

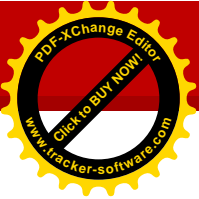


SAPIENZA
UNIVERSITÀ DI ROMA



Research/thesis collaborations with organizations other than NSIs: **Sapienza, ISPRA and FAO**

OFFICIAL STATISTICS – EMOS LABEL



Sapienza University of Rome

Master program: **Statistical Methods and Applications**

<http://sma.dss.uniroma1.it/>

<https://corsidilaurea.uniroma1.it/en/corso/2023/29939/home>

3 curriculum:

- DA (**Data Analyst** curriculum)
- OS (**Official Statistics** curriculum)
- QE (**Quantitative Economics** curriculum)



Statistical methods and applications, OS

120 ECTS: 12 Exams + other educational activities

First year: 60 ECTS

Second year: 60 ECTS

- Master Thesis: 30 ECTS
- Internship/Stage : 9 ECTS



Mandatory exams, SMA - OS

- Stochastic processes
- Sample surveys
- Spatial statistics and statistical tools for environmental data
- Applied Econometrics
- Data cleaning and integration in official statistics (*Istat*)
- Data quality and other topics of official statistics (*Istat*)
- Laboratory of financial and monetary statistics (*Bank of Italy*)
- The role of International Organizations in producing Official Statistics / Bayesian Modelling



Statistical methods and applications, OS

Second year: 60 ECTS

- Master Thesis: 30 ECTS
- Internship/Stage : 9 ECTS

Research/thesis collaborations with organizations other than Istat:

- ISPRA - https://www.isprambiente.gov.it/en?set_language=en
- FAO - <https://www.fao.org/home/en>

ISPRA – Italian Institute for Environmental Protection and Research

[Air](#)



[Authorizations and Environmental Assessments](#)



[Biodiversity](#)



[Climate change](#)



[Crisis, Environmental Emergencies and Damage](#)



[Environment and Health](#)



[Environmental certifications](#)



[Environmental education and training](#)



[Geological and Historical Collections](#)



[Geology, soil and contaminated sites](#)



[Laboratory](#)



[Library](#)



[Networks and Environmental Information Systems](#)



[Physical agents](#)



[Sea](#)



[Sustainable development](#)



[Urban Areas](#)



[Waste](#)



List of
Main
Topics
covered by
ISPRA

ISPRA – Italian Institute for Environmental Protection and Research

Environmental Education and Training



ISPRA promotes and develops education and training programs of environmental themes at national and international levels, through the following activities :

- **Environmental education** projects and initiatives
- Planning and organization of **environmental training courses** both in classroom than e-learning, also to support national and international projects
- **Internship** for the environmental training
- Coordination of the **Interagencial working group for the Education oriented to sustainability** and **Interagencial working group for the Permanent Training**

3 Internships: 2 SMA - OS and 1 SMA - DA

2022 Gael Raffy - OS

ISTITUTO SUPERIORE PER LA PROTEZIONE E LA RICERCA AMBIENTALE



MASTER'S DISSERTATION

Sea level and meteorological events:
relationship along the Italian coast



Student:
Gael RAFFY

Tutors:
Arianna ORASI
Marco PICONE

Referring teachers:
Giovanna JONA LASINIO (La Sapienza)
François COQUET (Ensaï)

2022

2023 Alice Foucher - OS

Istituto Superiore per la Protezione e la Ricerca Ambientale
(Italian Institute for Environmental Protection and Research)



MASTER THESIS:

Sea level along the Italian coast

Tutors:
Arianna ORASI
Marco PICONE

Sapienza - Università di Roma
Reference teacher: Giovanna JONA LASINIO



École nationale de la statistique et de l'analyse de l'information
Reference teacher: Laurent COSTA



Realised by: Alice FOUCHER

2023 Louis Romengas - DA

Comparison of extreme sea states across
multiple measurement sources in the Italian seas

Louis Romengas
2023

I am profoundly grateful to my mentors at ISPRA, Arianna Orasi and Marco Picone, for their insightful guidance and unwavering support throughout my internship. Their commitment to mentorship created an enriching environment that allowed me to grow, both professionally and academically. Their constant enthusiasm and passion not only made this experience enjoyable but also further fueled my curiosity and eagerness to learn.

My deepest appreciation goes to Professor Giovanna Jona Lasinio for extending this invaluable opportunity to me. Her astute advice and continuous encouragement throughout my master's thesis have been instrumental in my academic journey. Her guidance paved the way for me to explore, learn, and grow in this field, and for that, I am eternally grateful.

Lastly, I cannot thank my parents enough for their unending love and support. They patiently endured countless discussions filled with complex jargon, and their encouragement has been my stronghold.

This journey has been a tremendous learning experience, a voyage of discovery, and a time of personal and professional growth. To everyone who has been a part of it, thank you.



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FAO – Food and Agriculture Organization of the United Nations

- Statistics is at the heart of the work of FAO. Article 1 of its constitution states that: *“The Organization shall collect, analyze, interpret, and disseminate information relating to nutrition, food and agriculture”*.
- **4 Main areas of Statistical Work:** Data collection, Data dissemination, Statistical Methods, and Statistical Capacity Development
- The FAO’s statistical system operates under the oversight of the **Chief Statistician**, and it consists of a **Statistics Division**, **statistics units** embedded in technical departments (e.g. Fishery, Forestry, Land and Water, Emergencies and Resilience, etc.) and a **Data Lab for Statistical Innovation**.



Food and Agriculture
Organization of the
United Nations



SUSTAINABLE
DEVELOPMENT
GOALS

Areas of work of the Statistics Division



Food Security and Nutrition



Economic and Social



Crops, Livestock, and Food



Environment



Surveys



Census of Agriculture



Dissemination



Global Strategy



Methodological Innovation



Quality Assurance



Governance and Coordination (SDGs)



Internship at FAO

- **Chiara Romano (2022/2023)** – Governance and Coordination – Master’s thesis on “Leaving no one behind: Applying the Degree of Urbanization Methodology and Small Area Estimation techniques on SDG Indicators under FAO’s custodianship.”
- **Leonardo Costantini (2023/2024)** – Quality Assurance – Support in the implementation and analysis of the FAO Quality Assessment and Planning Survey.
- **Camilla Grande (2022)** – Governance and Coordination – Master’s thesis on “Alternative Methods for Measuring Sustainability in Agriculture”.
- **Federica D’ Agostino (2021/2022)** – Governance and Coordination – Support in implementing data disaggregation and progress assessment techniques on SDG Indicators.
- **Marco Mingione (2018)** – Methodological Innovations – Research paper on “Methodological proposal for monitoring SDG target 12.3. Sub-indicator 12.3.1.A the food loss index design, data collection methods and challenges”.



Future developments?

- Agreement Departement of Statistical Sciences – ISPRA
- Research collaboration between researchers
- Efforts to promote and spread EMOS opportunities among students



Thank you for your attention!

Questions?



SAPIENZA
UNIVERSITÀ DI ROMA



Food and Agriculture Organization
of the United Nations

roberta.varriale@uniroma1.it

sma-dss@uniroma1.it

arianna.orasi@isprambiente.it

ClaraAida.Khalil@fao.org