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Congress of the United States
House of Representatives
Washington, DC 20515

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April 28, 2021

The Honorable Rosa L. DeLauro
Chairwoman
Committee on Appropriations
Room H-307, The Capitol
Washington, DC 20515

The Honorable Kay Granger
Ranking Member
Committee on Appropriations
1036 Longworth House Office Building
Washington, DC 20515

Dear Chair DeLauro and Ranking Member Granger:

I am requesting funding for Earth Systems Science and Data Solutions Lab (EssDs) in fiscal year 2022. The entity to receive funding for this project is Chapman University, located at One University Drive Orange, CA 92866.

The funding would be used to apply and develop Machine Learning (ML) methodologies to geoscience and remote sensing problems has the potential of becoming a universal approach to geoscientific classification, land use/land cover mapping, change- and anomaly-detection problems. Some clear examples of the team's work that apply to the state of California are: [1] the impacts of aerosols on the retreat of the Sierra Nevada Glaciers in California; [2] the usage and validation of satellite observations (namely the NASA MODIS sensor time series) for salinity assessment over agricultural soils in California; [3] and the high-quality work on the application of recurrent neural networks for drought projections in California. I certify that neither I nor my immediate family has any financial interest in this project.

Sincerely,

Member of Congress

Sincerely,

J. Luis Correa
Member of Congress