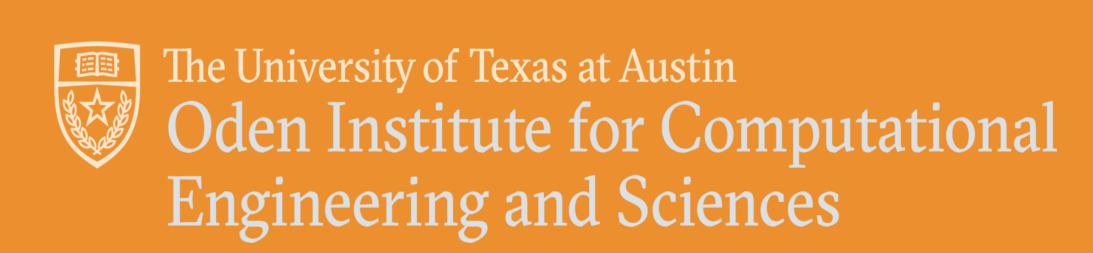
THE FloDisMod PROJECT:

A Framework for Flood and Disease

Modeling in Texas and the Rio Grande Valley

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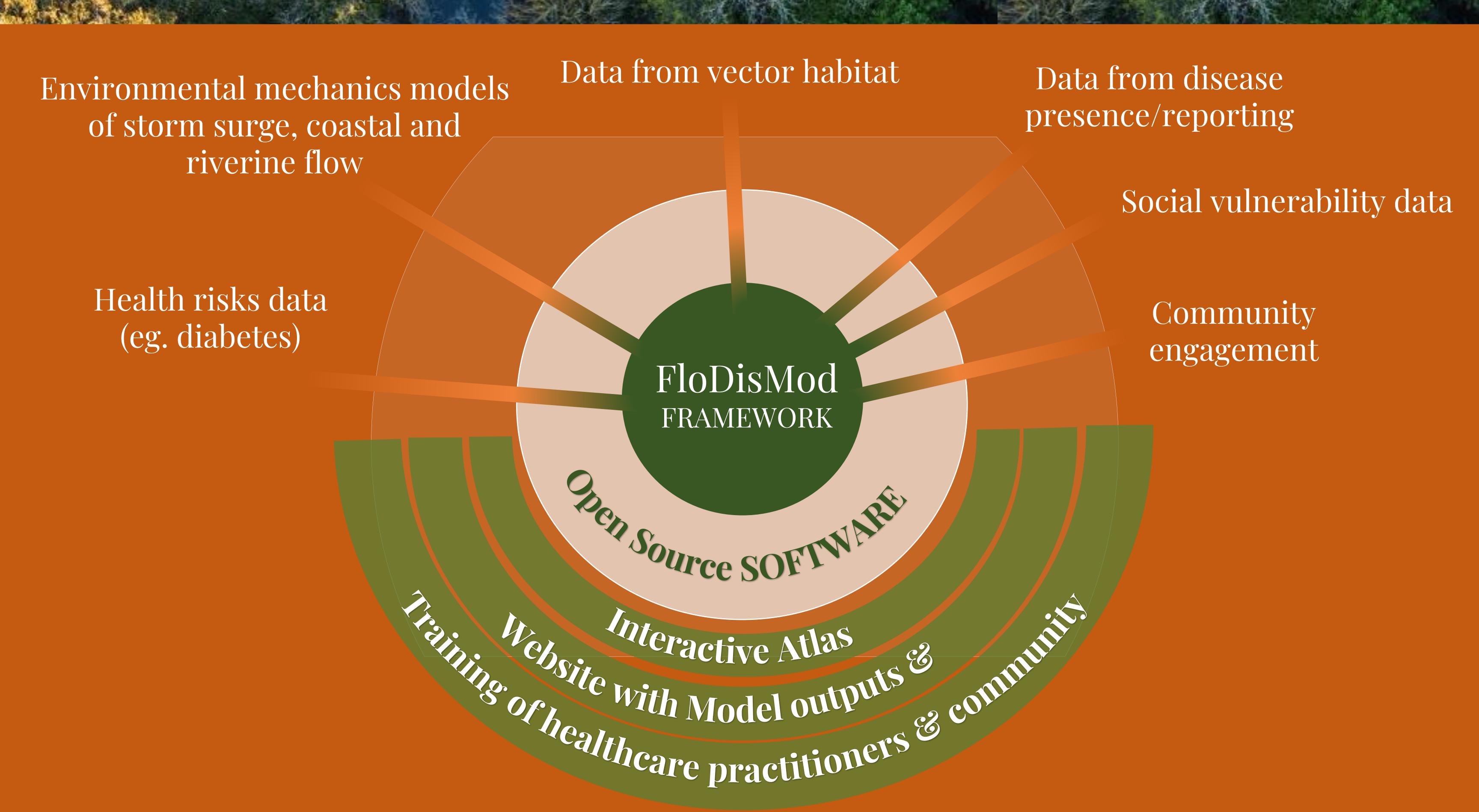
PLANET TEXAS 2050
A UT Grand Challenge

INTRODUCTION

Climate change will affect the distribution of diseases across the globe. Now, more than ever, climate-sensitive infectious diseases pose a threat to humankind with pandemic potential. This research work aims to enable SOCietieS to better prepare for the geographical shift of infectious diseases. We hope to provide a tool for those with power to introduce mitigation measures.

An open source software will deploy output data from coastal flood-modelling, generated with geo-spatial data, initially for the area of the border between South Texas and Mexico. Hosted by a national supercomputer facility, this modeling framework will generate interactive maps depending on the questions and needs of the user. Community engagement will actively drive the development of this framework.

Infectious diseases, such as dengue, chagas, leishmania, leptospirosis will be initially studied.



CLIMATE CRISIS IS HEALTH CRISIS