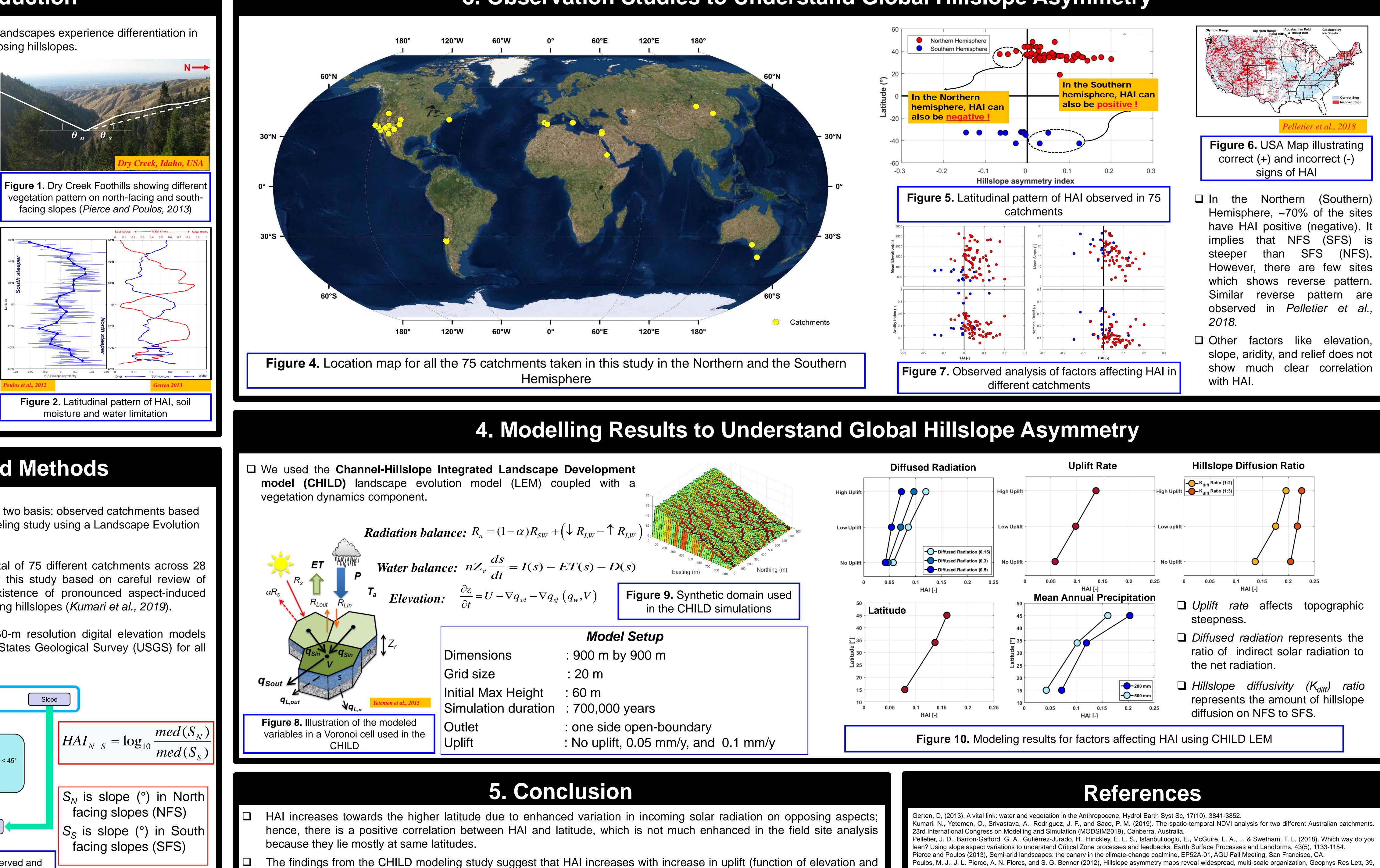
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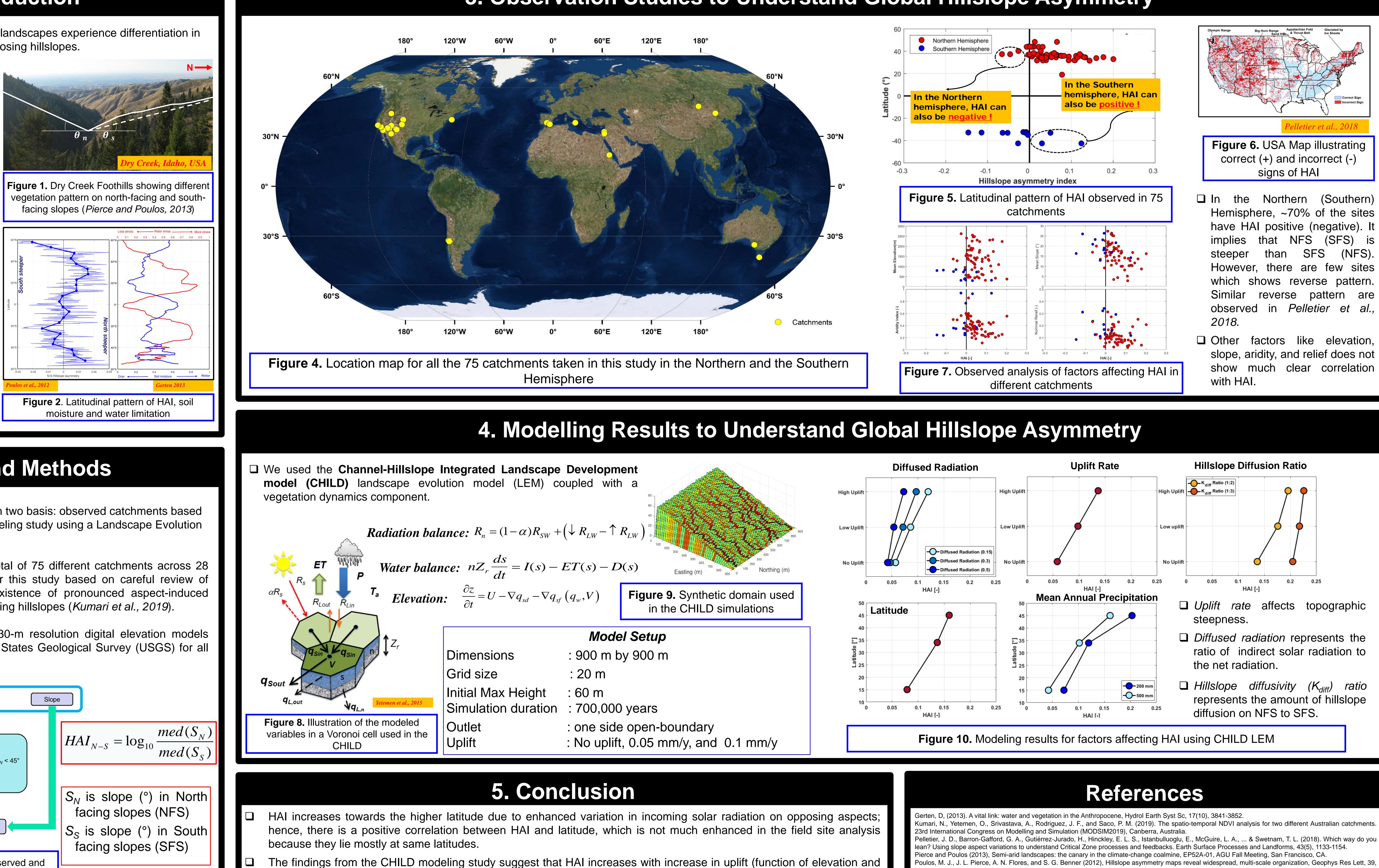
Observations and Modelling Results Help to Understand Global Hillslope Asymmetry

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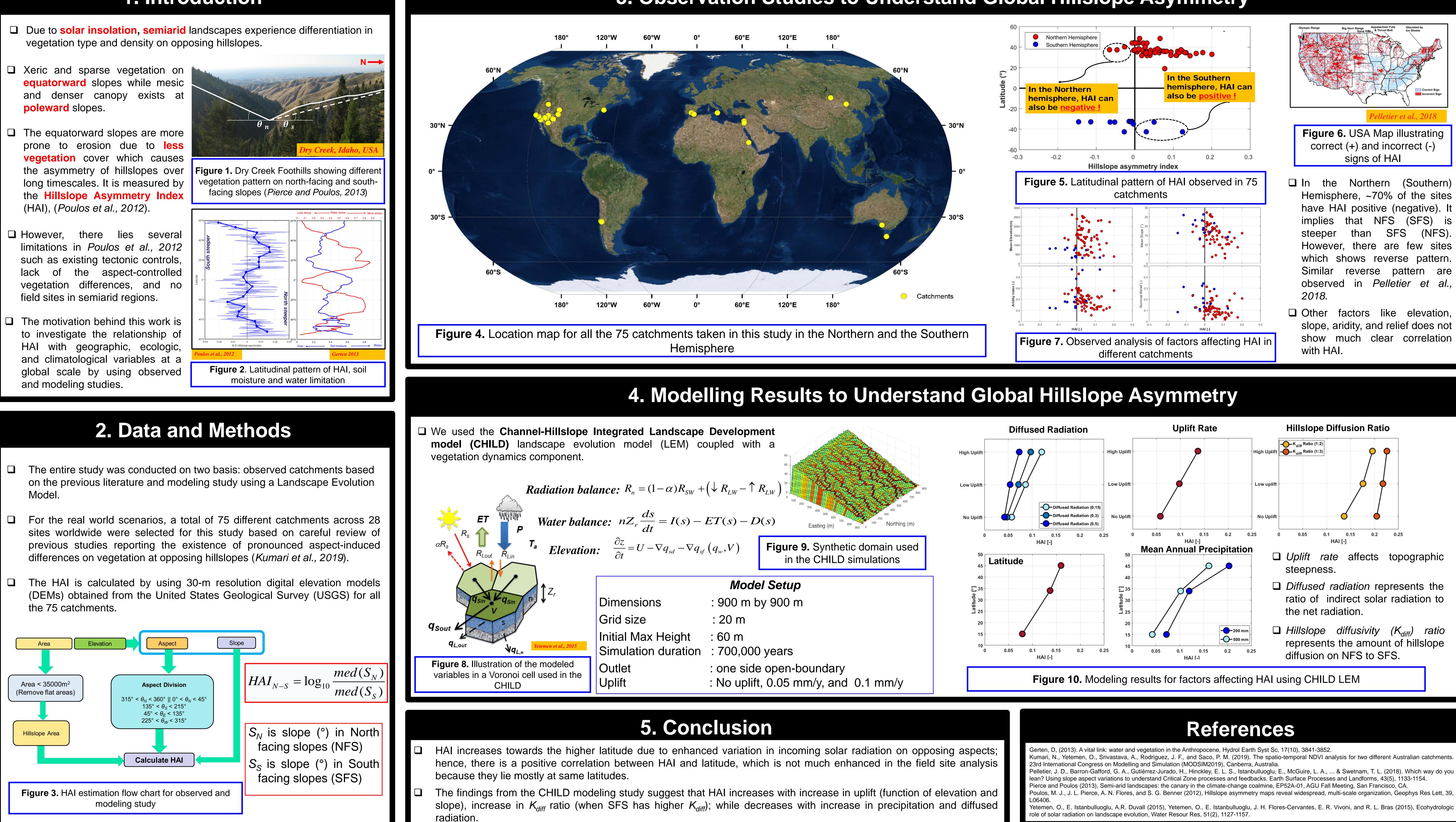
1. Introduction

- vegetation type and density on opposing hillslopes.
- and poleward slopes.
- vegetation cover which causes the asymmetry of hillslopes over long timescales. It is measured by the Hillslope Asymmetry Index (HAI), (*Poulos et al., 2012*).
- there such as existing tectonic controls, lack vegetation field sites in semiarid regions.
- with geographic, ecologic, and climatological variables at a global scale by using observed and modeling studies.





- Model.
- differences on vegetation at opposing hillslopes (Kumari et al., 2019).
- the 75 catchments.



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3. Observation Studies to Understand Global Hillslope Asymmetry



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