GROUP VALLETTA

SEA STATE CONDITIONS AND TOURISM ACTIVITIES IN VALETTA MALTA
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INTRODUCTION

- Marine and Coastal tourism is a crucial component of the Blue Economy (JERICO-NEXT Summer School, 2018).
- Meteo Marine conditions is a major factor that could help in tourism planning and budgeting.
- Forecast made from available Meteo Marine factors could help in coastal destination planning in Maltese Island for the purpose of tourism.
- Sea states (e.g., direction of currents, wave height, Jelly fish movement, etc.) affects the experience at the beach,
AIM AND OBJECTIVES

❖ Develop an application that will put up to date information into the hands of beach goers and other sea users.

OBJECTIVES

❖ To identify the most optimal beach according to the Meteo-marine conditions forecast
DATA SOURCES AND ANALYSIS

DATA SOURCES

- COPERNICUS
- CALYPSO

ANALYTICAL TOOLS

- MATLAB
- TEXTPAD (html code)
- GOOGLE MAPS
- OPEN STREET MAP
- BROWSER
Evaluating currents and wave heights

MATLAB results, using Copernicus
SV04-MED-INGV-CUR-AN-FC-H PRODUCT

Surface Currents between 07-13-2018 06:30 and 07-15-2018 23:30

Calypso application results:
RELEVANCE OF THE APPLICATION

✔ Provide short term forecast to aid planning
✔ Attract most demanding clients and initiative planned business activities and foreign investment
✔ Make extra profit on swimming, diving, surfing among others
✔ Increase general family welfare by developing and revitalization of various activities for particular beach