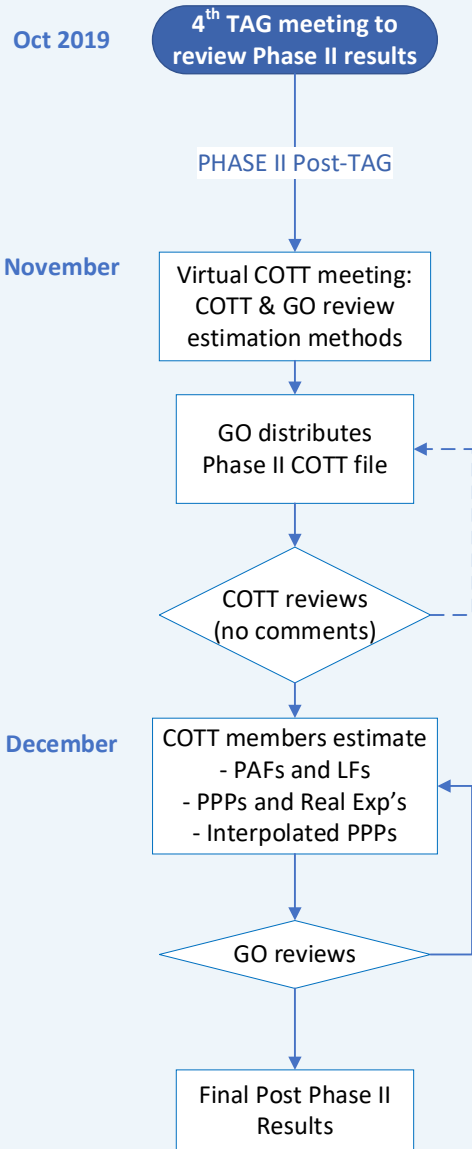
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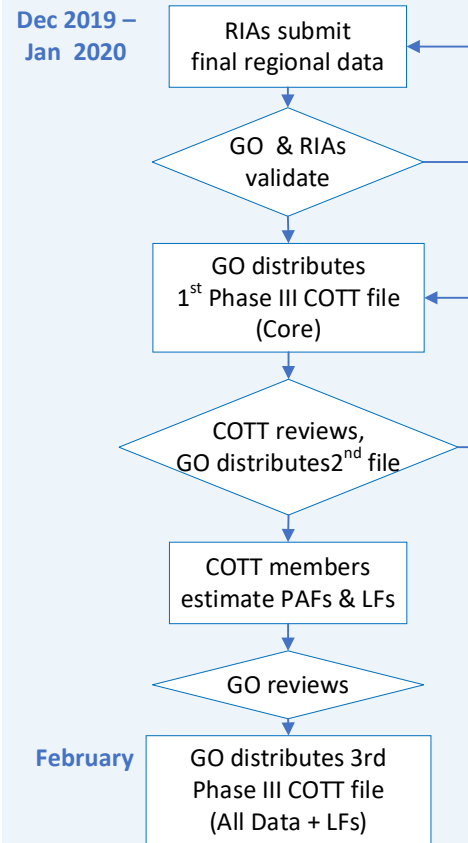
PHASE III



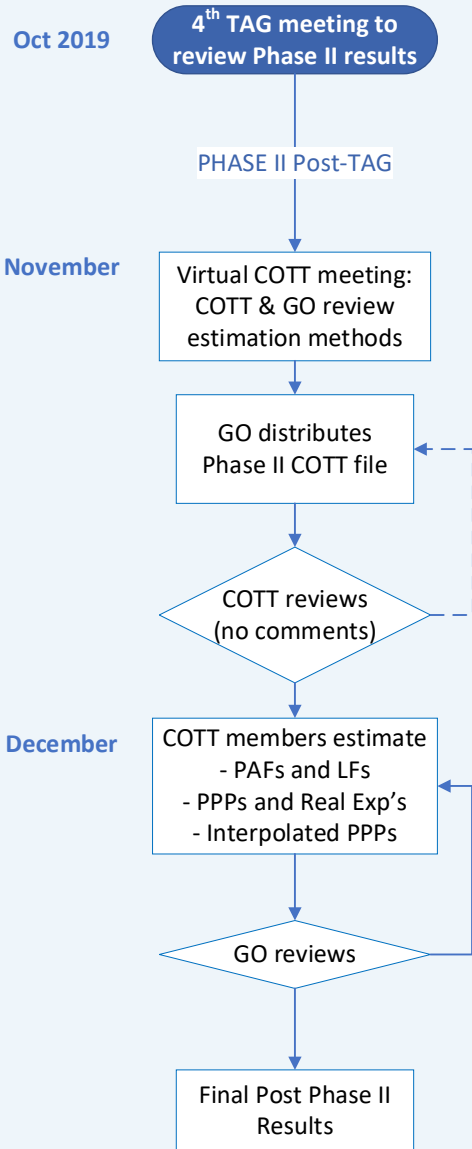
PHASE II Post-TAG



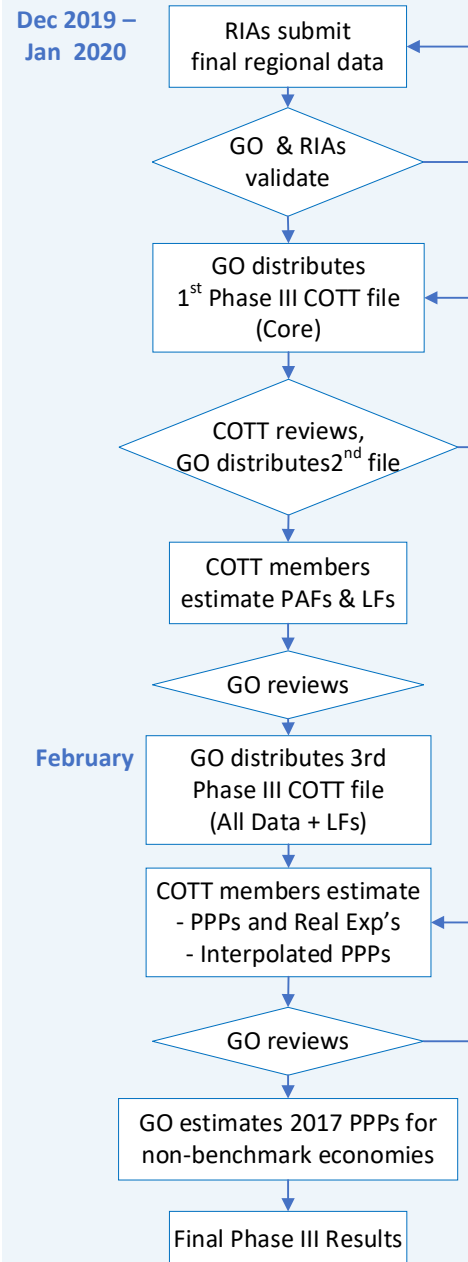
PHASE III



PHASE II Post-TAG



PHASE III



A world map composed of a grid of small dots, rendered in a light gray color, serving as a background for the slide. The dots are more densely packed in some areas, creating a subtle map outline.

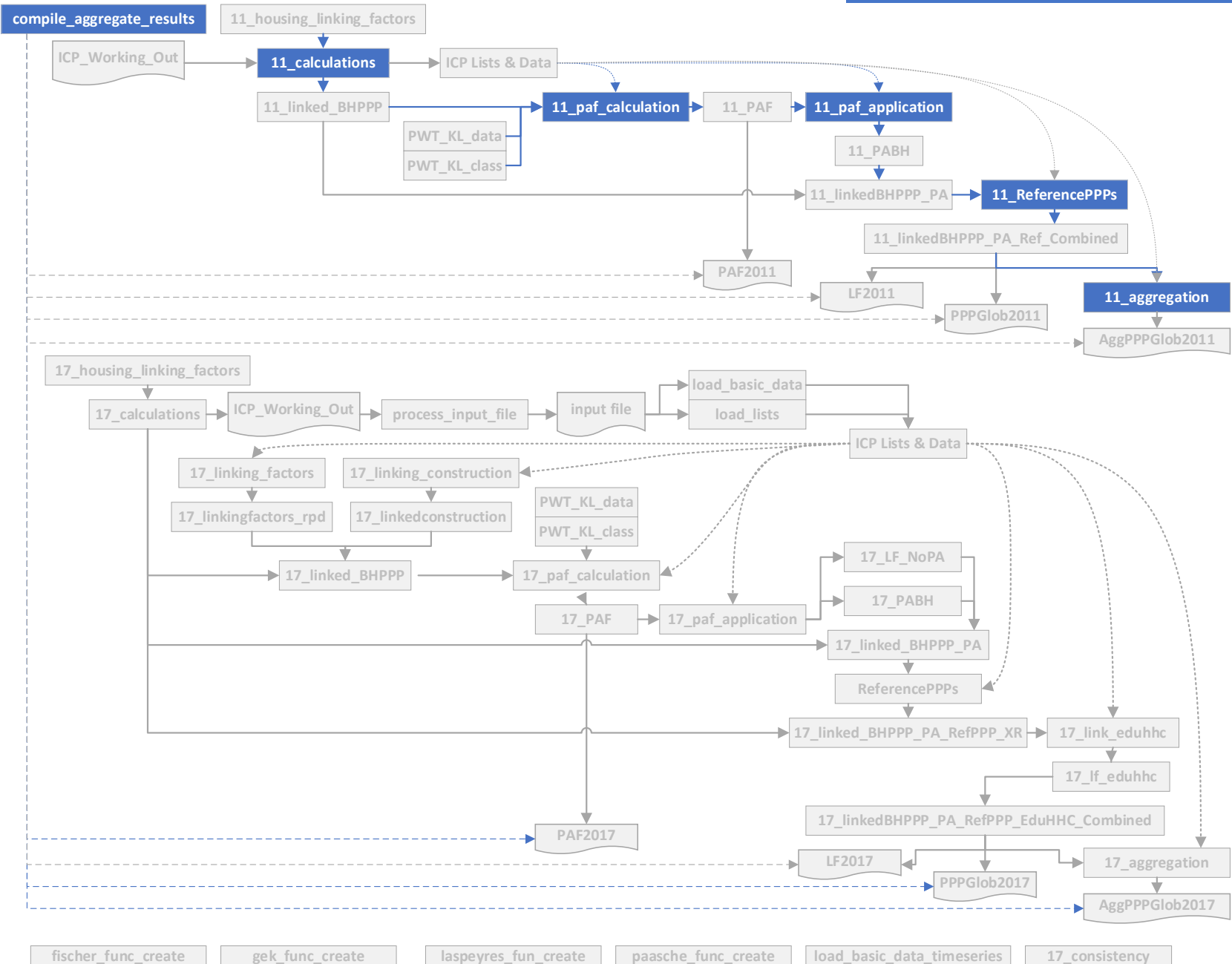
Stata Program Flows

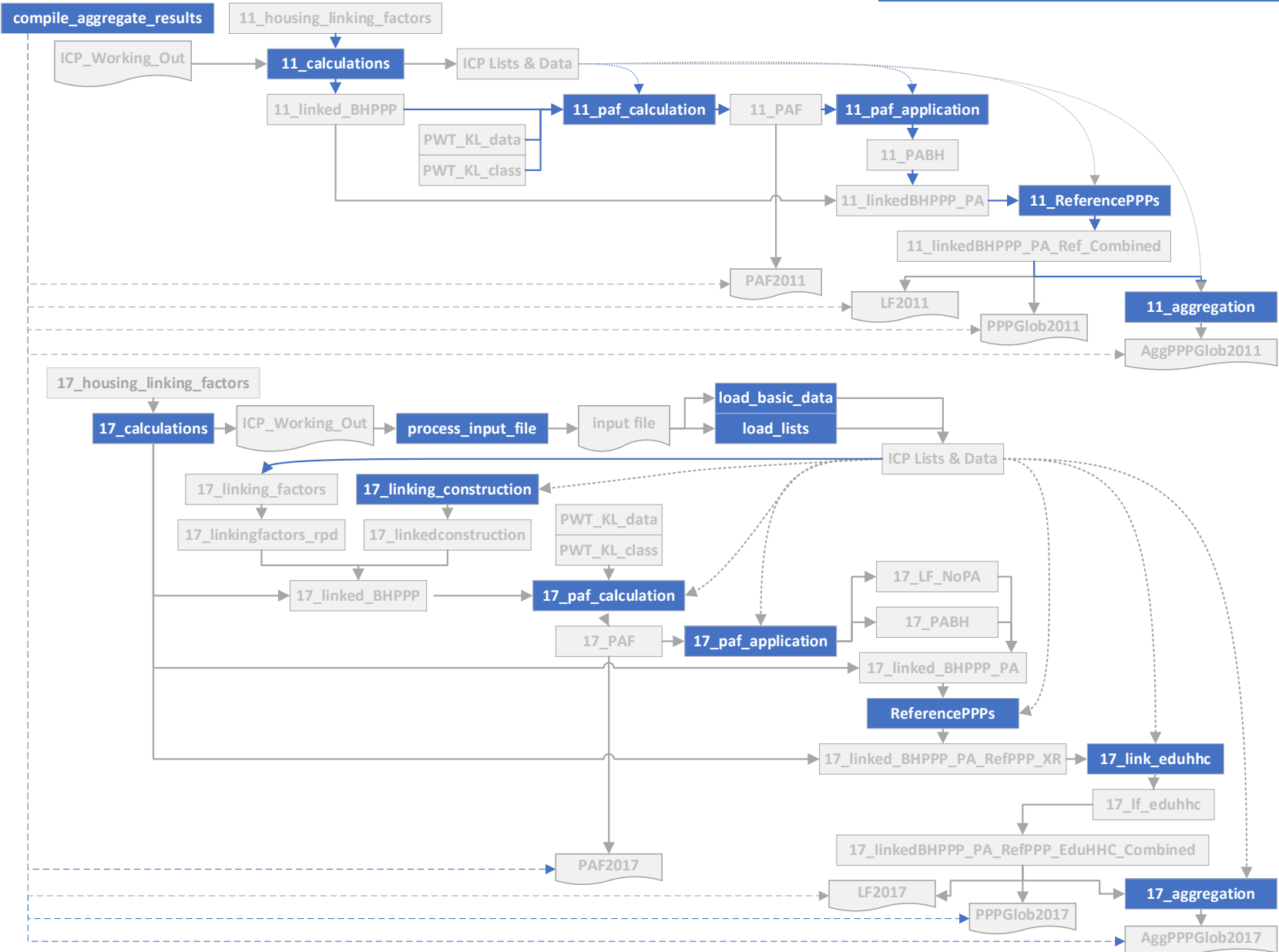
2011 Revised PPPs

2017 PPPs

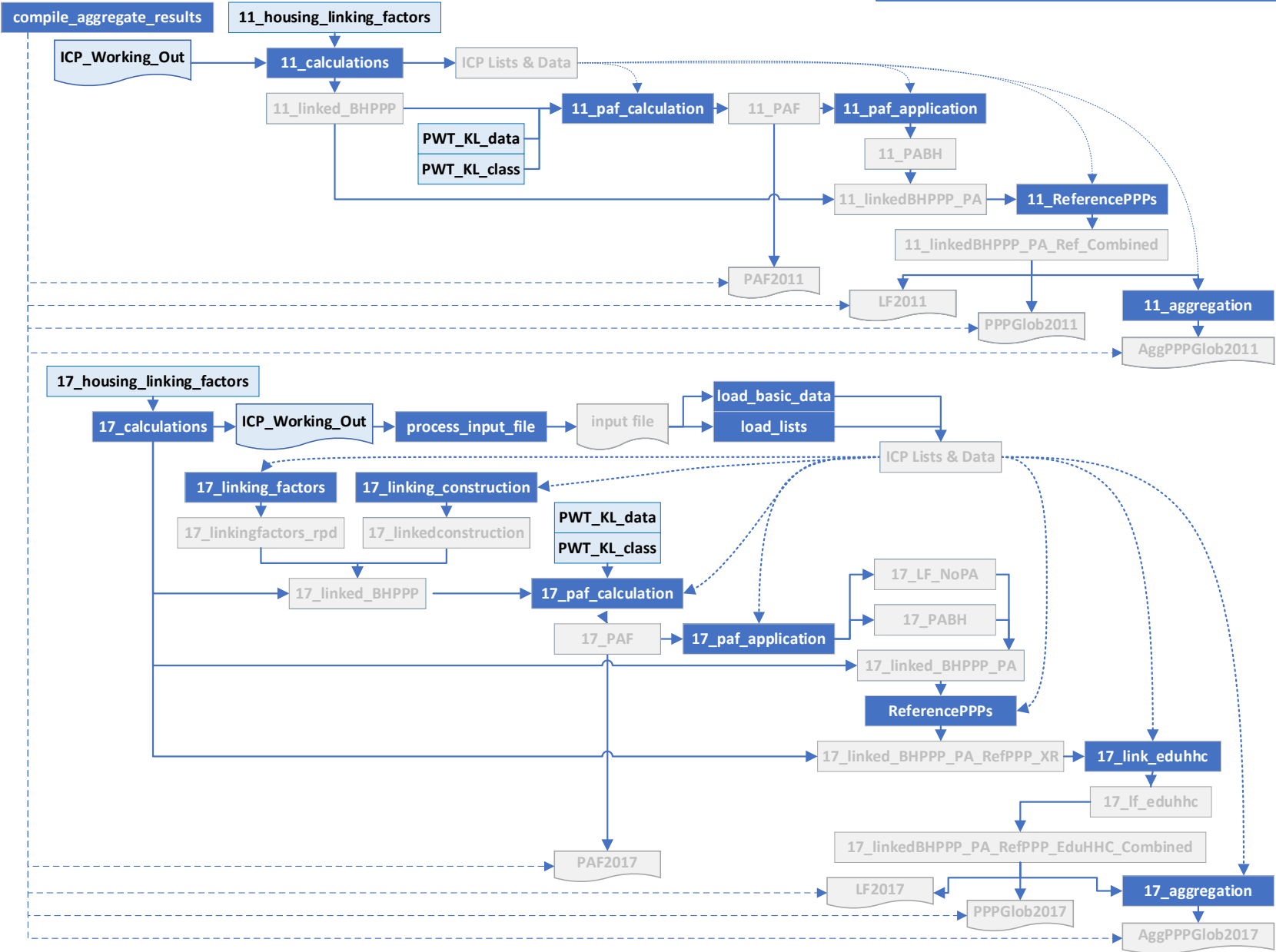
Stata Program Sequence

Program	Subprogram1	Subprogram2
1.00_compile_aggregate_results.do	1.10_icp2011_calculations.do	1.11_icp2011_paf_calculations.do
		1.12_icp2011_paf_application.do
		1.13_icp2011_ReferencePPPs.do
	1.20_icp2017_calculations.do	1.21_process_input_file.do
		1.22_load_lists.do
		1.23_load_basic_data.do
		1.24_icp2017_linking_factors.do
		1.25_icp2017_linking_construction.do
		1.26_icp2017_paf_calculation.do
		1.27_icp2017_paf_application.do
		1.28_ReferencePPPs.do
		1.29_icp2017_link_eduhhc.do

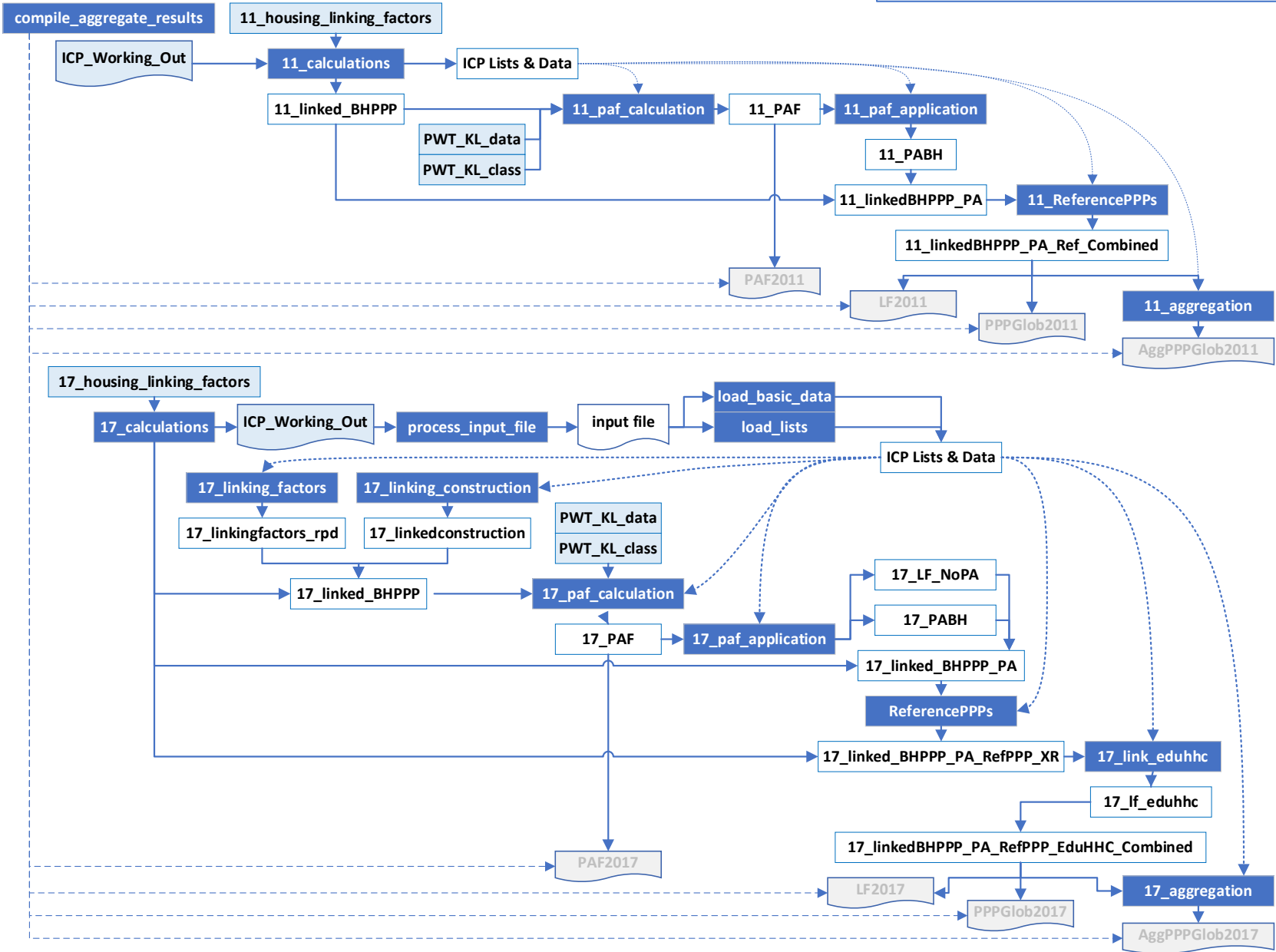




External Inputs



Program Inputs & Outputs



Excel Outputs

