

CONTENTS

Acknowledgments	5
About the author	11
Abbreviations	13
Introduction	15
I. GREEN AMBITIONS FOR SUSTAINABLE DEVELOPMENT	19
1. Sustainable Development in International Law	22
1.1. Elements of Sustainable Development	26
1.1.1. Substantive Elements of Sustainable Development	27
1.1.1.1. The Right to Development	27
1.1.1.2. The Integration of Environmental Protection and Economic Development	29
1.1.1.3. The Principle of Intergenerational Equity	31
1.1.1.4. The Principle of Intragenerational Equity	35
1.1.1.5. The Sustainable Utilization of Natural Resources	38
1.1.2. Procedural Elements of Sustainable Development	40
1.1.2.1. Public Participation in Environmental Decision-Making	41
1.1.2.2. Access to Environmental Information	44
1.1.2.3. Environmental Impact Assessment	46
1.1.2.4. Access to Justice in Environmental Matters ...	48
1.1.2.5. Interstate Cooperation	50
2. International Initiatives in Sustainable Development	52
2.1. United Nations Sustainable Development Goals	55
2.1.1. The Transformative Role of Artificial Intelligence in Achieving UN Sustainable Development Goals	59
3. Regional Approaches to Sustainable Development	65
3.1. European Green Deal	67
3.1.1. European Union's proposals and initiatives to achieve climate-related goals of the European Green Deal	71

3.1.2. Harnessing Artificial Intelligence for the European Green Deal	76
3.2. African Union Agenda 2063	79
3.2.1. African Union Green Recovery Action Plan 2021–2027	82
II. ARTIFICIAL INTELLIGENCE FROM LEGAL PERSPECTIVE ...	86
4. The Role of Public International Law in Regulating Artificial Intelligence and Addressing Environmental Challenges	88
4.1. International Environmental Law	90
4.1.1. Digital Technologies and AI: Transforming Climate Action	94
4.2. International Human Rights Law	96
4.2.1. Human Rights in the Age of Intelligent Measurement Systems for Climate Sustainability	102
4.2.2. The Right to Clean, Healthy and Sustainable Environment	105
4.2.2.1. The Approach of the Council of Europe to the Right to Clean, Healthy and Sustainable Environment	109
4.2.2.2. The Approach of the European Union to the Right to Clean, Healthy and Sustainable Environment	113
5. International Legal Framework on Artificial Intelligence	118
5.1. Global Partnership on Artificial Intelligence: Pioneering AI Solutions for Climate and Biodiversity	124
6. The United Nations Regulation on Artificial Intelligence	129
6.1. The Global Digital Compact and Its Implications for AI Governance	132
7. European Legal Perspective on Artificial Intelligence	135
7.1. The European Union's Regulation of Artificial Intelligence	135
7.1.1. The EU's Journey: From Coordinated Strategies to the Artificial Intelligence Act	139
7.1.2. The Artificial Intelligence Act	141

7.1.2.1. Environmental Sustainability and the AI Act: Gaps, Challenges, and Proposals for Reform	149
7.1.3. EU Soft-Law Approaches to AI Regulation: Stakeholder Initiatives for Climate Neutrality	152
7.2. The Council of Europe's Regulation on Artificial Intelligence	154
7.2.1. The Framework Convention on Artificial Intelligence, Human Rights, Democracy and the Rule of Law	161
7.2.1.1. Environmental Considerations in the Framework Convention on Artificial Intelligence, Human Rights, Democracy and the Rule of Law	166
III. CONCLUSION	169
Reference list	176