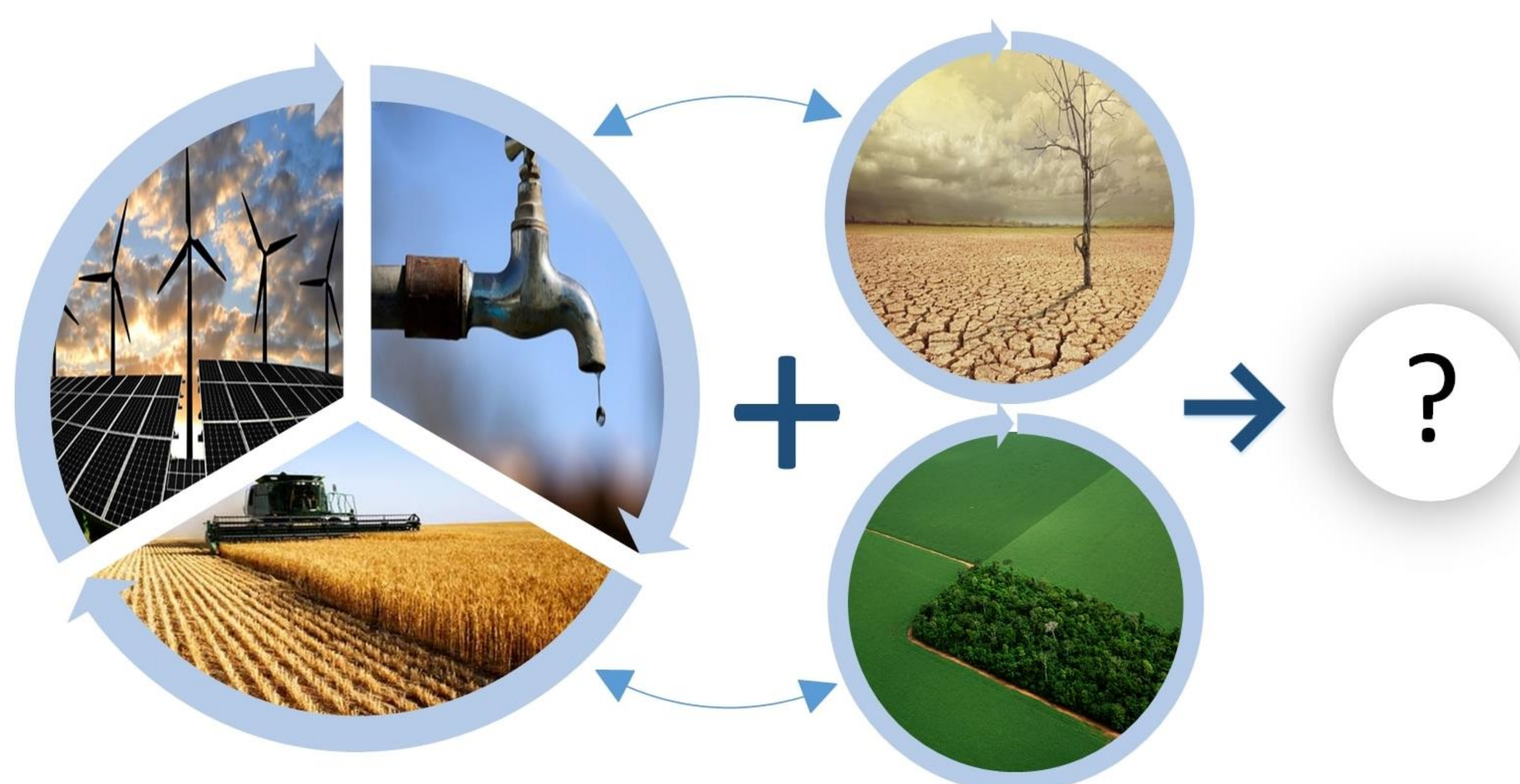


Food-Energy-Water Security Considering Climate and Land Use Changes in the São Francisco River Basin

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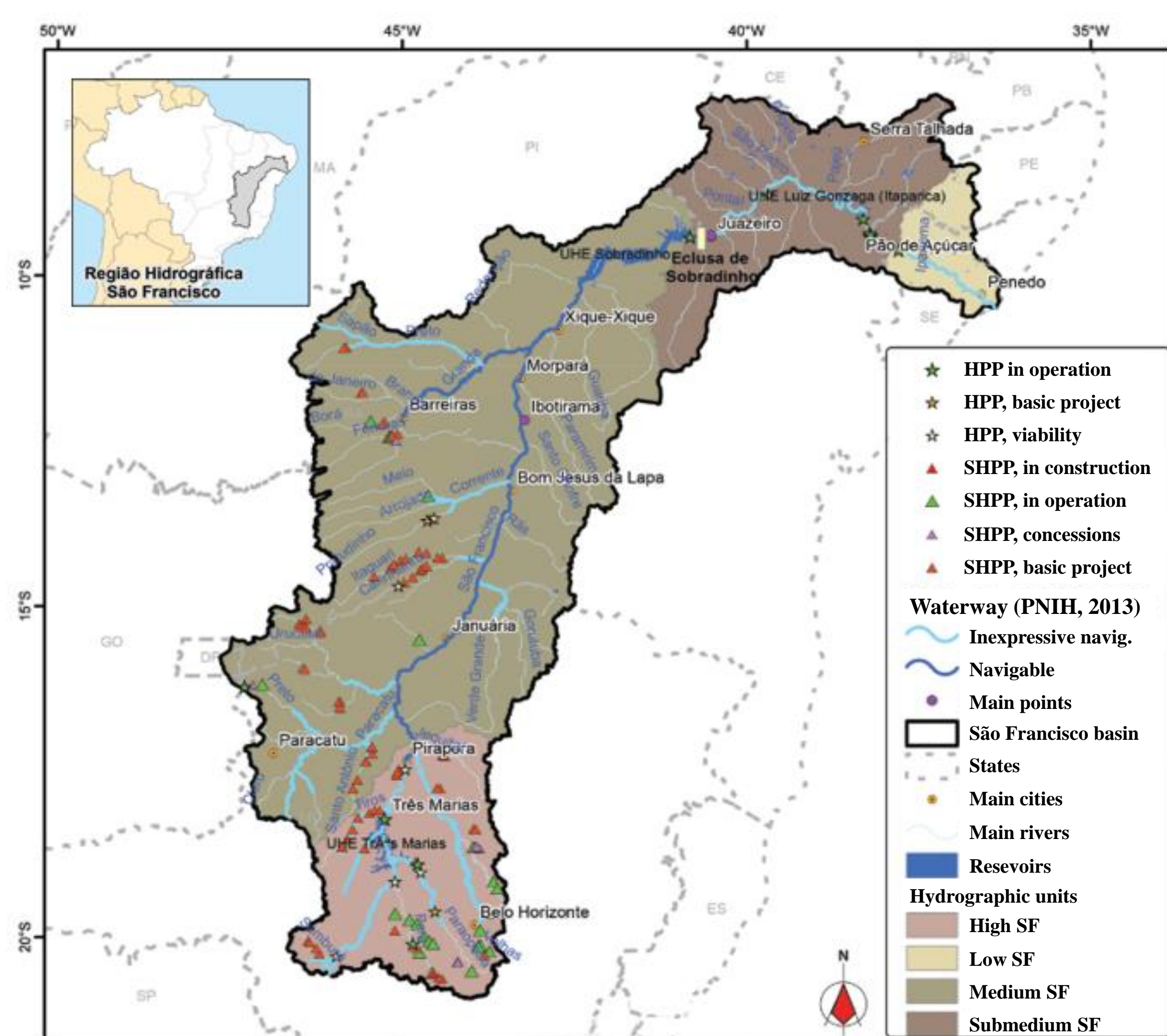
INTRODUCTION



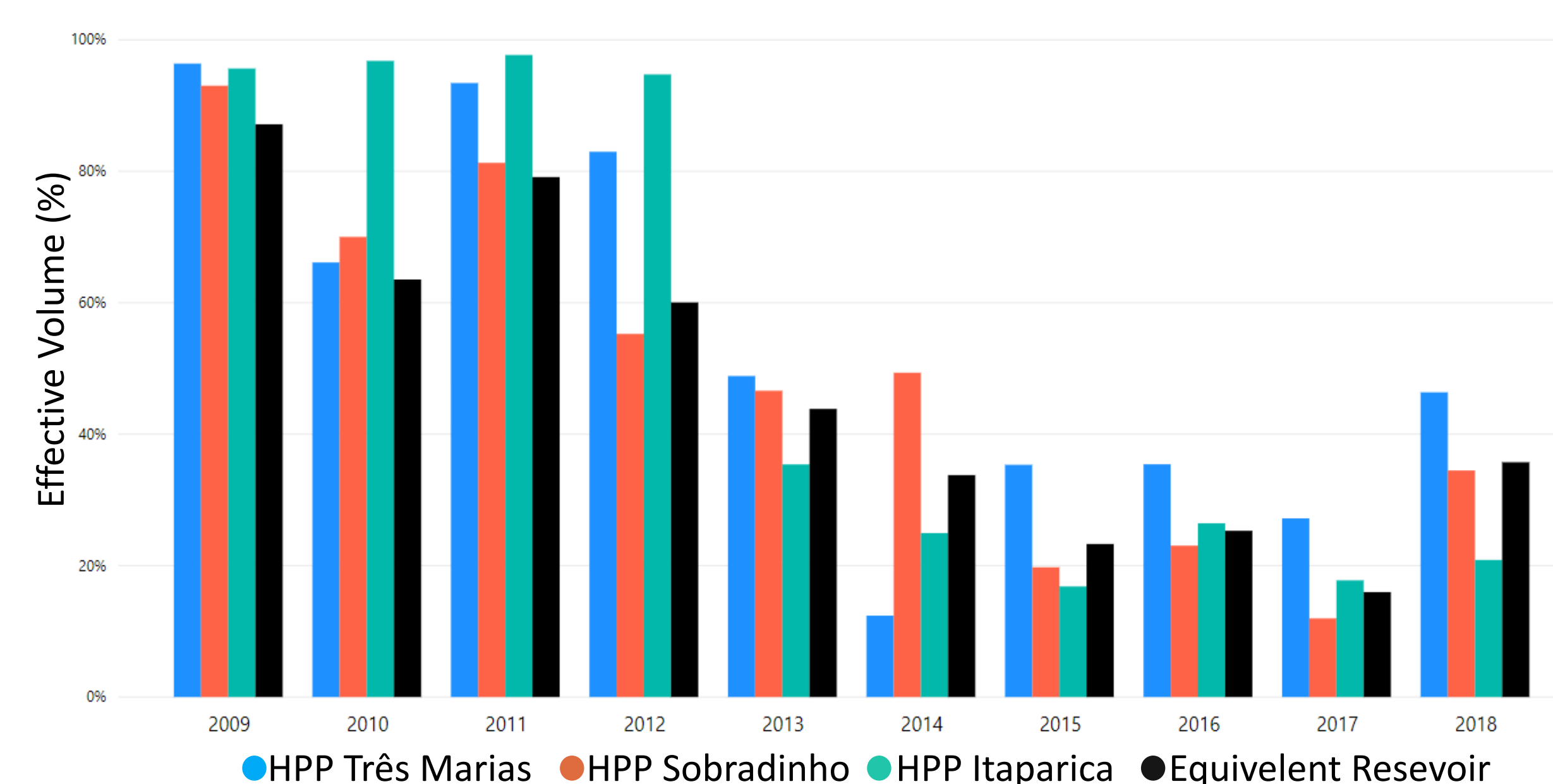
Brazil is one of the richest countries in water resources and is expected to become the largest exporter of agricultural and food products in the world (OECD-FAO, 2015). Furthermore, 62% of Brazil's energy is generated through hydropower plants (ANEEL, 2018). Therefore, to ensure water availability for future generations it is necessary to consider the Nexus thinking.

OBJECTIVES

Here, we assess the Food-Energy-Water Nexus considering climate and land cover and land use changes (LCLUC) scenarios in the São Francisco river basin.

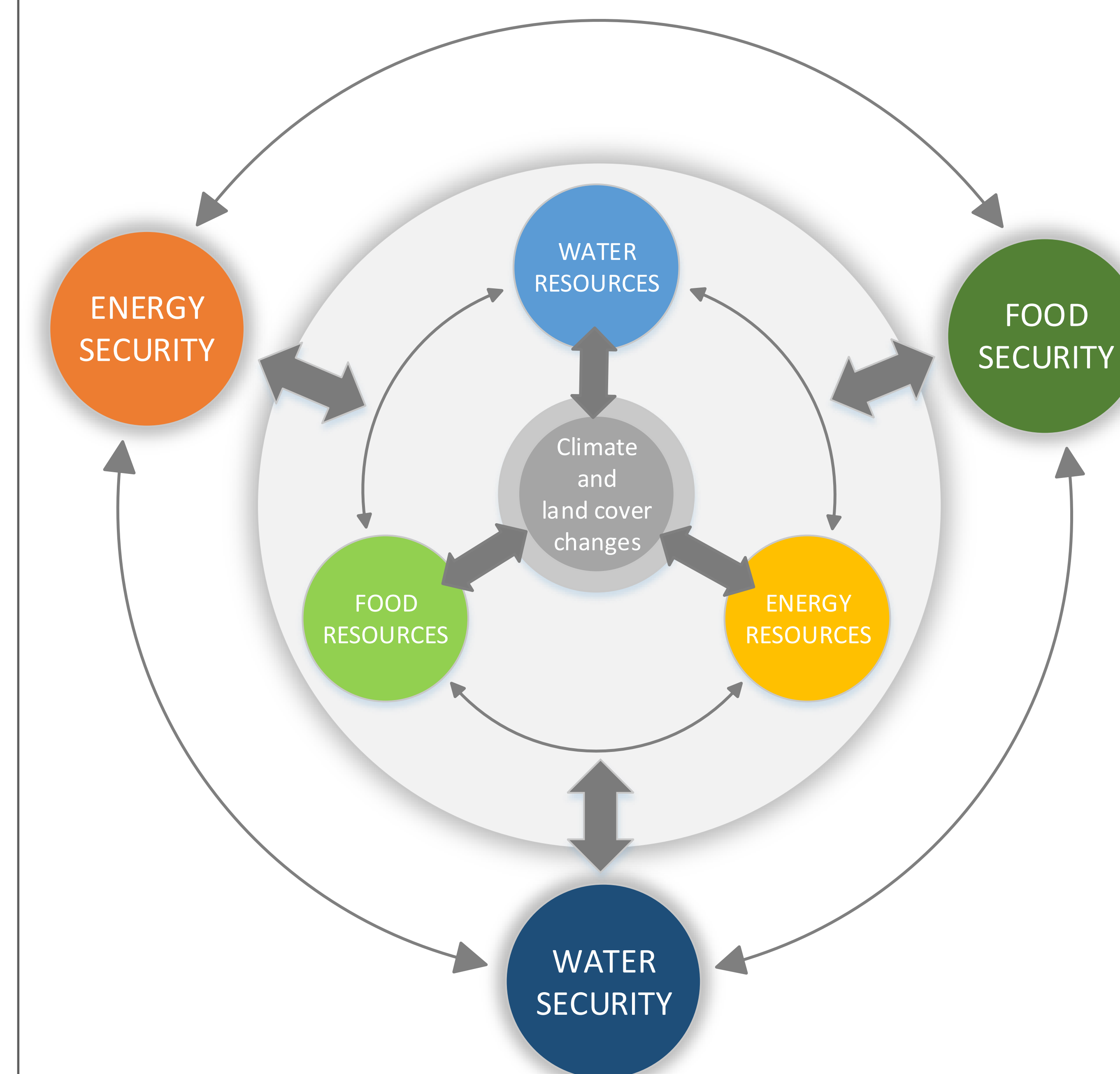
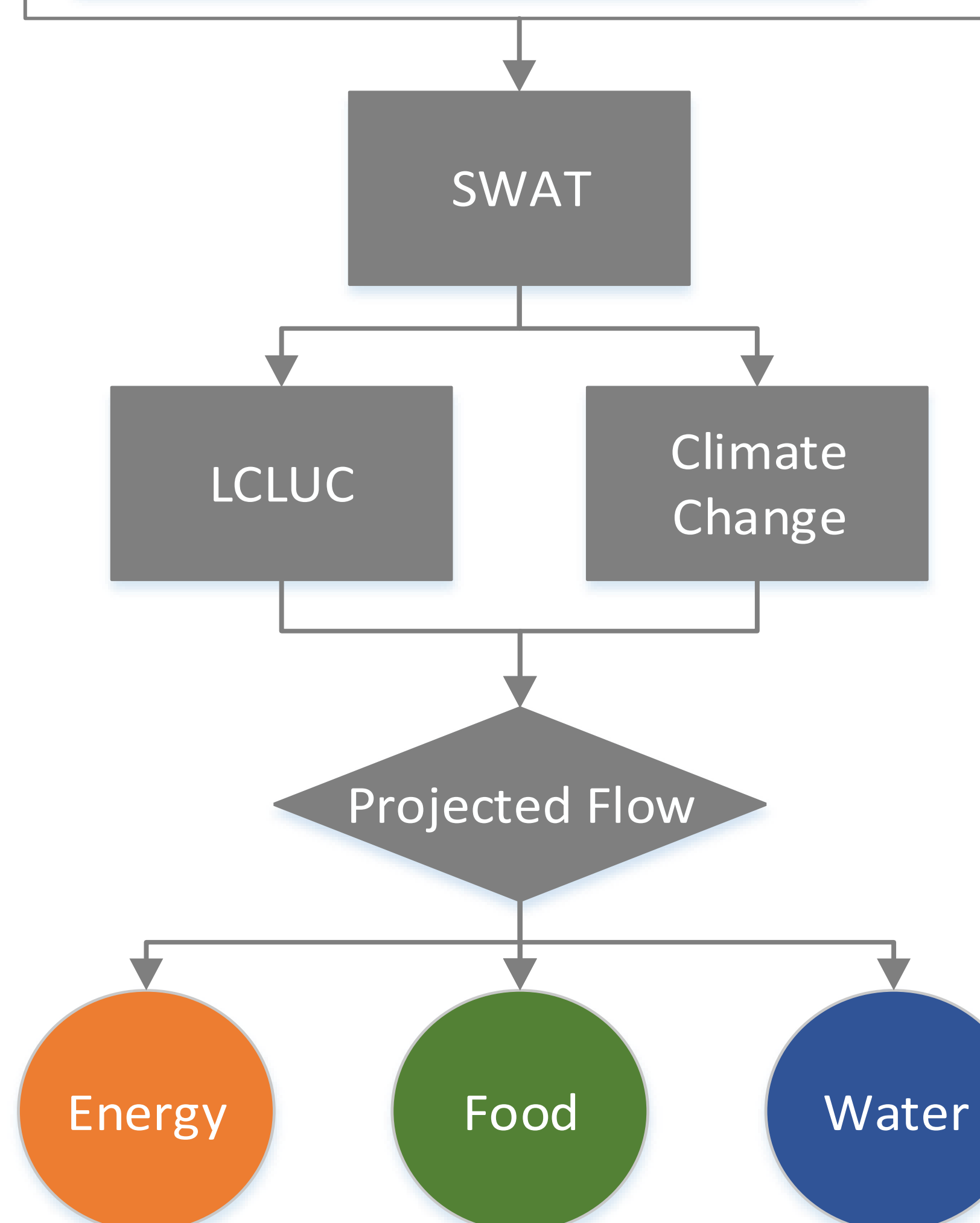
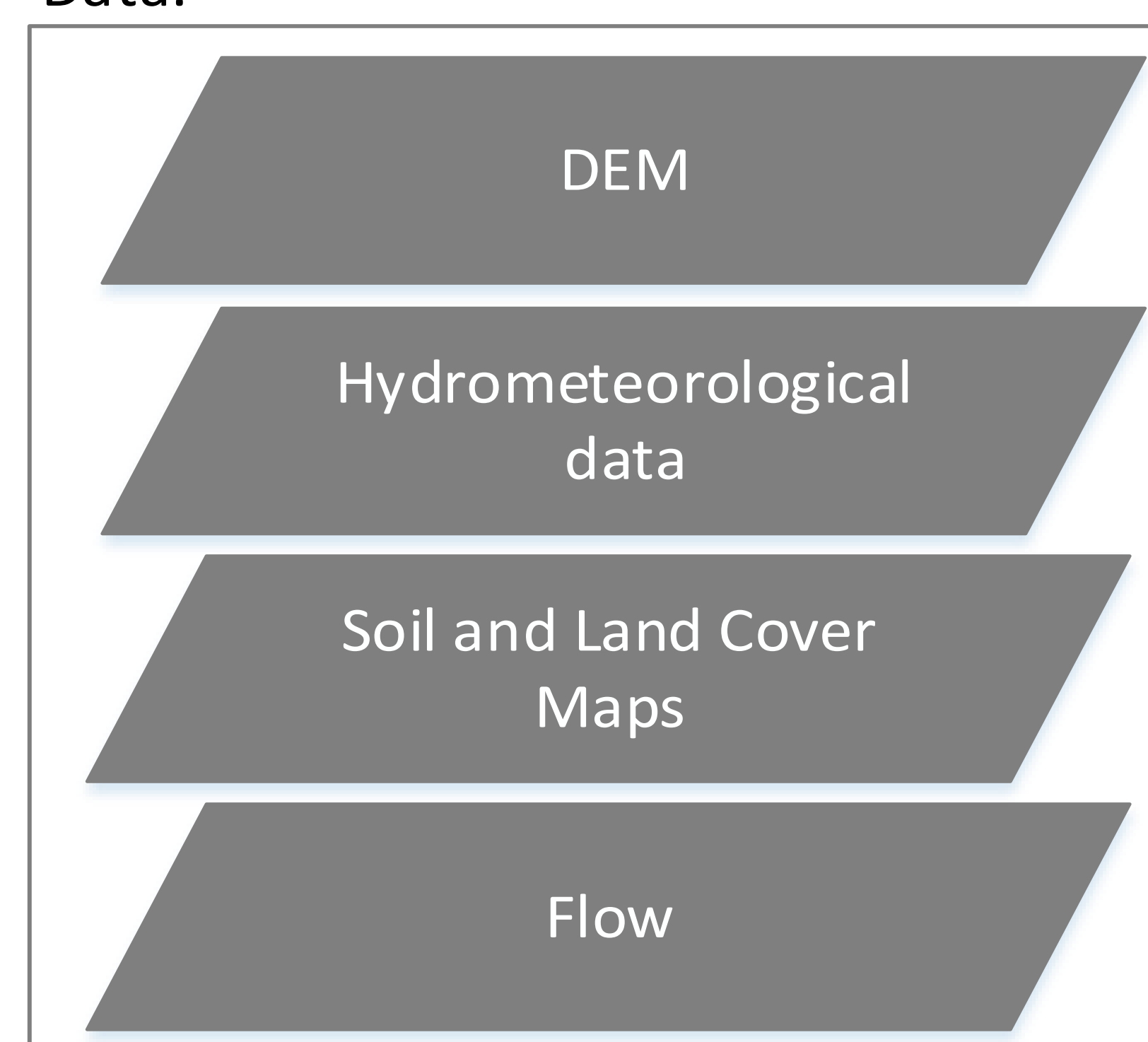


MATERIALS & METHODS



How to predict future water availability to meet the Food-Energy-Water demands in the São Francisco river basin?

Data:



CONCLUSIONS

Our results will provide decision-makers with information regarding the risks and trade-offs and will support water resources management decisions in order to allocate scarce water resources toward food and energy.

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- ANEEL – Agência Nacional de Energia Elétrica. Capacidade de Geração do Brasil, 2018. Disponível em: <<http://www2.aneel.gov.br/>>. Acesso em: 03 out. 2018.

ACKNOWLEDGEMENTS

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