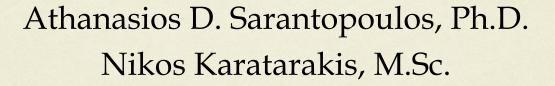
Data Rescue in Greece: A Synergy between HNMS and Academia



Hellenic National Meteorological Service

Outline

R Introduction Reference Framework **R** Curricular Practical Training Program Sun Duration Data Rescued CR Directive 2007/60/EC Rescued Rescued Additional Projects **Conclusion** Acknowledgements

Introduction

- New Curriculum Practical Training Programs are implemented. University students perform digitization of sun duration data.
- Real European Union Floods Directive put into effect enforces digitization of precipitation data.
- Reployment of interns reorganizes work flow and yields great results for HNMS and Academia.

National Strategic Reference Framework

- 础 The NSRF 2007−2013:
 - constitutes the reference document for the programming of European Union Funds at national level
 - was elaborated within the framework of the new strategic approach to the Cohesion Policy of the European Union.
- Q Ouring the elaboration of the 2007-2013 NSRF as a programming document,
 - a significant number of proposals submitted to the Ministry of Economy and Finance,
 - guidelines political choices at a national and European level and
 - quantitative data and studies were used as input.

Curricular Practical Training Program

Funded by European Union through NSRF
Limited to Greek Universities – may be mandatory
Intended for graduating seniors
Duration is 2 to 4 months – may be extended
High demand for it – students willing to work overtime!

A 34 students participated during past 18 months from University of Athens, University of the Aegean, National Technical University of Athens, and University of Crete etc.

CPT-related work

- High priority was given to digitizing sun duration data due to an increase in photovoltaic projects in Greece.
- University of Athens doctoral student digitized monthly sun duration data.
- Currently, university interns are digitizing hourly sun duration data.
- Various research projects were completed, results of which were presented at related conferences.

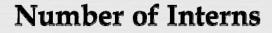
Sun Duration Data Rescued*

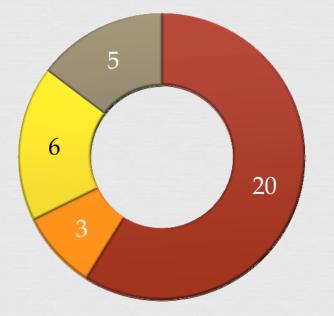
Meteorological Stations

Chios (1974-76) Ioannina (1964-76) Kythyra (1971-76) Rhodes (1964-76) Hellinikon (1962-76) Kalamata (1972-76) Limnos (1974-76) Kerkira (1962-76) Iraklio (1968-76) Naxos (1961-76) Andravida (1975-76) Larissa (1960-76) Methoni (1961-76) Serres (1972-76) Argostoli (1972-76) Pyrgos (1972-76) Mytilini (1960-76) Ierapetra (1968-76) Tympaki (1971-76) Siteia (1961-76) Skyros (1967-76)

*Monthly data

CPT Statistics (18-month period)





- Physics & Environmental Studies
- Applied Physics & Mathematics
- Geography/Geoinformatics

Geology/Geoscience

Directive 2007/60/EC

A Directive 2007/60/EC:

- is known as the Floods Directive
- requires that Member States assess if all water courses and coast lines are at risk from flooding
- aims to map the potential flooded areas and endangered assets and humans in order to take adequate and coordinated measures to reduce the risk
- reinforces the right of the public to access information and to participate in the planning process.

Floods Directive – Work in process

- Ministry of Environment, Energy & Climate Change-Special Secretariat for Water is responsible for the implementation of the Water Framework Directive in Greece.
- Real Plan is to develop:

Ref flood risk management plans

and perform intensity-duration-frequency estimation.

Precipitation Data Rescued*

- Agrinio
- Nea Agchialos
- Alexandroupolis
- Andravida
- Araxos
- Argostoli
- Hellinikon
- Herakleion
- Ioannina

- Kastoria
- Kerkira
- Kozani
- Kythira
- Lamia
- Larissa
- Leonidio
- Thessaloniki
- Mytilini

- Pyrgos
- Skyros
- Tatoi
- Tripolis
- Chios
- Chrysoupolis
- Florina

* As of September 2012

Additional Projects

Reper records put in plastic containers in new storage room.

Realized new climatological database (Oracle).

Rescuing of temperature data has started.

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Conclusions

- Curriculum practical training program implemented with NSRF funds is very successful.
- Students gain valuable experience while HNMS gets much needed help during a period of budget cuts and diminishing human resources.
- A steady inflow of students is a strong contributing factor to the success of Data Rescue projects.

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