

Curriculum Vitae



Asmaa Hamdy Mostafa Ali	
Occupation	Lecturer - Center of Environmental Planning and Development.
Major	Civil engineering.
Minor	Environmental planning and infrastructure.
Current position	Lecturer - Center of Environmental Planning and Development, Institute of National Planning (INP).
Previous positions	❖ Assistant Lecturer, Environmental Planning and Development Center, Institute of National Planning (INP), 2021-2025. ❖ Manager of technical & procurement department, 2019 - 2021. ❖ Technical office engineer, 2018 -2019. ❖ Researcher, Environmental Studies, Land Use and Urban Planning Department, National Authority for Remote Sensing and Space Sciences, 2015-2018.
Academic Qualifications	❖ PhD of Urban and Regional Planning, Environmental Planning, Faculty of Urban & Regional Planning, Cairo University, 2025. ▪ Thesis title: "<i>Mathematical Model to Support Strategic Environmental Impact Assessment of the Transportation Sector decision making in Greater Cairo</i>". ❖ Applied systems analysis diploma, Cairo, Egypt, 2023 ❖ Diploma in Planning and Development, Institute of National Planning, Cairo, Egypt, 2021. ❖ Msc. of civil engineering, Public Works Division, Faculty of Engineering, Ain Shams University, 2018 ❖ Thesis title: "<i>Assessment of remote sensing techniques and geographic information systems for sustainable development Case Study: Planning in North Sinai</i>". ❖ B.sc of Civil Engineering, Faculty of Engineering, Helwan University, June 2014.

**Major
previous
experiences**

Teaching and related experience:

- ❖ **Lecturer of Environmental Planning, Professional Master's Program (Planning for Sustainable Development),** Institute of National Planning, **2025-2026.**
- ❖ **Lecturer of Environmental Planning - Ain Al-Biaa Association, 2025.**
- ❖ **Member of Control committee,** Institute of National Planning (INP), **2026.**
- ❖ **Member of Program accreditation,** Institute of National Planning (INP), **2026.**
- ❖ **Head of Education Quality Assurance and Accreditation Department,** Quality Assurance and Academic Accreditation Unit, Institute of National Planning (INP), **2021-Till now.**
- ❖ **Member of the Community Service Committee,** Institute of National Planning (INP), **2025.**
- ❖ **Member of team of ISO.14001-2015, ISO 21001-2018 and Academic Accreditation Unit,** Quality Assurance and Academic Accreditation Unit, Institute of National Planning (INP), **2022-Till now.**
- ❖ **Researcher, The Economic Governance Unit,** Environmental Planning and Development Center, Institute of National Planning (INP), **2023-2025.**
- ❖ **Member of research activities committee,** Institute of National Planning (INP), **2023-2024..**
- ❖ **Member of postgraduate studies committee,** Institute of National Planning (INP), **2022-2024..**
- ❖ **Member of INP Modeling Unit,** department of system dynamic, Institute of National Planning (INP), **2021-2023.**
- ❖ **Researcher,** National Authority for Remote Sensing and Space Sciences, Environmental Studies, Land Use and Urban Planning Division, Urban Planning Department, **2015 –2018.**
- ❖ Editing, Managing and preparing all Geographic data,
- ❖ Preparation of digital maps, Exploring and screening natural resources and human activities,
- ❖ Production of land use/ cover map,
- ❖ Modeling and mapping optimum zones for urban development,
- ❖ Production of land use/land cover maps for the study area,
- ❖ Setting suggestions and appropriate solutions to get the sustainable development for desert areas, Egypt,
- ❖ Risk assessment of the natural hazards in the study area and its impact on sustainable development,

- ❖ Producing constraints maps,
- ❖ Suitability index for locating new communities.

Project Management:

- ❖ **Member of Greening INP project**, Institute of National Planning (INP), **2026**.
- ❖ **Research Egypt's post-2025 project: Sustainable transport sector**, Institute of National Planning (INP), **2025**.
- ❖ **Research project in applied system analysis diploma**, entitled “dynamic modeling for assessing educational institutions sustainability using global sustainability ranking”.**2023**.

Consultation:

- ❖ **Member of the consulting team**, the Supreme Council of Universities “Preparing the strategic plan and establishing a system for quality, follow-up and countering of performance for the Secretariat of the Supreme Council of Universities, **2024**.

Participate in workshops, seminar and conference:

- ❖ Participation in the seminar for young researchers, National Planning Institute, "Strategic Environmental Impact Assessment of the Road Transport Sector", **2025**.
- ❖ Member of the Organization Committee for Annual International Conference, "Health and sustainable development", of the Institute of National Planning (INP), **24-25 june 2024**.
- ❖ Attend the Workshop of Model – based Socioeconomic planning Institute of National Planning and Millenium institute, cairo, Egypt, **2024**.
- ❖ Attend the Workshop of introduction to system dynamics for development planning, Institute of National Planning and Millenium institute, cairo, Egypt, **2024**.
- ❖ Attend the online workshops about, Ain Al-Biaa Association, **2023** :
- ❖ The role of sustainable smart cities in reducing emissions and issuing carbon certificates
- ❖ The role of the green economy in reducing emissions and issuing carbon certificates

- ❖ The role of new and renewable energy in reducing emissions and issuing carbon certificates
- ❖ The role of green hydrogen and green ammonia in reducing emissions and issuing carbon certificates
- ❖ Challenges of solar energy and green hydrogen technologies in reducing carbon emissions
- ❖ The role of climate-smart agriculture, organic agriculture, and natural reserves in reducing emissions and issuing carbon certificates
- ❖ Calculating the carbon footprint of individuals and institutions
- ❖ Definition of carbon footprint and a brief history of carbon certificates
- ❖ Definition of climate change
- ❖ Arab Initiative for Carbon Market and Certification
- ❖ Carbon pricing guide
- ❖ Mechanisms for issuing and trading carbon certificates
- ❖ The role of remote sensing and geospatial artificial intelligence in monitoring and measuring carbon emissions
- ❖ Practical applications for measuring the carbon footprint of buildings
- ❖ Application of carbon footprint calculation on shopping centers
- ❖ The role of the banking sector and its contribution to issuing carbon certificates
- ❖ Attend the Workshop of on th application of th degree of the urbanization (DEGURBA), cairo, Egypt, **May 2023**.
- ❖ Sustainability Reporting Workshop at DCARBON, Institute of National Planning and with funding from USAID Sustainable Services Activity, cairo, Egypt, **Fab, 2023**.
- ❖ Member of the Organization Committee for Annual International Conference, "climate change and sustainable development", of the Institute of National Planning (INP), **24-25 March 2022**.
- ❖ Participated in Youth Conference, Sharm El Sheikh, Cairo, Egypt, **2016**.

Training Programs:

- ❖ Training Program: "Climate Change, Monetary Policy Preparation, and Banking Supervision" at Arab Planning Institute (API), Kuwait, **2025**.

- ❖ Training Program: Future foresighting methods at Arab Planning Institute (API), Kuwait, **2023**.
- ❖ Reporting with GRI standreds 2021 updates at DCARBON, GRI , cairo, Egypt, **Fab, 2023**.
- ❖ Training Program: Enhancing Research Performance by Strategic Planning from the Beginning (Scopus and Scival), Institute of National Planning, cairo, Egypt, **May 2022**.
- ❖ Carbon Footprint management training, DCARBON and Institute of National Planning, cairo, Egypt. Dec, 2022. ArcGIS Desktop II: Tools and Functionality, Introduction to Geoprocessing Scripts Using Python, ArcGIS Desktop III: GIS Workflows and Analysis (Model builder only), National Authority for Remote Sensing and Space Sciences, Cairo, **2015**.
- ❖ Remote Sensing and Geographic Information System, Organized by National Authority for Remote Sensing and Space Sciences, Cairo, **2015**.

Certificates:

- ❖ Fundamentals of digital transformation certificate at CLT Cairo unveristy, **2023**.
- ❖ Local TOEFL Certificate obtained 550 score at Public Service of Foreign Languages Center Ain shams University, **2023**.
- ❖ International diploma in IT skills at Information System Institute, **2017**.
- ❖ Research management at The capabilities of Development for faculty members and Leadership Center in cairo University, **2015**.
- ❖ Research methodology at The capabilities of Development for faculty members and Leadership Center in cairo University , **2015**.
- ❖ Professional Ethics at The capabilities of Development for faculty members and Leadership Center in cairo University , **2015**.
- ❖ Proplem sloving skills at The capabilities of Development for faculty members and Leadership Center in cairo University , **2015**.
- ❖ Interview skills at The capabilities of Development for faculty members and Leadership Center in cairo University, **2015**.
- ❖ Success competeneces at The capabilities of Development for

	faculty members and Leadership Center in cairo University , 2015. ❖ Self- Esteem at The capabilities of Development for faculty members and Leadership Center in cairo University , 2015. ❖ Self – Learning and assessment at The capabilities of Development for faculty members and Leadership Center in cairo University , 2015. ❖ Stress management at The capabilities of Development for faculty members and Leadership Center in cairo University , 2015. ❖ Scientific thinking and research proposel writing at The capabilities of Development for faculty members and Leadership Center in cairo University , 2015. ❖ Scientific publication at The capabilities of Development for faculty members and Leadership Center in cairo University , 2015. ❖ Research development and innovation at The capabilities of Development for faculty members and Leadership Center in cairo University , 2015.
Researches	❖ An Integrated Model for Strategic Environment Impact Assessment of Urban Transportation in Metropolitan Areas: A Case Study on Greater Cairo Region working paper no.13, Institute of National Planning,cairo, Egypt 2025. ❖ Spatial modeling to assess sectorial climate challenges in Egypt using remote sensing and geographic information systems, applying on Delta region,working paper no.6, Institute of National Planning,cairo, Egypt 2025. ❖ System Dynamic Modeling for Assessment Transportation Policies in Greater Cairo Metropolitan Area, International Journal of Sustainable Development and Planning 2024, Vol. 19, No. 11: 4389-4399. Doi.org/10.18280/ijstdp.191126. ❖ Sustainable management of electronic waste in Egypt. (In Arabic), Planning and Development Issues, Institute of National Planning, 2024. ❖ A proposed framework for the operation of the carbon market in Egypt. (In Arabic), Planning and Development Issues, Institute of National Planning, 2024. ❖ Decent Life Initiative and Sustainable Development Goals: A

	Systems Thinking Approach, Systems 2023, 11, 446. https://doi.org/10.3390/systems11090446. ❖ The Civil Service Sector in Egypt and the Possibilities of Development in light of the Digital Econom, (In Arabic), Planning and Development Issues Series no (333), Institute of National Planning, July 2022. ❖ Urban development policies as a mechanism for developing the local economy by applying it to Cairo Governorate, (In Arabic), Planning and Development Issues, Institute of National Planning, July 2022. ❖ Enhancing value chains in the garment industry to support the competitiveness of Egyptian exports. (In Arabic), Planning and Development Issues, Institute of National Planning, July 2022. ❖ Multi Criteria Geographic Information System Analysis for Sustainable Development in North Sinai – EGYPT, American Journal of Geographic Information System 2017, 6(4): 141-155 DOI: 10.5923/j.ajgis.20170604.02.
Areas of interest	• Environmental planning and infrastructure. • Sustainable transportation. • Environment impact assesement. • Energy. • Climate change and sustainable development. • Modeling and system dynamics. Academic accreditation and quality assurance for scientific institutions and programs.Governance
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