

Anastasia Patera

E-mail: apatera@gmail.com

ORCID: 0000-0003-0943-7869

<https://www.linkedin.com/in/apatera/>

Current Position : 15/4/2025 – Present: **Environmental Consultant**
NCC - Nature Conservation Consultants Ltd
Pentelis Avenue 20, GR 152 35, Vrilissia, Athens, Greece
<http://www.n2c.gr>

6/10/2025 – 13/2/2026: **Adjunct Lecturer**
University of the Aegean, School of the Environment, Department of
Marine Sciences, Mytilene, Lesvos, Greece
Course: Marine Spatial Planning and Geoinformatics

Education : 2022: Ph.D. in coastal management
University of the Aegean, School of the Environment, Department of
Marine Sciences, Mytilene, Lesvos, Greece
Ph.D. title: “Development of tools for supporting decision making in
coastal zones”

2012: M.Sc. in Environmental Policy and Management
University of the Aegean, School of the Environment, Department of
the Environment, Mytilene, Lesvos, Greece
Thesis title: “Biological invasions: the case of *Ailanthus altissima* in
Lesvos, Greece”

2011: B.Sc. in Marine Sciences
University of the Aegean, Department of Marine Sciences, Mytilene,
Lesvos, Greece
Thesis title: “Assessment of eutrophication levels in the coastal zone by
combining GIS and Principal Component Analysis”

2023: Certificate of Pedagogical and Teaching Competence
Pedagogical Training Program (EPPAIK), School of Pedagogical and
Technological Education (ASPETE), Mytilene, Greece.

Seminars : May 2013: Basic Training Certificate in IDL programming language,
by Inforest Research, Athens

June 2013: An Introduction to Interactive Programming in Python, by
Coursera (www.coursera.com)

Languages : *Greek:* Native
English: CERF level C2, Certificate of Proficiency in English – ECPE
(13/12/2015)

Chinese: CERF level A2, HSK2 (1/9/2021)

Italian: Beginner

**Conference
Presentations :**

Barianaki I., Kyvelou S., Banela M., Kitsiou D., **Patera A.**, Marava N., Smanis Th., Chiotinis N., Chiotini M. (2024). Sociocultural Values in Maritime Spatial Planning: a novel approach for defining socio-culturally significant areas on the coastal/insular space. International Conference on “Changing Cities VI”: Spatial, Design, Landscape, Heritage & Socio-economic Dimensions Main Theme: Climate Crisis. Cities’ transitions towards smart & green development Rhodes Island, Greece, 24-28 June 2024.
https://changingcities.prd.uth.gr/cc/images/PROGRAM/FINAL_PROGRAM_CCVI_21_6_2024.pdf

Kitsiou D., Pataki Z., Nitis T., **Patera A.**, Kontopoulos C., Charalambopoulou V., Tzepkenlis A., Grammalidis N., (2023). *Natural Resources Management Seasonal changes of soil erosion and its spatial distribution in river catchments in Northern Greece*. The 10th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2023) and SECOTOX Conference, Skiathos Island, Greece, 5-9 June 2023.
<https://cemepe10.civil.auth.gr/wp-content/uploads/2023/05/PROGRAM-FINAL-CEMEPE-2023-1.pdf>

Nikitakos N., Kitsiou D., Banela M., **Patera A.**, Stefanakou A.A., (2023). *Environmental impact of maritime logistics using satellite data*. The 12th International Maritime Transport and Logistics Conference (Marlog 2023), Alexandria, Egypt, 12-14 March 2023.
<https://marlog.aast.edu/en/full-program>

Patera A., Banela M., Kitsiou D., (2022). *Assessment of the quality of the marine environment using data from the COPERNICUS service*. 12th Panhellenic Conference HellasG.I.s., Athens, 1-2 December 2022.
https://hellasgi.gr/wp-content/uploads/2022/11/TEAIKO-IIPOΓPAMMA_12o-ΠANEΛΛHNIΟ-ΣYNEΔPIO-HellasGIs.pdf

Kyvelou S.S, Gospodini A., Kitsiou D., Ierapetritis D., Barianaki E., Smanis A., Chiotinis N., Nitis Th., Vouza A.R., Banela M., **Patera A.**, Chiotinis M., 2022, ‘Developing an Observation Network for Maritime Cultural Heritage (MCH/UCH) in Greece: the HER-SEA project’, International conference on CHANGING CITIES V: Spatial, Design, Landscape. Heritage & Socioeconomic dimensions’, 20-25 June 2022, Corfu Island, Greece.
https://re.public.polimi.it/retrieve/8506b2e2-416c-4100-a171-28a0b7f27044/CCV_2022_BOOK%20of%20PROCEEDINGS.pdf

Patera A., Pataki Z., Kitsiou D., Nitis T., Kontopoulos C., Charalambopoulou V., Grammalidis N., and Tzepkenlis A., (2022). *Visualization of soil erosion in the Aliakmonas and Axios river catchments via a webGIS application*. 9th International Conference on

Environmental Management, Engineering, Planning and Economics (CEMEPE 2022) and SECOTOX Conference, Mykonos island, Greece, 3-9 June 2022. <https://cemepe9.civil.auth.gr/wp-content/uploads/2023/03/CEMEPE-2022-PROGRAM.pdf>

Nitis T., Kitsiou D., Koracin D., **Patera A.**, (2022). *High resolution mapping of marine heatwaves in the Aegean Sea*. 9th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2022) and SECOTOX Conference, Mykonos island, Greece, 3-9 June 2022. <https://cemepe9.civil.auth.gr/wp-content/uploads/2023/03/CEMEPE-2022-PROGRAM.pdf>

Patera A., Tsoumachidis A. and Kitsiou D., (2021). *Marine spatial planning: a GIS toolbox to assess the significance of conflicts of activities in coastal areas*. 4th International Congress on Applied Ichthyology, Oceanography & Aquatic Environment HydroMedit 2021, virtual, 4-6 November 2021. <http://diae.uth.gr/docs/files/imerides/Hydromedit2021%20-%20Proceedings%20Book%20-%20Preview.pdf>

Patera A., Pataki Z., Kitsiou D., (2021). *A webGIS tool to support application of management scenarios in the framework of Marine Spatial Planning*. 14th Coastal GIS Symposium "Sustainable Coastal Planning in a Changing World", Raseborg, Finland and Online, 16-18 September 2021. <https://www.novia.fi/assets/Projectsites/CoastGIS/CoastGIS-2021-Book-of-Abstracts.pdf>

Pataki Z., **Patera A.**, Kontopoulos C., Karantanellis E., Kitsiou D., Nitis T., Kostopoulou M., Grammalidis N., Tzepkenlis A., Charalambopoulou V., (2021). *Average annual soil erosion and sediment deposition in the Aliakmonas and Axios river catchments using the RUSLE model*. 17th International Conference on Environmental Science & Technology (CEST), Athens, Greece, 1-4 September 2021.

Karantanellis E., Pataki Z., **Patera A.**, Kontopoulos C., Kitsiou D., Nitis T., Kostopoulou M., Grammalidis N., Tzepkenlis A., Charalambopoulou B., (2021). *Application of the SWAT model in the Aliakmonas and Axios river catchments for assessing soil erosion*. 8th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2021) and SECOTOX Conference, Thessaloniki, Greece, 20-24 July 2021.

Kontopoulos, C., Charalambopoulou, V., Grammalidis, N., Tzepkenlis, A., Pataki Z., **Patera A.**, Karantanellis E., Kitsiou D., Nitis T., (2021). *Assessment of coastline change in the deltas of Aliakmonas and Axios rivers using Automated workflows on Multispectral timeseries imagery*. 8th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2021) and SECOTOX Conference, Thessaloniki, Greece, 20-24 July 2021.

Kontopoulos, C., Grammalidis, N., Kitsiou, D., Charalampopoulou, V., Tzepkenlis, A., **Patera, A.**, Pataki, Z., Li, Z., Li, P., Guangxue, L., Lulu, Q., and Dong, D., (2021). *An integrated decision support system using satellite and in-situ data for coastal area hazard mitigation and resilience to natural disasters*. EGU General Assembly 2021, online, 19–30 April 2021, EGU21-14674, <https://doi.org/10.5194/egusphere-egu21-14674>.

Patera A., Kitsiou D., (2019). *Development of a webGIS application for assessing the environmental quality of coastal areas*. 27th ArcGIS Users Meeting of Greece, Marathon Data Systems, Athens, 30-31 May 2019.

Patera A., Pataki Z., Kitsiou D., (2018). *The use of webGIS applications in Marine Spatial Planning: A case study in the Aegean Sea*. International Conference ECHOPOLIS 2018 “Nature and Culturebased strategies and solutions for cities and territories”, Athens, 26-28 November 2018.

Patera A., Kitsiou D., (2018). *Synthesis of oceanographic spatial data in a webGIS environment*, 26th ArcGIS Users Meeting of Greece, Marathon Data Systems, Athens, 10-11 May 2018.

Kitsiou D., Tsegas G., Nitis T., **Patera A.**, (2017). *Development of a webGIS tool to assess the accuracy of spatial interpolators in oceanographic studies*. 6th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE) and SECOTOX conference, Thessaloniki, Greece 25-30 June 2017.

Pataki Z., PateraA., Kitsiou D., (2016). *Study of conflicts of activities in maritime space through a web-based GIS application*. 9th Panhellenic Conference HellasG.I.s., Athens, Athens 8-9 December 2016.

Patera A., Pataki Z., Kitsiou D., (2016). *Usefulness of geoinformatics and online applications in marine spatial planning*. 24th ArcGIS Users Meeting of Greece, Marathon Data Systems, Athens, 16 May 2016.

Patera A., Kitsiou D., Kostopoulou-Karadanelli M. (2014). *A webGIS tool for applying multi-criteria analysis to assess coastal environmental quality*. 12th International Conference "Protection & Restoration of the Environment - PRE12" Skiathos Island, 29 June- 4 July 2014.

Patera A., Kitsiou D. (2013), *Combining GIS and Principal Component Analysis to assess the quality of the marine environment*. 21th Hellenic meeting of GIS users, Marathon Data Systems, Athens, May 23-24.

Patera A., Siamantziouras A., Matsinos I. (2012), *Biological invasions: the case of *Ailanthus altissima* in Lesbos*. 6th Congress of the Hellenic Ecological Society, Athens, October 4-7.

Publication :

Thanopoulou H., **Patera A.**, Moresis O., Georgoulis G., Lioumi V., Kanavos A., Papadimitriou O., Zervakis V., Dagkinis I. (2023). *Supporting Informed Public Reactions to Shipping Incidents with Oil Spill Potential: An Innovative Electronic Platform*. Sustainability, 15, 15035
<https://doi.org/10.3390/su152015035>

Tzepkenlis A., Grammalidis N., Kontopoulos C., Charalampopoulou V., Kitsiou D., Pataki Z., **Patera A.**, Nitis T., (2022). *An Integrated Monitoring System for Coastal and Riparian Areas Based on Remote Sensing and Machine Learning*. Journal of Marine Science and Engineering, 10(9), 1322 <https://doi.org/10.3390/jmse10091322>

Patera, A., Pataki, Z., Kitsiou, D. (2022). *Development of a webGIS Application to Assess Conflicting Activities in the Framework of Marine Spatial Planning*. Journal of Marine Science and Engineering, 10(3), 389 <https://doi.org/10.3390/jmse10030389>

Kontopoulos C., Grammalidis N., Kitsiou D., Charalampopoulou V., Tzepkenlis A., **Patera A.**, Pataki Z., Li Z., Li P., Guangxue L., Lulu Q., Dong D. (2021). *An integrated decision support system using satellite and in-situ data for coastal area hazard mitigation and resilience to natural disasters*. EGU General Assembly 2021 <http://dx.doi.org/10.5194/egusphere-egu21-14674>

Kitsiou, D., **Patera, A.**, Tsegas, G., Nitis, T. (2021). *A webGIS Application to Assess Seawater Quality: A Case Study in a Coastal Area in the Northern Aegean Sea*. Journal of Marine Science and Engineering, 9(1), 33 <https://doi.org/10.3390/jmse9010033>.

Kitsiou D., **Patera A.**, Kostopoulou M. (2018). *A GIS methodology to support, sea water quality assessment in coastal areas*, Global NEST Journal, 20, 1, pp 122-127 <https://doi.org/10.30955/gnj.002385>

Work Experience:

1/10/2024 – 14/2/2025: **Adjunct Lecturer**

University of the Aegean, School of the Environment, Department of Marine Sciences, Mytilene, Lesvos, Greece
Course: Marine Spatial Planning and Geoinformatics

2022-2025: **Postdoctoral researcher**

Laboratory of Environmental Quality and Geospatial Applications, University of the Aegean, School of the Environment, Department of Marine Sciences, Mytilene, Lesvos, Greece

Research Interests: Environmental policy, Stakeholder Analysis, Marine Spatial Planning, Spatial databases, WebGIS, Coastal Management, RES zoning

24/02/2022-23/06/2024: External Research Associates

(a) Development/construction of the geodatabase and maps for the cultural characteristics of various areas within the maritime areas of the North Aegean, South Aegean and Crete (according to the procedural act of the Ministerial Council of “National Spatial Planning Strategy for maritime area”) of the corresponding GIS (webGIS) “HER-SEA platform” and the application (HER-SEA app) (concurrently with the preparation of a scientific report), in 2 case studies including the analysis of the characterization of the case studies according to the typology, (b) Participation in the scientific publications in scientific journals and conferences, Editing of cartographic material for the Her-Sea Guide related to the inclusion of marine/underwater cultural heritage in the MSP

Project Title: Developing an Observation Network for Maritime Cultural Heritage (MCH/UCH) in Greece, (HER-SEA) funded by the Hellenic Foundation for Research and Innovation. Research and Development Fund of Panteion University.

19/05/2023-31/10/2023: External Research Associates

Contribution to the deliverables: Thematic maps of distribution of Significant Species and Habitats accompanied by a relevant technical report and Development / ”colonization” of interactive platform AEGIS+ MARE, within the framework of the Operational Program: “Tools, Platforms, and Applications AEGIS+ MARE”.

Project Title: Extension of the research infrastructure “Coastal Environment Observatory AEGIS+” within the Operational Programme “Competitiveness, Entrepreneurship and Innovation” (NSRF 2014-2020), cofinanced by the Hellenic Government (Ministry of Development and Investments) and the European Union (European Regional Development Fund, Cohesion Fund), Research and Development Fund of the University of the Aegean.

28/07/2022-31/05/2023: External Research Associates

Participation in organizing the workshop and scheduled training sessions, as well as in implementation and writing of planned publications.

Project Title EPIPELAGIC: *ExPert Integrated suPport systEm for coastaL mixed urbAn – industrial – critical infrastructure monitorinG usIng Combined technologies*, co-financed by the European Regional Development Fund of the European Union and Greek national funds through the Operational Program Competitiveness, Entrepreneurship and Innovation (EPAnEK 2014-2020), under the call “Bilateral and Multilateral RTD cooperation between Greece and China 2017-2019”.

1/12/2022 – 31/05/2023: External Research Associates

Pasticipation in writing reports related to strategies and policies for coastal zone management, the commercialization/sustainability plan of the results and the added value of Greece-China cooperation.

Project Title EPIPELAGIC: *ExPert Integrated suPport systEm for coastaL mixed urbAn – industrial – critical infrastructure monitorinG usIng Combined technologies*, co-financed by the European Regional Development Fund of the European Union and Greek national funds through the Operational Program Competitiveness, Entrepreneurship and Innovation (EPAnEK 2014-2020), under the call “Bilateral and Multilateral RTD cooperation between Greece and China 2017-2019”.

28/07/2022-13/02/2023: External Research Associates

Participation in the implementation of the case study in the study area (Thermaic Gulf, Greece) and in the writing of corresponding report

Project Title EPIPELAGIC: *ExPert Integrated suPport systEm for coastaL mixed urbAn – industrial – critical infrastructure monitorinG usIng Combined technologies*, co-financed by the European Regional Development Fund of the European Union and Greek national funds through the Operational Program Competitiveness, Entrepreneurship and Innovation (EPAnEK 2014-2020), under the call “Bilateral and Multilateral RTD cooperation between Greece and China 2017-2019”.

28/07/2022-13/02/2023: External Research Associates

Participation in the evaluation of the capabilities of the software to be developed to complete its implementation.

Project Title EPIPELAGIC: *ExPert Integrated suPport systEm for coastaL mixed urbAn – industrial – critical infrastructure monitorinG usIng Combined technologies*, co-financed by the European Regional Development Fund of the European Union and Greek national funds through the Operational Program Competitiveness, Entrepreneurship and Innovation (EPAnEK 2014-2020), under the call “Bilateral and Multilateral RTD cooperation between Greece and China 2017-2019”.

14/07/2021-19/05/2023: Postdoctoral Scholar

Participation in action 1.2 “e-Aegean-Geo-spatial data services” related to the development of digital educational material and the writing of publications.

Project Title: e-Infrastructure [e-Aegean R&D Network] within the framework of the “Regional Excellence” Action of the Operational Program “Competitiveness, Entrepreneurship and Innovation”. The action was co-funded by the European Regional Development Fund (ERDF) and the Greek State, Partnership and Cooperation Agreement 2014–2020.

20/10/2021-19/05/2023: Postdoctoral Scholar

Participation in action 1.2 “e-Aegean-Geo-spatial data services” related to the development of visualization and estimation tools for marine pollution phenomena.

Project Title: e-Infrastructure [e-Aegean R&D Network] within the framework of the “Regional Excellence” Action of the Operational Program “Competitiveness, Entrepreneurship and Innovation”. The action was co-funded by the European Regional Development Fund

(ERDF) and the Greek State, Partnership and Cooperation Agreement 2014–2020.

14/07/2021-19/11/2022: Postdoctoral Scholar

Participation in action 1.2 “e-Aegean-Geo-spatial data services” related to the development of an Information System for visualization and composition of information from satellite data, with a connection to the applications of EU Copernicus and ESA.

Project Title: e-Infrastructure [e-Aegean R&D Network] within the framework of the “Regional Excellence” Action of the Operational Program “Competitiveness, Entrepreneurship and Innovation”. The action was co-funded by the European Regional Development Fund (ERDF) and the Greek State, Partnership and Cooperation Agreement 2014–2020.

26/07/2021-19/02/2022: Researcher in geosciences and oceanography

Development of a visualized geodatabase and participation in organizing an educational seminar specifically contributing to deliverables: “D2.2.11a Organization of an educational seminar (Workshop), targeting undergraduate and postgraduate students with the subject of Techniques for Collection and Utilization of Biological Parameter Data, incorporating best practices to be developed within the framework of the ECO-marine platform”, and “D6.1.3 Geodatabase of marine areas with significant environmental interest and use, accessible via the internet, installed on the central computers of the University of the Aegean, suitable for cartographic representation”.

Project Title: “ENIRISST - Intelligent Research Infrastructure for Shipping, Supply Chain, Transport and Logistics” (MIS5027930) within the Operational Programme “Competitiveness, Entrepreneurship and Innovation” (NSRF 2014-2020), cofinanced by the Hellenic Government (Ministry of Development and Investments) and the European Union (European Regional Development Fund, Cohesion Fund), Research and Development Fund of the University of the Aegean.

1/10/2020-31/10/2021: External Research Associates

(a) Organization of the workshop and the scheduled trainings sessions, (b) Participation in the implementation and writing of the planned publications.

Project Title EPIPELAGIC: *ExPert Integrated suPport systEm for coastaL mixed urbAn – industrial – critical infrastructure monitorinG usIng Combined technologies*, co-financed by the European Regional Development Fund of the European Union and Greek national funds through the Operational Program Competitiveness, Entrepreneurship and Innovation (EPAnEK 2014-2020), under the call “Bilateral and Multilateral RTD cooperation between Greece and China 2017-2019”.

1/10/2020-31/10/2021: External Research Associates

(a) Collection of satellite data from SAR and participation in the writing of the respective processing report, (b) Collaboration with the Chinese research team for the comparative evaluation of the respective case studies, (c) Participation in the writing of the report regarding the applied methodology.

Project Title EPIPELAGIC: *ExPert Integrated suPport systEm for coastaL mixed urbAn – industrial – critical infrastructure monitorinG usIng Combined technologies*, co-financed by the European Regional Development Fund of the European Union and Greek national funds through the Operational Program Competitiveness, Entrepreneurship, and Innovation (EPAnEK 2014-2020), under the call “Bilateral and Multilateral RTD cooperation between Greece and China 2017-2019”.

1/10/2020-31/10/2021: **External Research Associates** Evaluation of the capabilities of the software that will be developed in order to complete its implementation, within the framework of the deliverable “Development of the Epipelagic Platform with WPS and DSS tools”.

Project Title EPIPELAGIC: *ExPert Integrated suPport systEm for coastaL mixed urbAn – industrial – critical infrastructure monitorinG usIng Combined technologies*, co-financed by the European Regional Development Fund of the European Union and Greek national funds through the Operational Program Competitiveness, Entrepreneurship and Innovation (EPAnEK 2014-2020), under the call “Bilateral and Multilateral RTD cooperation between Greece and China 2017-2019”.

1/10/2020-31/10/2021: **External Research Associates**

Participation in the implementation of field sampling in the study area (Thermaikos Gulf) and participation in the writing of the corresponding report.”

Project Title EPIPELAGIC: *ExPert Integrated suPport systEm for coastaL mixed urbAn – industrial – critical infrastructure monitorinG usIng Combined technologies*, co-financed by the European Regional Development Fund of the European Union and Greek national funds through the Operational Program Competitiveness, Entrepreneurship and Innovation (EPAnEK 2014-2020), under the call “Bilateral and Multilateral RTD cooperation between Greece and China 2017-2019”.

1/10/2020-31/10/2021: **External Research Associates**

Participation in writing reports related to strategies and policies for a aging the coastal zone and the added value of Greece-China cooperation.

Project Title EPIPELAGIC: *ExPert Integrated suPport systEm for coastaL mixed urbAn – industrial – critical infrastructure monitorinG usIng Combined technologies*, co-financed by the European Regional Development Fund of the European Union and Greek national funds through the Operational Program Competitiveness, Entrepreneurship and Innovation (EPAnEK 2014-2020), under the call “Bilateral and Multilateral RTD cooperation between Greece and China 2017-2019”.

10/06/2020-10/07/2020: **External Research Associates**

Provision of auxiliary/teaching work and development and production of examination material for the conduct of the distance examination within the framework of the Msc Integrated Coastal Zone Management. Research Committee of the University of the Aegean
Project Title: “70074 - 2787=Upgrade of the Msc Integrated Coastal Zone Management. Research Committee of the University of the Aegean.

15/12/2014–30/09/2015: External Research Associates

"Development of webGIS applications and tools"

Project Title: “Crossborder Cooperation for Maritime Spatial Planning Development”. Intereg Greece – Cyprus. <http://www.mspsygr.info>

01/06/2015–15/09/2015 External Research Associates

Report on the analysis of existing conditions in the study area and production of maps".

Project Title: “Cross-border Cooperation for Maritime Spatial Planning Development”. Intereg Greece – Cyprus. <http://www.mspsygr.info>

15/05/2015–16/07/2015 Temporary lecturer

The University of the Aegean, Mytilene (Greece)

Temporary lecturer of the course “Specialized GIS topics in the Marine Environment” within the framework of the Updating knowledge program for alumni, under the implementation of the act “Environmental Geoinformatics”

01/02/2015–31/05/2015 External Research Associates

Research and Recording of Alumni from the Department of Marine Sciences, University of the Aegean, since its Inception

Project Title: Research and Recording of Alumni from the Department of Marine Sciences, University of the Aegean

Special Account for Research Funds (ELKE), University of the Aegean.

15/11/2014–13/02/2015 Computer laboratory assistant and lecturer assistant

Operation of the computer lab and support for educational activities within the framework of laboratory/tutorial exercises of the Department of Marine Sciences. Department of Marine Sciences, University of the Aegean.

11/11/2013–14/02/2015 Computer laboratory assistant

Dept. of Marine Sciences, University of the Aegean, Mytilene (Greece)

Services support in the computer laboratory and support the educational work in the laboratory / tutorial exercises of Marine Sciences Department

1/6/2007 – 31/8/2007: Intern as oceanographer

Arion – Research Centre for Cetacean Rescue & Care

Markou Botsari 110, Thessaloniki, Greece.

www.arion.org.gr

1/6/2003 – 31/8/2003: Intern as ichthyologist

Aquaculture of Lesvos SA

Loutra, Mytilene, Lesvos, Greece.

Other :

Car driving license (category: B), Motorcycle driving license
(category: A1)