

Ji-Woo Lee

Supported Projects: PCMDI (50%), ESGF (25%), CASC postdoc (25%)

Quarterly Report for April 1, 2016 – June 30, 2016

Quarter Accomplishments:

- Implemented ENSO metrics and graphical plotter to PMP; Result was presented at Lab's annual postdoc symposium
- Implemented Monsoon metrics plotter to PMP
- Created UV-CDAT examples: Seasonal average, Weather plots, BlueMarble image, EOF, Mars, etc.
- Identified potential bugs of UV-CDAT
- Participated in preparing Machine Learning proposal
- Contributed to prepare DOE CEDAHR full proposal in collaboration with NASA JPL and UCLA
- Contributed to prepare LDRD-LR proposal presentation, which is about drought diagnosis in CMIP5 models
- Preparation of Climate model simulation paper is undergoing; created analysis plots using UV-CDAT and PMP
- Co-authoring papers: one is in review and two are in preparation

Next Quarter's Roadmap

- Publish UV-CDAT scientific examples throughout online (web) and offline (article or paper)
- Implement climate variability metrics in PMP
- Paper submit; East Asian Monsoon analysis in climate model simulation
- Visitor; collaborate for development of advanced hydrology component in coupled climate model
- LDRD-LR depending on final selection (in July)

Resources Required to Achieve Goals

- Nothing special for now