Curriculum Vitae

Marta Gaia Sperandii

Aug 2023



Find me at

• Institutional e-mail: mgsperandii@sci.muni.cz

• Personal e-mail: mg.sperandii[at]gmail.com

• Personal website: https://mgsperandii.netlify.app

• ResearchGate: Marta Gaia Sperandii

• Google Scholar: Marta Gaia Sperandii

• Twitter: mgsperandii

• ORCID: 0000-0002-2507-5928

• Web of Science Researcher ID: K-5617-2019

• Scopus ID: 57193845334

Current position

ERA postdoctoral fellow in the Vegetation Science Group at Masaryk University (Department of Botany and Zoology). With my EU-funded project VegTrends - Assessing long-term trends in the vegetation of European habitats and evaluating the effectiveness of protected areas" (https://cordis.europa.eu/project/id/101090344), I aim at producing a comprehensive and representative report of multi-faceted temporal trends in the vegetation of European open habitats.

Keywords

Temporal dynamics, Ecosystem stability, Protected areas effectiveness, Vegetation Ecology, Biodiversity, Coastal dunes, Dry grasslands.

Career highlights

• 26 published papers since 2017 in international, peer-reviewed, ISI-indexed journals, including 11 without the PhD supervisor. Impact factors of the journals ranging from 1.20 to 8.55. Citations in Scopus: #1098 (#1056 excluding self-citations); H-index in Scopus: 13 (#11 excluding self-citations).

- First, second or last author in 61% of my published manuscripts. Most first-author works published in high-quality journals (e.g. Journal of Ecology, Biological Conservation, Ecological Indicators, Science of the Total Environment).
- Active role in the scientific community. Member of the International Association for Vegetation Science (IAVS) and of the Italian Society for Vegetation Science (SISV). Past member of the Steering Committee of the IAVS working group "Young Scientists" (term 2019-2021). Current chair of the IAVS "Ecoinformatics" working group (term 2022-2026). Member of the IAVS Council for 2023-2027. Participation in the organization of a conference (25th Meeting of European Vegetation Survey), a field workshop (10th European Dry Grasslands Group Field Workshop) and two online workshops ("Challenges to Vegetation Science in the Face of Global change Perspectives from IAVS Young Scientists" organized by the IAVS Young Scientists working group; "From phytosociology to habitat monitoring" organized by the SISV)
- 14 conferences attended since 2016 (10 international + 4 national), for a total of 8 oral and 6 poster contributions.
- Reviewer for the following journals: Ecological Monographs, Diversity and Distributions, Journal of Vegetation Science, Applied Vegetation Science, Biodiversity & Conservation, Science of the Total Environment, Journal of Environmental Management, Journal of Environmental Planning and Management, Mediterranean Botany, Plant Sociology, Journal of Forestry Research.
- Co-supervisor of 2 M.Sc theses, defended at Roma Tre University. Currently co-supervising 2 PhD theses (Roma Tre University and Masaryk University).

Education

11/2016 - 10/2019: PhD in *Molecular, Cellular and Environmental Biology - curriculum Environmental Biology* (Università degli studi Roma Tre, Rome, Italy). Thesis: "Investigating patterns and drivers of temporal changes in taxonomic and functional diversity of coastal habitats".

09/2013 - 09/2015: M.Sc in Conservation and restoration of forest environments and soil defense (Università degli studi della Tuscia, Viterbo, Italy). Thesis: "Investigations on the ecology, distribution and phytosociology of Lobel's Maple". Mark obtained: $110/100 \ cum \ laude$.

09/2012 - 05/2013: Integrationskurs - Intensive German course (Volkshochschule Berlin - Neukölln, Berlin, Germany).

04/2011 - 11/2011: Post-graduate Diploma in Energy and Environment Management (Il Sole24ORE Business School, Rome, Italy).

09/2005 - 07/2010: Bachelor's Degree in *Landscape and Environmental Planning and Management* (Università degli Studi di Roma "Sapienza"). Thesis: "Eco-industrial districts as a challenging tool to combine economic growth and environmental sustainability: the case of the Sacco River Valley". Mark obtained: 110/110.

09/2000 - 07/2005: High school Diploma with an emphasis on Humanities (Liceo Classico E. Montale, Rome, Italy). Mark obtained: 98/100.

Work Experience

10/2022 - present: ERA-funded Postdoctoral Fellow in the Department of Botany and Zoology, Masaryk University. Brno, Czech Republic. Main tasks: Assessing temporal trends in the vegetation of open (i.e. non-forested) European habitats and evaluating the effectiveness of protected areas.

09/2020 - 09/2022: Postdoctoral Researcher at the Desertification Research Centre (CSIC-UV-GV). Moncada (Valencia), Spain. Main tasks: Investigate the drivers of temporal stability in plant and arthropod communities using data from the **Biodiversity Exploratories**. Managing and performing analyses on the **LOTVS collection** of vegetation time-series. Sampling a large biodiversity experiment to study the temporal stability of vegetation communities.

10/2020 - 02/2023: Contract Professor. Università degli studi Roma Tre, Rome, Italy. Main tasks: Preparing material, giving seminars and participating to teaching activities for the 2020/2021, 2021/2022, and 2022/2023 course in "Ecology" (B.Sc. in "Biological Sciences).

12/2019 - 03/2020: Contract Researcher. Università degli studi Roma Tre, Rome, Italy. Main tasks: Analysing temporal patterns of invasion by non-native species in coastal dune ecosystems. Funded by the project: "Developing state-of-the-art remote sensing tools for monitoring the impact of invasive plant species in coastal ecosystems in Israel and Italy" ("DERESEMII").

11/2017 - 03/2018: Environmental educator. Environmental association Marevivo, Rome, Italy.

09/2016 - 09/2016 and 07/2016 - 07/2016: Collect Earth expert. Food and Agriculture Organization of the United Nations- **FAO**, Rome, Italy. Main tasks: Collecting, analysing and evaluating forest data for the "Global LULUCF assessment", an international project aimed at identifying and quantifying land use/land cover trends through visual interpretation of high resolution images.

05/2016 - 06/2016: Environmental consultant. **HydranGea s.r.l.**, Rome, Italy. Main tasks: Floristic and vegetation sampling, creation of vegetation maps and participation in the development of Environmental Monitoring Plans for three dismissed nuclear sites in Italy (Casaccia - RM, Trino, VC - Caorso, PC).

Publications in journals indexed in Web of Science

(click on each DOI to check single publications)

- 1. Bazzichetto M., Lenoir J., Da Re D., Tordoni E., Rocchini D., Malavasi M., Barták V. & **Sperandii** M.G. 2023. Sampling strategy matters to accurately estimate response curves' parameters in species distribution models. *Global Ecology and Biogeography*. DOI:10.1111/geb.13725.
- 2. Bricca A., **Sperandii** M.G., Acosta A.T., Montagnoli A., La Bella G., Terzaghi M., & Carboni M. 2023. Above-and belowground traits along a stress gradient: trade-off or not?. *Oikos* e010043. DOI: 10.1111/oik.10043
- 3. Malavasi M., Bazzichetto M., Bagella S., Barták V., Depalmas A., Gregorini A., ... **Sperandii** M.G., ... & Bagella S. 2023. Ecology meets archaeology: Past, present and future vegetation-derived ecosystems services from the Nuragic Sardinia (1700–580 BCE). People and Nature, 5(3). https://doi.org/10.1002/pan3.10461
- 4. Renault D., Hess M.C.M., Braschi J., Cuthbert R.N., **Sperandii** M.G., Bazzichetto M., ... & Massol F. 2022. Advancing biological invasion hypothesis testing using functional diversity indices. *Science of the Total Environment* 834:155102. DOI: 10.1016/j.scitotenv.2022.155102
- 5. Yannelli F., Bazzichetto M., Conradi T., Pattison Z., Andrade B.O., Anibaba Q., ... & **Sperandii** M.G. 2022. Fifteen emerging challenges and opportunities for vegetation science A horizon scan by early career researchers. *Journal of Vegetation Science* 33:e13119. DOI: 10.1111/jvs.13119
- 6. **Sperandii** M.G., de Bello F., Valencia E., Götzenberger L., Bazzichetto M., Galland T., ... & Lepš J. 2022. LOTVS: a global collection of permanent vegetation plots. *Journal of Vegetation Science* 33:e13115. DOI: 10.1111/jvs.13115
- 7. Cascone S., **Sperandii** M.G., Cao Pinna L., Marzialetti F., Carranza M.L., & Acosta A.T.R. 2021. Exploring Temporal Trends of Plant Invasion in Mediterranean Coastal Dunes. *Sustainability* 13(24): 13946. DOI: 10.3390/su132413946
- 8. Bonari G., Fantinato E., Lazzaro L., **Sperandii** M.G., Acosta A.T.R., Allegrezza, M., . . . & Bagella S. 2021. Shedding light on typical species: implications for habitat monitoring. *Plant Sociology* 58:157–166. DOI: 10.3897/pls2020581/08
- 9. Biurrún I., Pielech R., Dembicz I., Gillet F., Kozub L., Marcenò C., ... **Sperandii** M.G., ... & Dengler J. 2021. Benchmarking plant diversity of Palaearctic grasslands and other open habitats. *Journal of Vegetation Science* 32(4): e13050. DOI: **10.1111/jvs.13050**
- 10. Sabatini F.M., Lenoir J., Hattab T., Arnst E.A., Chytrý M., Dengler J., . . . **Sperandii** M.G., . . . & Bruelheide H. 2021. sPlotOpen An environmentally balanced, open-access, global dataset of vegetation plots. *Global Ecology and Biogeography* 30: 1740–1764.DOI: 10.1111/geb.13346

- 11. **Sperandii** M.G, Barták V., Carboni M., Acosta A.T.R. 2021. Getting the measure of the biodiversity crisis in Mediterranean coastal habitats. *Journal of Ecology*. DOI: 10.1111/1365-2745.13547
- 12. Lampinen J., Tuomi M., Fischer L.K., Neuenkamp L., Alday J.G., Bucharova A., ... **Sperandii** M.G.,... & Klaus V.H. (2021). Acceptance of near-natural greenspace management relates to ecological and socio-cultural assigned values among European urbanites. *Basic and Applied Ecology* 50: 119:131. DOI: 10.1016/j.baae.2020.10.006
- Sperandii M.G., Barták V., & Acosta A.T.R. 2020. Effectiveness of the Natura 2000 network in conserving Mediterranean coastal dune habitats. Biological conservation 248: 108689. DOI: 10.1016/j.biocon.2020.108689
- 14. Filibeck G., **Sperandii** M.G., Bragazza L., Bricca A., Chelli S., Maccherini S., . . . & Cancellieri L. (2020). Competitive dominance mediates the effects of topography on plant richness in a mountain grassland. *Basic and Applied Ecology* 48: 112-123. DOI: **10.1016/j.baae.2020.09.008**
- 15. Fischer L.K., Neuenkamp L., Lampinen J., Tuomi M., Alday J.G., Bucharova A., ... **Sperandii** M.G., ... & Klaus V. 2020. Public attitudes toward biodiversity-friendly greenspace management in Europe. *Conservation letters*: e12718. DOI: 10.1111/conl.12718
- 16. Kattge J., Bönisch G., Díaz S., Lavorel S., Prentice I.C., Leadley P., ... **Sperandii** M.G., ... & Wirth C. 2020. TRY plant trait database-enhanced coverage and open access. *Global Change Biology* 26(1): 119-188. DOI: 10.1111/gcb.14904
- 17. Bazzichetto M., **Sperandii** M.G., Malavasi M., Carranza M.L., & Acosta A.T.R. 2020. Disentangling the effect of coastal erosion and accretion on plant communities of Mediterranean dune ecosystems. *Estuarine*, *Coastal and Shelf Science*: 106758. DOI: 10.1016/j.ecss.2020.106758
- 18. Filibeck G., Cancellieri L., Bartolucci F., Becker U., Conti F., Maestri S., Mürz M., Schommer E., **Sperandii** M.G. & Becker T. 2019. Festuca valesiaca Schleich. ex Gaudin newly discovered in the Central Apennines (Italy): a further example of steppe relict in the Abruzzo "dry valleys". *Plant Biosystems-An International Journal Dealing with all Aspects of Plant Biology*. DOI: **10.1080/11263504.2019.165178**
- 19. Filibeck G., **Sperandii** M.G., Bazzichetto M., Mancini L.D., Rossini F., & Cancellieri L. 2019. Exploring the drivers of vascular plant richness at very fine spatial scale in sub-Mediterranean limestone grasslands (Central Apennines, Italy). *Biodiversity and Conservation* 28: 2701-2725. DOI: 10.1007/s10531-019-01788-7
- 20. Marzialetti F., Giulio S., Malavasi M., **Sperandii** M.G., Acosta A.T.R., & Carranza M.L. 2019. Capturing Coastal Dune Natural Vegetation Types Using a Phenology-Based Mapping Approach: The Potential of Sentinel-2. *Remote Sensing* 11(12): 1506. DOI: 10.3390/rs11121506
- 21. **Sperandii** M.G., Bazzichetto M., Gatti F., & Acosta A.T.R. 2019. Back into the past: Resurveying random plots to track community changes in Italian coastal dunes. *Ecological Indicators* 96: 572-578. DOI: 10.1016/j.ecolind.2018.09.039
- 22. **Sperandii** M.G., Bazzichetto M., Acosta A.T.R., Barták V., & Malavasi M. 2019. Multiple drivers of plant diversity in coastal dunes: A Mediterranean experience. *Science of The Total Environment* 652: 1435-1444. DOI: 10.1016/j.scitotenv.2018.10.299
- Dengler J., Wagner V., Dembicz I., García-Mijangos I., Naqinezhad A., Boch S., ... Sperandii M.G.,...
 Janišová M. 2018. GrassPlot-a database of multi-scale plant diversity in Palaearctic grasslands. *Phyto-coenologia* 48(3): 331-347. DOI: 10.1127/phyto/2018/0267
- 24. **Sperandii** M.G., Prisco I. & Acosta, A.T.R. 2018. Hard times for Italian coastal dunes: insights from a diachronic analysis based on random plots. *Biodiversity and Conservation* 27(3): 633-646. DOI: 10.1007/s10531-017-1454-1
- 25. **Sperandii** M.G., Prisco I., Stanisci A. & Acosta, A.T.R. 2017. RanVegDunes-A random plot database of Italian coastal dunes. *Phytocoenologia* 47(2): 231-232. DOI: 10.1127/phyto/2017/0198

- 26. Cancellieri L., **Sperandii** M.G. & Filibeck G., 2017. First record of the steppic relict Astragalus exscapus L. subsp. exscapus in the Apennines (Abruzzo, Italy), and biogeographic implications. *Plant Biosystems-An International Journal Dealing with all Aspects of Plant Biology* 151(6): 944-948. DOI: 10.1080/11263504.2017.1311963
- 27. Cancellieri L., Mancini L.D., **Sperandii** M.G., Filibeck G., 2017. In and out: Effects of shoot-vs. rooted-presence sampling methods on plant diversity measures in mountain grasslands. *Ecological Indicators* 72: 315-321. DOI: **10.1016/j.ecolind.2016.08.029**

Publications in journals not indexed in Web of Science

- 1. Filibeck G., Cancellieri L., **Sperandii** M.G., Belonovskaya E., Sobolev N., Tsasarevskaya N., . . . & Conti F. 2018. Biodiversity patterns of dry grasslands in the Central Apennines (Italy) along a precipitation gradient: experiences from the 10th EDGG Field Workshop. *Bulletin of the Eurasian Dry Grassland Group* 36: 25-41. DOI: https://doi.org/10.21256/zhaw-3521
- 2. Filibeck G., Cancellieri L., **Sperandii** M.G., Dengler J., Biurrun I. 2017. Invitation to the 10th EDGG Field Workshop "Biodiversity patterns across a precipitation gradient in the Central Apennine mountains". *Bulletin of the European Dry Grassland Group* 33: 3-12. DOI: **10.21570/EDGG.Bull.33.3-12**

$Bibliometric\ indicators$

Bibliometric indicators from **Scopus** (last update: 2023-08-25).

Overall bibliometric indicators

Number.of.publications	Number.of.citations	H.index
26	1098	13

Funding and Awards

- HORIZON-WIDERA-2022-TALENTS-02 fellowship (grant number: 101090344).
- Early Career Researcher Award 2023 (awarded by SCB Italy)
- Travel grants to attend the 2017 IAVS Symposium in Palermo (210 eur.) and the 2019 IAVS Symposium in Bremen (550 eur.).

Conferences

- Sperandii M.G., Knollová I., Essl F., Bruelheide H., the ReSurveyEurope Contributors, Chytrý M. 2023. Introducing VegTrends: an EU-funded project to assess long-term trends in European vegetation and evaluating the effectiveness of protected areas. 31st Conference of the European Vegetation Survey: European vegetation survey: methods and approaches in a changing environment. Book of Abstracts. p.71. Oral communication.
- Sperandii M.G., the ReSurveyEurope Contributors, Chytrý M. 2023. Introducing VegTrends: an EU-funded project to assess long-term trends in European vegetation and evaluating the effectiveness of protected areas. Challenging conservation adattarsi al cambiamento. Prima Conferenza di Biologia della Conservazione per Early Career Researchers. Book of Abstracts. p.6. Oral communication.

- Sperandii M.G., Bazzichetto M., Acosta A.T.R. 2022. *Invited talk*. Challenges and pitfalls in assessing protected areas effectiveness. 55th International Congress of the Italian Society of Vegetation Science (SISV) "Vegetation Science and Global Changes: Scenarios, Challenges and Innovation. Oral communication.
- Sperandii M.G., Bazzichetto M., Malavasi M., Bartàk V., Carboni M., de Bello F., Acosta A.T.R. 2021. Drivers of temporal changes in Mediterranean coastal dune habitats. 54th International Congress of the Italian Society of Vegetation Science (SISV) "Twenty years in the third millennium with Vegetation Science" (online meeting). Book of Abstracts. p.49. Oral communication.
- Sperandii M.G., de Bello F., Bazzichetto M., Valencia E., Götzenberger L., Lepš J., the Biodiversity Exploratories team, Gossner M.M. 2021. Land-use modulates the influence of different diversity facets on ecosystem stability. 63rd IAVS annual symposium "Vegetation goes Virtual" (online meeting). Book of Abstracts. p.156. Oral communication.
- Sperandii M.G., Bazzichetto M., Malavasi M., Bartàk V., Carboni M., de Bello F., Acosta A.T.R. 2021. Drivers of temporal changes in Mediterranean coastal dune habitats. 29th Meeting of the European Vegetation Survey "Revegetating Europe Contributions of the EVS to the UN Decade on Ecosystem Restoration" (online meeting). Book of Abstracts. p.62. Oral communication.
- Sperandii M.G., Barták V., Acosta A.T.R 2019. Through the lens of time: experiences from a resurveying study of coastal dune ecosystems in Central Italy. In Gavilán R.G. & Gutiérrez-Girón A. (Eds.). 28th Meeting of the European Vegetation Survey "Vegetation Diversity and Global Change". Book of Abstracts. p.10. Oral communication.
- Sperandii M.G., Barták V., Acosta A.T.R 2019. Multi-temporal analysis of coastal dune ecosystems in Central Italy: experiences from a resurveying study. In Diekmann M. (Ed.). 62nd Annual Symposium of the International Association for Vegetation Science "Vegetation Science and Biodiversity Research". Book of Abstracts. p.228. Poster communication.
- Sperandii M.G., Barták V, Acosta A.T.R. 2019. Through the lens of time: experiences from a resurveying study of coastal dune ecosystems in Central Italy. In Riveccio G. e Bagella S. (Eds.). 53° Congresso della Società Italiana di Scienze della Vegetazione "Gestione sostenibile degli habitat: biodiversità, plant traits, servizi ecosistemici". Abstract book. p.52. Università degli Studi di Sassari. ISBN 979-12-200-4980-1. Oral communication.
- Sperandii M.G., Prisco I., Stanisci A., Acosta A.T.R. 2018. Using RanVegDunes, a random plot database of Italian coastal dunes. 2018 LifeWatch Italy Annual Conference. Abstract book. p.19. Cnr Edizioni. ISBN 9788880803188. Poster communication.
- Sperandii M.G., Acosta A.T.R. 2017. Tracking temporal changes in Italian coastal dunes: first results from a 12-years resurvey of a small area near Rome (Italy). In Loidi J. et al (Eds.). 26th Congress of the European Vegetation Survey "Diversity patterns across communities in the frame of global change: conservation challenges" (p. 103). Book of Abstracts. Universidad del País Vasco / Euskal Herriko Unibertsitatea, Argitalpen Zerbitzua, Bilbao. Poster communication.
- Sperandii M.G., Prisco I., Acosta A.T.R. 2017. What has happened to coastal dune vegetation in the last decade? A diachronic analysis based on random plots. In Guarino R., Bazan G., Barbera G. (Eds.) 60th IAVS annual symposium "Vegetation patterns in natural and cultural landscapes". Abstracts book (p. 316). Palermo University Press, Palermo. Poster communication.
- Sperandii M.G., Prisco I., Stanisci A., Acosta A.T.R. 2017. Introducing RanVegDunes, a random plot-database of Italian coastal dunes. In Buldrini F., Chiarucci A., Donati D., Lelli C., Nascimbene J., Pezzi G., A. Velli A. (Eds). Atti del 51° congresso della Società Italiana di Scienza della Vegetazione "Servizi Ecosistemici e Scienza della Vegetazione" (p. 77). Dipartimento di Scienze Biologiche, Geologiche e Ambientali Alma Mater Studiorum Università di Bologna, Bologna. Poster communication.
- Sperandii M.G., Spada F., Massimi M., Agrillo E. 2016. Coenology of Acer cappadocicum subsp. lobelii in Italy. Book of Abstracts Posters. 25th Meeting of European Vegetation Survey, Rome, 2013, April 6-9. pp. 96. Poster communication.

Memberships

- Member of the International Association for Vegetation Science (IAVS).
- Member of the Italian Society of Vegetation Science (SISV).
- Member of the Italia Chapter of the Society for Conservation Biology (SCB Italy).

Academic services

- Current Member of the IAVS Council (2023-2027)
- Current Chair of the Steering Committee of the IAVS working group "Ecoinformatics" (2022-2026)
- Member of the Steering Committee of the IAVS working group "Young Scientists" (2019-2021)

Editorial services

Since December 2022: Editorial Review Board member for the Journal of Vegetation Science

Reviewer for the following journals: Ecological Monographs, Diversity and Distributions, Journal of Vegetation Science, Applied Vegetation Science, Biodiversity & Conservation, Science of the Total Environment, Journal of Environmental Management, Journal of Environmental Planning and Management, Mediterranean Botany, Plant Sociology, Journal of Forestry Research. (more info on my WoS profile).

External reviewer of research proposals for the National Research, Development and Innovation Office of Hungary (NKFIH).

Mentoring

- Klinkovská K. (Masaryk University, PhD thesis, ongoing). "Changes in the non-forest vegetation of Czech Republic".
- Sarmati S. (Roma Tre University, PhD thesis, ongoing). "Resurveying most threatened Italian habitats".
- Cascone S., 2020. "Analisi dei cambiamenti temporali della macchia mediterranea lungo le coste del Lazio" (Roma Tre University, Master's thesis).
- Gatti F., 2018. "La vegetazione costiera psammofila dell'Italia centrale: un'analisi multitemporale" (Roma Tre University, Master's thesis).

Organization of conferences, symposia, workshops

- Online workshop "Emerging challenges in Vegetation Science" (October 13th-14th 2020). Organized with the IAVS Young Scientists Steering Committee.
- Online workshop "Dalla Fitosociologia al monitoraggio degli habitat: specie caratteristiche, specie diagnostiche, specie tipiche" (October 9th 2020). Organized with a team of the Italian Society of Vegetation Science.
- Support in the organization of the 10th European Dry Grasslands Group (EDGG) Field Workshop (3- 11 June 2017, Central Apennines)
- Support in the organization of the 25th Workshop of European Vegetation Survey (6-9 April 2016, Rome)

$Workshops\ attended$

- 04-05/06/2022. Online workshop "Trait and phylogenetic analyses of community data", organised by the Biodiversity Exploratories.
- 13-14/06/2019. Workshop "Sampling and analyzing data in vegetation ecology", organized by the Ecological section of the Italian Botanical Society in Siena (Italy).
- 3-7/06/2019. Working group meeting on Biological invasions organized by the Groupement de Recherche CNRS 3647 Invasions Biologiques in St. Malo (France).
- 23-26/06/2018. Field Workshop "Biodiversity patterns in karst grasslands: structural aspects and functional responses at small spatial scales", organized by the Ecological section of the Italian Botanical Society in Pescasseroli (Italy).

$Other\ activities$

• Invited talk at the Institut für Biologie, Bereich Pflanzenwissenschaften, Universität Graz, Austria. 19/03/2019. Multi-temporal analysis of coastal dune ecosystems in Central Italy: experiences from a resurveying study.