

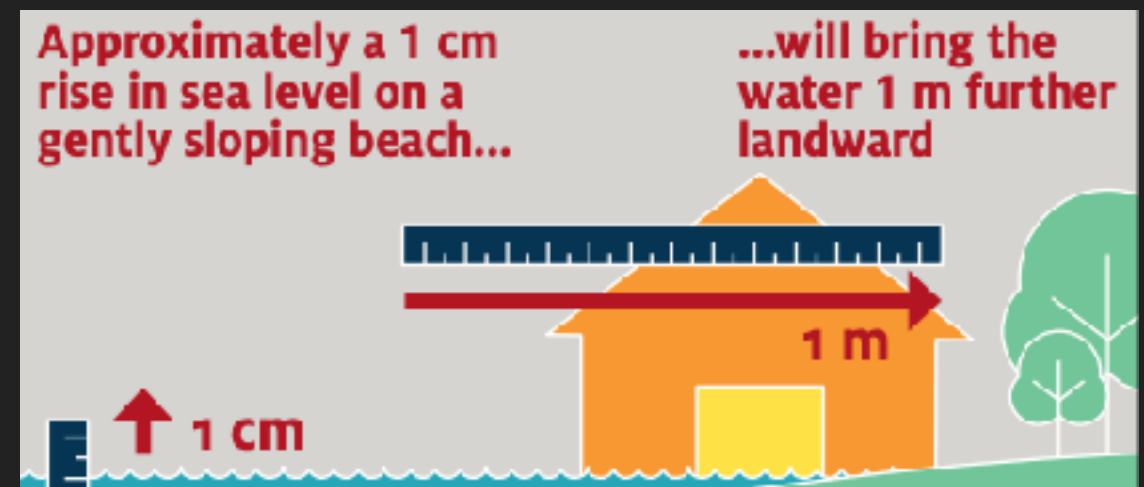
CMSE 201 002 YUHAN ZHU

HOW DOES SEA LEVEL CHANGE?



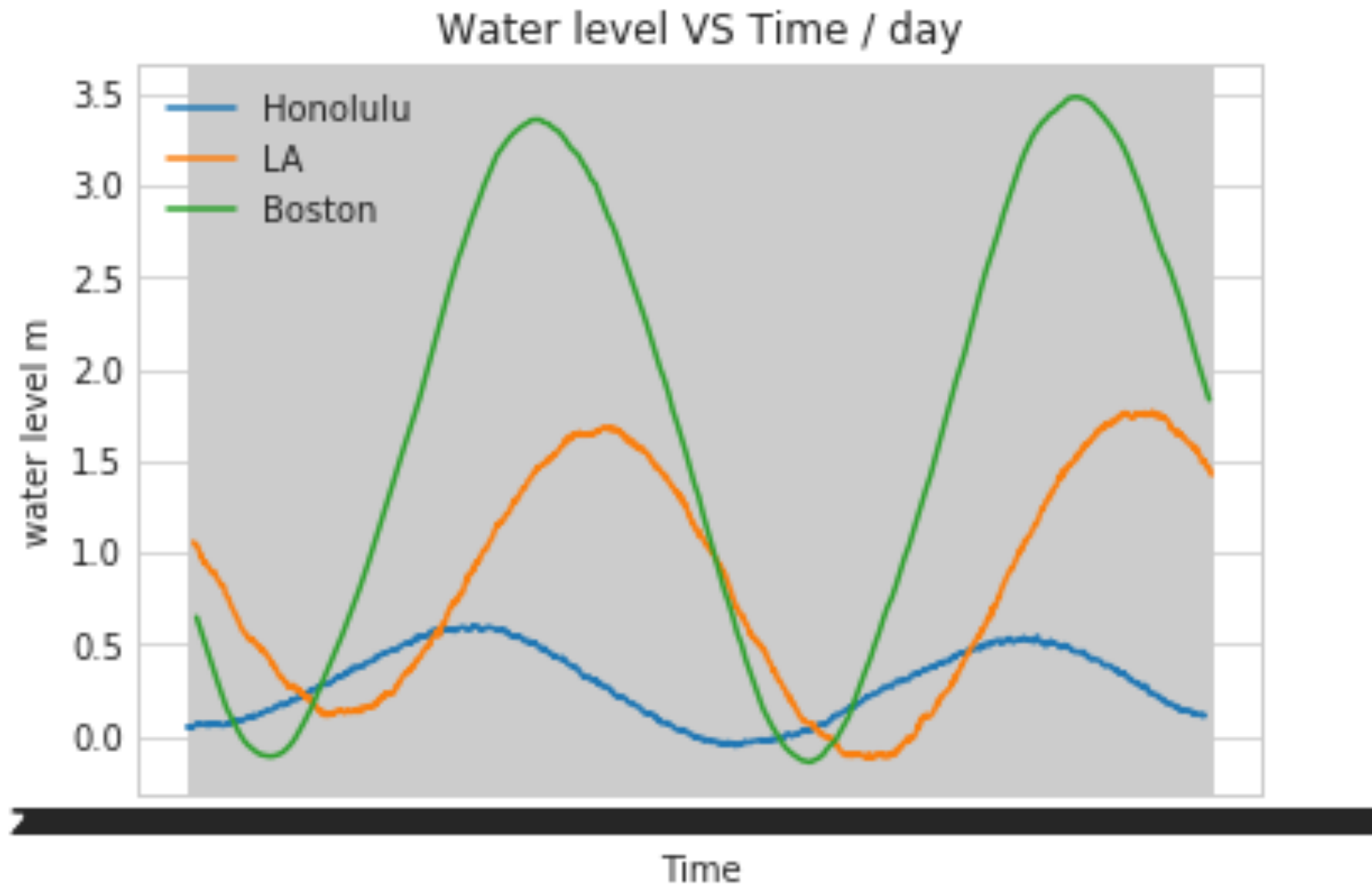
INTRODUCTION

- ▶ The Blue Planet
- ▶ The ocean are changing



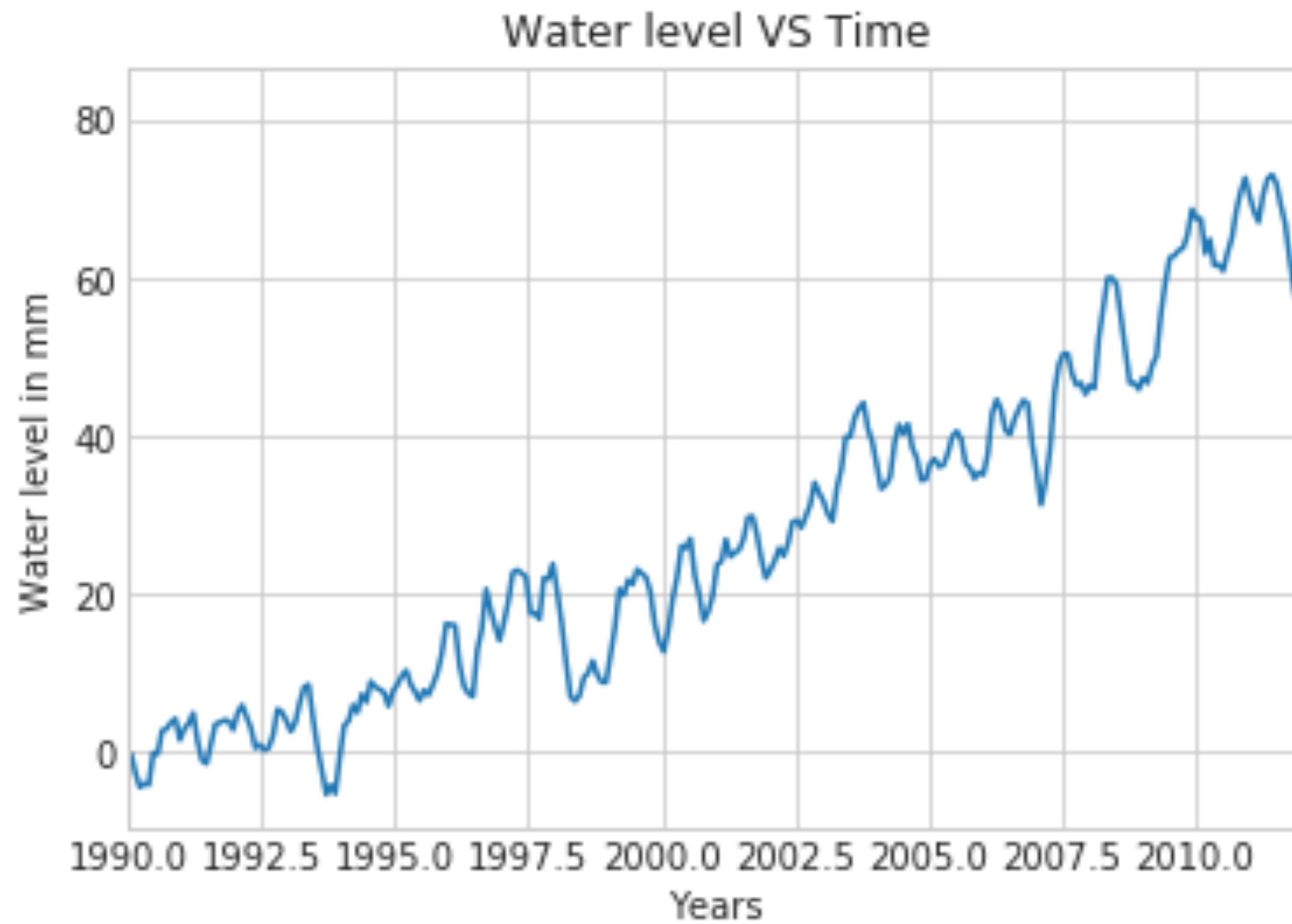
- ▶ About this project I will ...

WATER LEVEL DAILY CHANGE



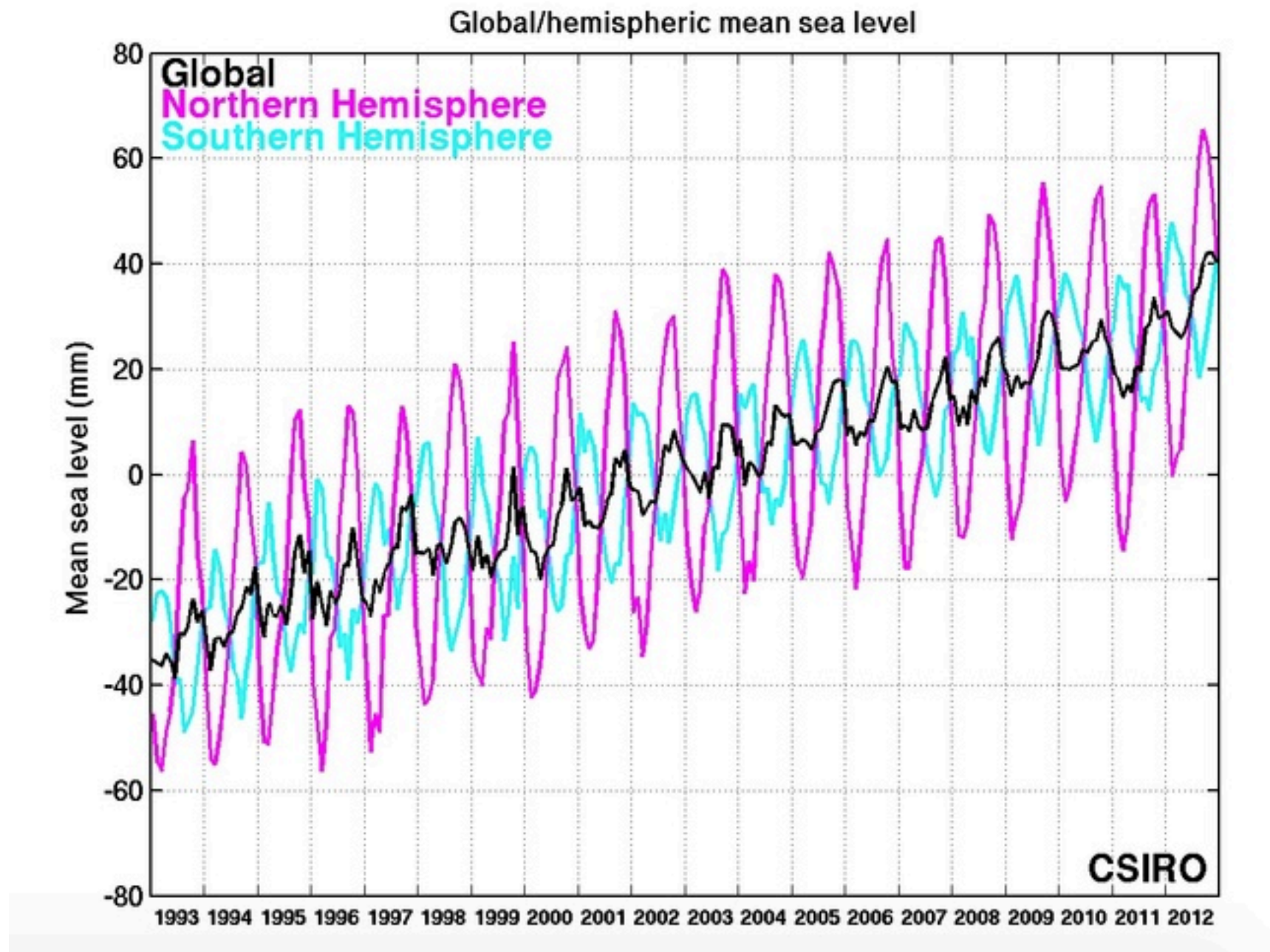
Honolulu, LA, and Boston 6am - next day 6am

20 YEARS DATA



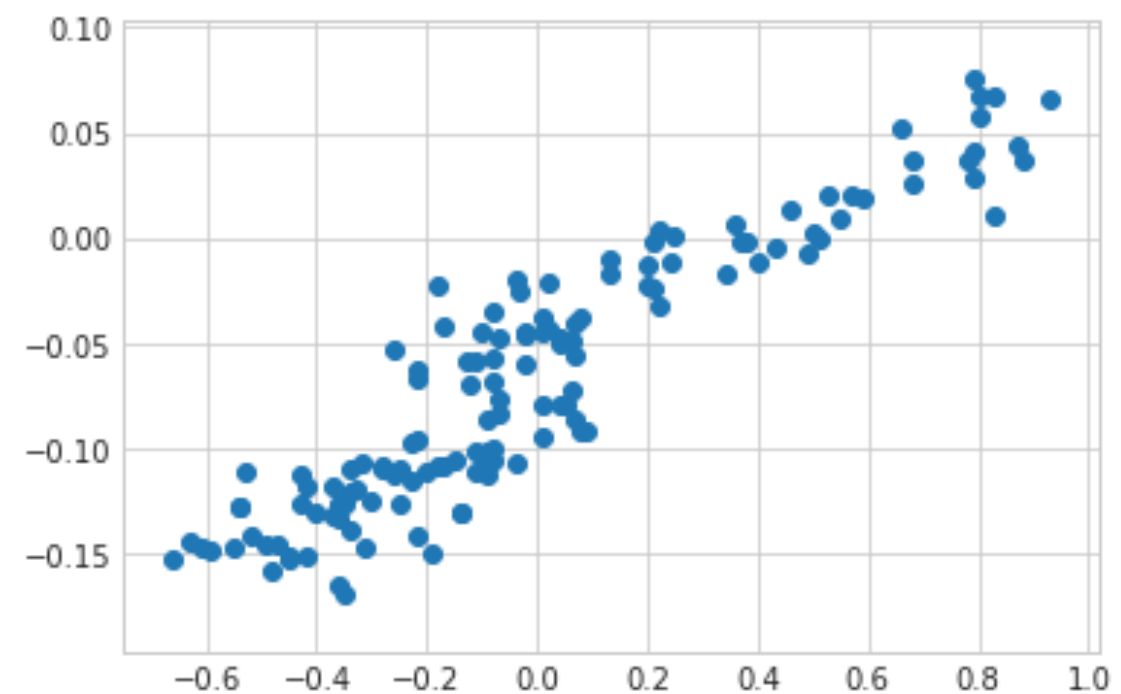
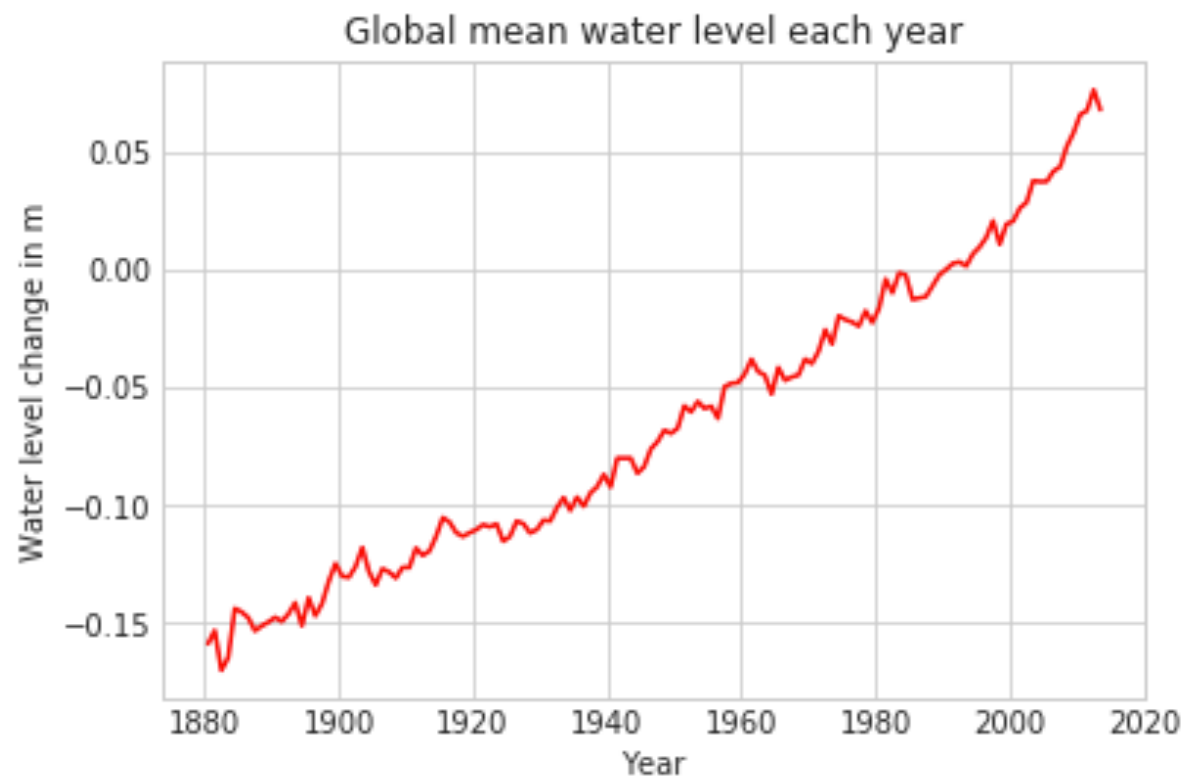
Global mean sea level

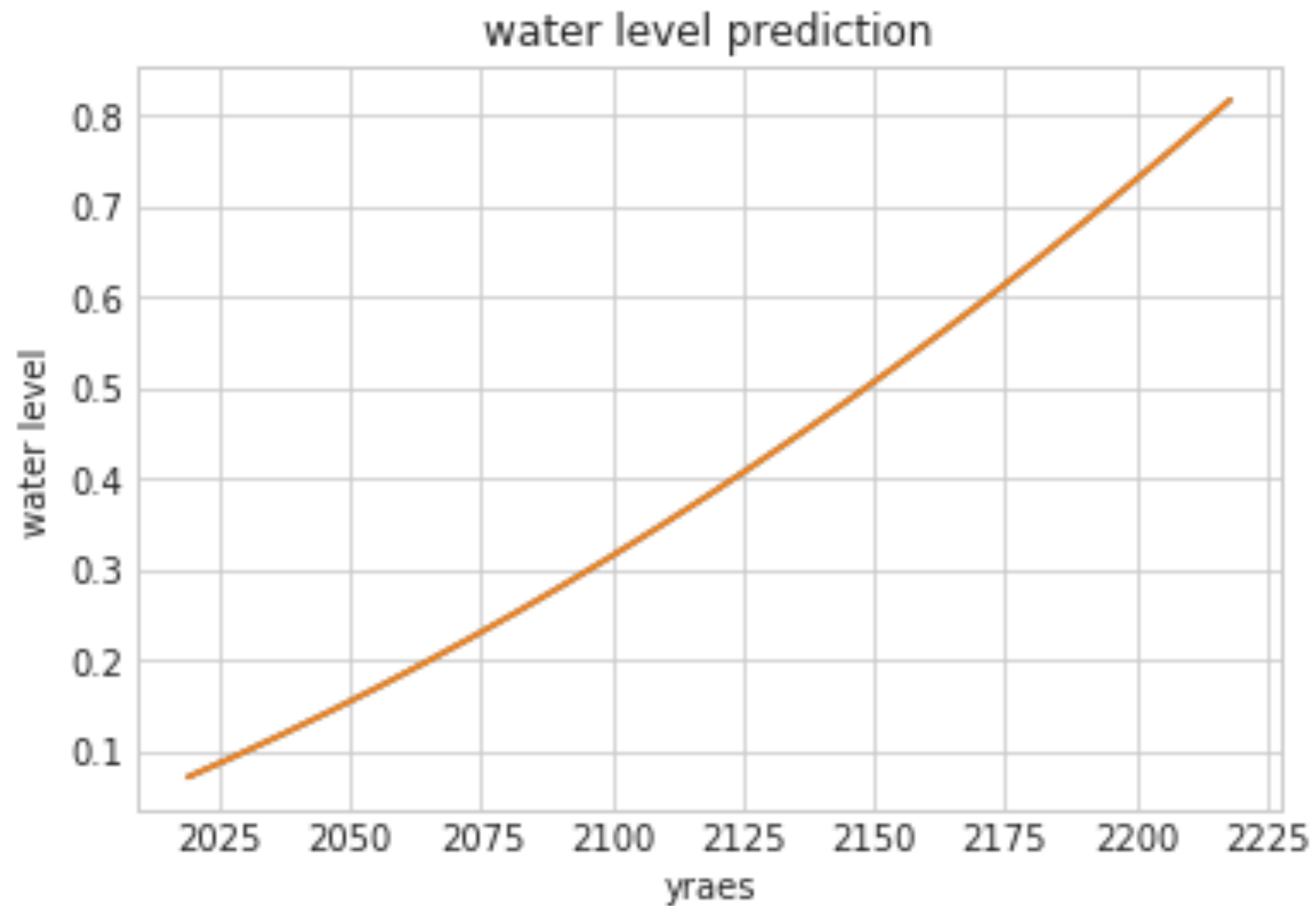
NORTHERN HEMISPHERE & SOUTHERN HEMISPHERE



Sea level related to temperature!!!

1880–2010





$$y = X6.26740782 \cdot 10^6 - X2.28082220 \cdot 10^2 + 2.05736033 \cdot 10$$

THANKS FOR LISTENING

CHURCH, J. A. AND N.J. WHITE (2011), SEA-LEVEL RISE FROM THE LATE 19TH TO THE EARLY 21ST CENTURY. SURVEYS IN GEOPHYSICS, DOI: 10.1007/S10712-011-9119-1. THIS PAPER IS PUBLISHED "OPEN ACCESS"
"CSIRO MARINE AND ATMOSPHERIC RESEARCH." CSIRO MARINE AND ATMOSPHERIC RESEARCH, WWW.CMAR.CSIRO.AU/.
SEA LEVEL STATION MONITORING FACILITY, WWW.IOC-SEALEVELMONITORING.ORG/LIST.PHP.