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## Analyzing Sustainability Reports Using Natural Language Processing

**Item Type** Preprint

**Author** Alexandra Luccioni

**Author** Emily Baylor

**Author** Nicolas Duchene

**Abstract** Climate change is a far-reaching, global phenomenon that will impact many aspects of our society, including the global stock market \cite{dietz2016climate}. In recent years, companies have increasingly been aiming to both mitigate their environmental impact and adapt to the changing climate context. This is reported via increasingly exhaustive reports, which cover many types of climate risks and exposures under the umbrella of Environmental, Social, and Governance (ESG). However, given this abundance of data, sustainability analysts are obliged to comb through hundreds of pages of reports in order to find relevant information. We leveraged recent progress in Natural Language Processing (NLP) to create a custom model, ClimateQA, which allows the analysis of financial reports in order to identify climate-relevant sections based on a question answering approach. We present this tool and the methodology that we used to develop it in the present article.

**Date** 2020-11-17

**Library Catalog** arXiv.org

**URL** <http://arxiv.org/abs/2011.08073>

**Accessed** 2/1/2024, 4:21:38 PM

**Extra** arXiv:2011.08073 [cs]

**Repository** arXiv

**Archive ID** arXiv:2011.08073

**Date Added** 2/1/2024, 4:21:38 PM

**Modified** 2/1/2024, 4:21:38 PM

### Tags:

/unread, Computer Science - Computation and Language, Computer Science - Machine Learning

### Attachments

- arXiv.org Snapshot
- Full Text PDF

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## Arabic Mini-ClimateGPT : A Climate Change and Sustainability Tailored Arabic LLM

**Item Type** Conference Paper

**Author** Sahal Mullappilly  
**Author** Abdelrahman Shaker  
**Author** Omkar Thawakar  
**Author** Hisham Cholakal  
**Author** Rao Anwer  
**Author** Salman Khan  
**Author** Fahad Khan  
**Editor** Houda Bouamor  
**Editor** Juan Pino  
**Editor** Kalika Bali

**Abstract** Climate change is one of the most significant challenges we face together as a society. Creating awareness and educating policy makers the wide-ranging impact of climate change is an essential step towards a sustainable future. Recently, Large Language Models (LLMs) like ChatGPT and Bard have shown impressive conversational abilities and excel in a wide variety of NLP tasks. While these models are close-source, recently alternative open-source LLMs such as Stanford Alpaca and Vicuna have shown promising results. However, these open-source models are not specifically tailored for climate related domain specific information and also struggle to generate meaningful responses in other languages such as, Arabic. To this end, we propose a light-weight Arabic Mini-ClimateGPT that is built on an open-source LLM and is specifically fine-tuned on a conversational-style instruction tuning curated Arabic dataset Clima500-Instruct with over 500k instructions about climate change and sustainability. Further, our model also utilizes a vector embedding based retrieval mechanism during inference. We validate our proposed model through quantitative and qualitative evaluations on climate-related queries. Our model surpasses the baseline LLM in 88.3% of cases during ChatGPT-based evaluation. Furthermore, our human expert evaluation reveals an 81.6% preference for our model's responses over multiple popular open-source models. Our open-source demos, models and curated instruction sets are available here : <https://github.com/mbzuai-oryx/ClimateGPT>

**Date** 2023-12  
**Short Title** Arabic Mini-ClimateGPT  
**Library Catalog** ACLWeb  
**URL** <https://aclanthology.org/2023.findings-emnlp.941>  
**Accessed** 2/1/2024, 3:50:52 PM  
**Place** Singapore  
**Publisher** Association for Computational Linguistics  
**Pages** 14126–14136  
**Proceedings Title** Findings of the Association for Computational Linguistics: EMNLP 2023  
**Conference Name** Findings 2023  
**DOI** 10.18653/v1/2023.findings-emnlp.941  
**Date Added** 2/1/2024, 3:50:53 PM  
**Modified** 2/1/2024, 3:50:55 PM

Tags:

/unread

Attachments

- Full Text PDF

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chatClimate: Grounding Conversational AI in Climate Science

**Item Type** Preprint

**Author** Saeid Ashraf Vaghefi

**Author** Qian Wang

**Author** Veruska Muccione

**Author** Jingwei Ni

**Author** Mathias Kraus

**Author** Julia Bingler

**Author** Tobias Schimanski

**Author** Chiara Colesanti-Senni

**Author** Nicolas Webersinke

**Author** Christian Huggel

**Author** Markus Leippold

**Abstract** Large Language Models (LLMs) have made significant progress in recent years, achieving remarkable results in question-answering tasks (QA). However, they still face two major challenges: hallucination and outdated information after the training phase. These challenges take center stage in critical domains like climate change, where obtaining accurate and up-to-date information from reliable sources in a limited time is essential and difficult. To overcome these barriers, one potential solution is to provide LLMs with access to external, scientifically accurate, and robust sources (long-term memory) to continuously update their knowledge and prevent the propagation of inaccurate, incorrect, or outdated information. In this study, we enhanced GPT-4 by integrating the information from the Sixth Assessment Report of the Intergovernmental (IPCC AR6), the most comprehensive, up-to-date, and reliable source in this domain. We present our conversational AI prototype, available at [www.chatclimate.ai](http://www.chatclimate.ai) and demonstrate its ability to answer challenging questions accurately in three different QA scenarios: asking from 1) GPT-4, 2) chatClimate, and 3) hybrid chatClimate. The answers and their sources were evaluated by our team of IPCC authors, who used their expert knowledge to score the accuracy of the answers from 1 (very-low) to 5 (very-high). The evaluation showed that the hybrid chatClimate provided more accurate answers, highlighting the effectiveness of our solution. This approach can be easily scaled for chatbots in specific domains, enabling the delivery of reliable and accurate information.

**Date** 2023-04-28

**Short Title** chatClimate  
**Library Catalog** arXiv.org  
**URL** <http://arxiv.org/abs/2304.05510>  
**Accessed** 2/1/2024, 3:46:38 PM  
**Extra** arXiv:2304.05510 [cs]  
**Repository** arXiv  
**Archive ID** arXiv:2304.05510  
**Date Added** 2/1/2024, 3:46:38 PM  
**Modified** 2/1/2024, 3:46:38 PM

**Tags:**

/unread, Computer Science - Computation and Language

**Attachments**

- arXiv.org Snapshot
- Full Text PDF

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CHATREPORT: Democratizing Sustainability Disclosure Analysis through LLM-based Tools

**Item Type** Conference Paper  
**Author** Jingwei Ni  
**Author** Julia Bingler  
**Author** Chiara Colesanti-Senni  
**Author** Mathias Kraus  
**Author** Glen Gostlow  
**Author** Tobias Schimanski  
**Author** Dominik Stammbach  
**Author** Saeid Ashraf Vaghefi  
**Author** Qian Wang  
**Author** Nicolas Webersinke  
**Author** Tobias Wekhof  
**Author** Tingyu Yu  
**Author** Markus Leippold  
**Editor** Yansong Feng  
**Editor** Els Lefever  
**Abstract** In the face of climate change, are companies really taking substantial steps toward more sustainable operations? A comprehensive answer lies in the dense, information-rich landscape of corporate sustainability reports. However, the sheer volume and complexity of these reports make human

analysis very costly. Therefore, only a few entities worldwide have the resources to analyze these reports at scale, which leads to a lack of transparency in sustainability reporting. Empowering stakeholders with LLM-based automatic analysis tools can be a promising way to democratize sustainability report analysis. However, developing such tools is challenging due to (1) the hallucination of LLMs and (2) the inefficiency of bringing domain experts into the AI development loop. In this paper, we introduce ChatReport, a novel LLM-based system to automate the analysis of corporate sustainability reports, addressing existing challenges by (1) making the answers traceable to reduce the harm of hallucination and (2) actively involving domain experts in the development loop. We make our methodology, annotated datasets, and generated analyses of 1015 reports publicly available. Video Introduction: <https://www.youtube.com/watch?v=Q5AzaKzPE4M> Github: <https://github.com/EdisonNi-hku/chatreport> Live web app: [reports.chatclimate.ai](https://reports.chatclimate.ai)

**Date** 2023-12  
**Short Title** CHATREPORT  
**Library Catalog** ACLWeb  
**URL** <https://aclanthology.org/2023.emnlp-demo.3>  
**Accessed** 2/1/2024, 8:08:11 PM  
**Place** Singapore  
**Publisher** Association for Computational Linguistics  
**Pages** 21–51  
**Proceedings Title** Proceedings of the 2023 Conference on Empirical Methods in Natural Language Processing: System Demonstrations  
**DOI** 10.18653/v1/2023.emnlp-demo.3  
**Date Added** 2/1/2024, 8:08:11 PM  
**Modified** 2/1/2024, 8:08:11 PM

**Tags:**

/unread

**Attachments**

- o Full Text PDF

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ESG information extraction with cross-sectoral and multi-source adaptation based on domain-tuned language models

**Item Type** Journal Article  
**Author** Jaeyoung Lee  
**Author** Misuk Kim

**Abstract** Along with future sustainability, factors such as environmental protection, co-prosperity, and ethical management are also gaining attention, resulting in the increased significance of the non-financial performance of companies. Accordingly, many institutions are evaluating the non-financial activities of companies using environmental, social, and governance (ESG) as evaluation indicators. However, the use of the current ESG rating as a reliable indicator has a limitation as the criteria are different for each evaluation institution and the ESG rating for the same company may differ when provided by different evaluation institutions. Accordingly, it is important to directly extract non-financial information generated by various media to provide objective ESG information, but the studies that focus on the need for automatic and direct extraction and classification of ESG information are limited. Therefore, this paper proposes a classifier that can discriminate ESG information. To train the ESG classifier, a dataset was constructed by manually labeling ESG data, and the ESG classifier recorded a classification accuracy of 86.66% for the 4-class classification problem of the constructed dataset. In addition, three application experiments were conducted to verify the usability of the proposed model. First, the results confirmed that the ESG classifier showed a significant performance of 83.96% accuracy for sectors not included in the training data. Second, the results qualitatively confirmed that the proposed model properly extracts ESG-related information from multi-source text data. Finally, the ESG dataset was additionally constructed through the pseudo-labeling technique, and the performance improvement of the data augmentation and classifier was verified. The ESG classifier proposed in this paper will provide appropriate ESG information to stakeholders. In future studies, we intend to extract and classify ESG-related information from more diverse types of data through an advanced ESG classifier. Further, we will use the information for investigating methods for reflecting the non-financial performance of companies in ESG ratings.

**Date** 2023-07-01  
**Library Catalog** 8.5  
**Call Number** 1  
**URL** <https://www.sciencedirect.com/science/article/pii/S0957417423002270>  
**Accessed** 2/1/2024, 4:11:34 PM  
**Volume** 221  
**Pages** 119726  
**Publication** Expert Systems with Applications  
**DOI** 10.1016/j.eswa.2023.119726  
**Journal Abbr** Expert Systems with Applications  
**ISSN** 0957-4174  
**Date Added** 2/1/2024, 4:11:34 PM  
**Modified** 2/1/2024, 4:11:35 PM

**Tags:**

/unread, ESG, Language model, Pseudo-labeling, Sustainability report, Transfer learning

Attachments

- Lee and Kim - 2023 - ESG information extraction with cross-sectoral and.pdf
- ScienceDirect Snapshot

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ESGReveal: An LLM-based approach for extracting structured data from ESG reports

Item Type	Preprint
Author	Yi Zou
Author	Mengying Shi
Author	Zhongjie Chen
Author	Zhu Deng
Author	ZongXiong Lei
Author	Zihan Zeng
Author	Shiming Yang
Author	HongXiang Tong
Author	Lei Xiao
Author	Wenwen Zhou
Abstract	<p>ESGReveal is an innovative method proposed for efficiently extracting and analyzing Environmental, Social, and Governance (ESG) data from corporate reports, catering to the critical need for reliable ESG information retrieval. This approach utilizes Large Language Models (LLM) enhanced with Retrieval Augmented Generation (RAG) techniques. The ESGReveal system includes an ESG metadata module for targeted queries, a preprocessing module for assembling databases, and an LLM agent for data extraction. Its efficacy was appraised using ESG reports from 166 companies across various sectors listed on the Hong Kong Stock Exchange in 2022, ensuring comprehensive industry and market capitalization representation. Utilizing ESGReveal unearthed significant insights into ESG reporting with GPT-4, demonstrating an accuracy of 76.9% in data extraction and 83.7% in disclosure analysis, which is an improvement over baseline models. This highlights the framework's capacity to refine ESG data analysis precision. Moreover, it revealed a demand for reinforced ESG disclosures, with environmental and social data disclosures standing at 69.5% and 57.2%, respectively, suggesting a pursuit for more corporate transparency. While current iterations of ESGReveal do not process pictorial information, a functionality intended for future enhancement, the study calls for continued research to further develop and compare the analytical capabilities of various LLMs. In summary, ESGReveal is a stride forward in ESG data processing, offering stakeholders a sophisticated tool to better evaluate and advance corporate sustainability efforts. Its evolution is promising in promoting transparency in corporate reporting and aligning with broader sustainable development aims.</p>
Date	2023-12-25

**Short Title** ESGReveal  
**Library Catalog** arXiv.org  
**URL** <http://arxiv.org/abs/2312.17264>  
**Accessed** 2/1/2024, 3:53:29 PM  
**Extra** arXiv:2312.17264 [cs]  
**Repository** arXiv  
**Archive ID** arXiv:2312.17264  
**Date Added** 2/1/2024, 3:53:30 PM  
**Modified** 2/1/2024, 3:53:32 PM

**Tags:**

/unread, Computer Science - Computation and Language, Computer Science - Information Retrieval

**Attachments**

- arXiv.org Snapshot
- Full Text PDF

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EXAMINING LLM’S AWARENESS OF THE UNITED NA- TIONS  
SUSTAINABLE DEVELOPMENT GOALS (SDGS)

**Item Type** Journal Article  
**Author** Mehdi Bahrami  
**Author** Ramya Srinivasan  
**Date** 2023  
**Language** en  
**Library Catalog** Zotero  
**Date Added** 2/1/2024, 3:59:18 PM  
**Modified** 2/1/2024, 3:59:19 PM

**Tags:**

/unread

**Attachments**

- Bahrami and Srinivasan - 2023 - EXAMINING LLM’S AWARENESS OF THE UNITED NA- TIONS .pdf



# FABULA: Intelligence Report Generation Using Retrieval-Augmented Narrative Construction

**Item Type** Preprint

**Author** Priyanka Ranade

**Author** Anupam Joshi

**Abstract** Narrative construction is the process of representing disparate event information into a logical plot structure that models an end to end story. Intelligence analysis is an example of a domain that can benefit tremendously from narrative construction techniques, particularly in aiding analysts during the largely manual and costly process of synthesizing event information into comprehensive intelligence reports. Manual intelligence report generation is often prone to challenges such as integrating dynamic event information, writing fine-grained queries, and closing information gaps. This motivates the development of a system that retrieves and represents critical aspects of events in a form that aids in automatic generation of intelligence reports. We introduce a Retrieval Augmented Generation (RAG) approach to augment prompting of an autoregressive decoder by retrieving structured information asserted in a knowledge graph to generate targeted information based on a narrative plot model. We apply our approach to the problem of neural intelligence report generation and introduce FABULA, framework to augment intelligence analysis workflows using RAG. An analyst can use FABULA to query an Event Plot Graph (EPG) to retrieve relevant event plot points, which can be used to augment prompting of a Large Language Model (LLM) during intelligence report generation. Our evaluation studies show that the plot points included in the generated intelligence reports have high semantic relevance, high coherency, and low data redundancy.

**Date** 2023-10-20

**Short Title** FABULA

**Library Catalog** arXiv.org

**URL** <http://arxiv.org/abs/2310.13848>

**Accessed** 2/1/2024, 3:09:38 PM

**Extra** arXiv:2310.13848 [cs]

**DOI** 10.1145/3625007.3627505

**Date Added** 2/1/2024, 3:09:38 PM

**Modified** 2/1/2024, 3:09:39 PM

## Tags:

/unread, Computer Science - Information Retrieval

## Attachments

- arXiv.org Snapshot
- Full Text PDF

# Glitter or Gold? Deriving Structured Insights from Sustainability Reports via Large Language Models

**Item Type** Preprint

**Author** Marco Bronzini

**Author** Carlo Nicolini

**Author** Bruno Lepri

**Author** Andrea Passerini

**Author** Jacopo Staiano

**Abstract** Over the last decade, several regulatory bodies have started requiring the disclosure of non-financial information from publicly listed companies, in light of the investors' increasing attention to Environmental, Social, and Governance (ESG) issues. Publicly released information on sustainability practices is often disclosed in diverse, unstructured, and multi-modal documentation. This poses a challenge in efficiently gathering and aligning the data into a unified framework to derive insights related to Corporate Social Responsibility (CSR). Thus, using Information Extraction (IE) methods becomes an intuitive choice for delivering insightful and actionable data to stakeholders. In this study, we employ Large Language Models (LLMs), In-Context Learning, and the Retrieval-Augmented Generation (RAG) paradigm to extract structured insights related to ESG aspects from companies' sustainability reports. We then leverage graph-based representations to conduct statistical analyses concerning the extracted insights. These analyses revealed that ESG criteria cover a wide range of topics, exceeding 500, often beyond those considered in existing categorizations, and are addressed by companies through a variety of initiatives. Moreover, disclosure similarities emerged among companies from the same region or sector, validating ongoing hypotheses in the ESG literature. Lastly, by incorporating additional company attributes into our analyses, we investigated which factors impact the most on companies' ESG ratings, showing that ESG disclosure affects the obtained ratings more than other financial or company data.

**Date** 2024-01-16

**Short Title** Glitter or Gold?

**Library Catalog** arXiv.org

**URL** <http://arxiv.org/abs/2310.05628>

**Accessed** 2/1/2024, 4:15:27 PM

**Extra** arXiv:2310.05628 [cs]

**Repository** arXiv

**Archive ID** arXiv:2310.05628

**Date Added** 2/1/2024, 4:15:27 PM

**Modified** 2/1/2024, 4:15:29 PM

**Tags:**

/unread, Computer Science - Computation and Language, Computer Science - Computational Engineering, Finance, and Science, Computer Science - Computers and Society

## Attachments

- arXiv.org Snapshot
- Full Text PDF

## GreenAI – An NLP approach to ESG financing

**Item Type** Conference Paper

**Author** Nicolaas Ruberg

**Author** Rafael Pereira

**Author** Mauro Stein

**Abstract** Environmental, Social, and Governance (ESG) factors are critical for investors and financing institutions like the Brazilian Development Bank (BNDES). Such institutions are currently working on setting up a framework to assess companies' ESG factors in their financing evaluation. In this study, we identify an opportunity to use Natural Language Processing (NLP) to improve the framework. This opportunity stems from the fact that the key documents for ESG analysis, such as the company's activity report (RAA), Environmental Impact Study (EIA), and Environmental Impact Report (RIMA), undergo manual screening and decomposition whilst being analyzed by specialists. By incorporating NLP, we aim to automate the classification of text passages from these reports and enhance the efficiency of the analysis process.

**Date** 2023-08-06

**Library Catalog** ResearchGate

**Pages** 37-48

**DOI** 10.5753/bwaif.2023.229922

**Date Added** 2/1/2024, 4:36:06 PM

**Modified** 2/1/2024, 4:36:07 PM

## Tags:

/unread

## Attachments

- Full Text
- ResearchGate Link

## Harnessing Large Language Models with Neo4j

**Item Type** Blog Post  
**Author** Oskar Hane  
**Abstract** Episode 1 — Exploring Real-World Use Cases  
**Date** 2023-06-15T06:48:04.569Z  
**Language** en  
**URL** <https://medium.com/neo4j/harnessing-large-language-models-with-neo4j-306ccbdd2867>  
**Accessed** 2/1/2024, 3:55:02 PM  
**Blog Title** Neo4j Developer Blog  
**Date Added** 2/1/2024, 3:55:02 PM  
**Modified** 2/1/2024, 3:55:04 PM

**Tags:**

/unread

**Attachments**

- Snapshot

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Harnessing NLP for Effective ESG Reporting: Insights for SMEs

**Item Type** Web Page  
**URL** <https://positivethinking.tech/insights/nlp-esg-reporting-smes/>  
**Accessed** 2/1/2024, 4:17:35 PM  
**Date Added** 2/1/2024, 4:17:35 PM  
**Modified** 2/1/2024, 4:17:35 PM

**Tags:**

/unread

**Attachments**

- Harnessing NLP for Effective ESG Reporting: Insights for SMEs

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How Generative AI can build an organization’s ESG roadmap

**Item Type** Web Page  
**Abstract** EY highlights how Gen AI offers transformative opportunities for organizations in their sustainability journey. Learn more about role of AI in ESG.  
**Language** en-IN

**URL** [https://www.ey.com/en\\_in/ai/how-generative-ai-can-build-an-organization-s-esg-roadmap](https://www.ey.com/en_in/ai/how-generative-ai-can-build-an-organization-s-esg-roadmap)  
**Accessed** 2/1/2024, 4:25:30 PM  
**Date Added** 2/1/2024, 4:25:30 PM  
**Modified** 2/1/2024, 4:25:32 PM

**Tags:**

/unread

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How will AI text generation and processing impact sustainability reporting? Critical analysis, a conceptual framework and avenues for future research

<b>Item Type</b>	Journal Article
<b>Author</b>	Charl De Villiers
<b>Author</b>	Ruth Dimes
<b>Author</b>	Matteo Molinari
<b>Abstract</b>	<p><b>Purpose</b> The ability of generative artificial intelligence (AI) tools such as ChatGPT to produce convincing, human-like text has major implications for the future of corporate reporting, including sustainability reporting. As the importance of sustainability reporting continues to grow, this study aims to critically analyse the benefits and pitfalls of automated text generation and processing. <b>Design/methodology/approach</b> This study develops a conceptual framework to delineate the field, assess the implications and form the basis for the generation of research questions. This study uses Alvesson and Deetz’s critical framework, considering insight (a review of literature and practice in the field), critique (consideration of the influences on the production and use of non-financial information and the implications for assurers of such information) and transformative redefinition (considering the implications of generative AI for sustainability reporting and proposing a research agenda). <b>Findings</b> This study highlights the implications of generative AI for sustainability accounting, reporting, assurance and report usage, including the risk of AI facilitating greenwashing, and the importance of more research on the use of AI for these matters. <b>Practical implications</b> The paper highlights to stakeholders the implications of AI for all aspects of sustainability reporting, including accounting, reporting, assurance and usage of reports. <b>Social implications</b> The implications of AI need to be understood in society, which this paper facilitates. <b>Originality/value</b> This study critically analyses the potential use of AI for sustainability reporting, construct a conceptual framework to delineate the field and develop a research agenda.</p>
<b>Date</b>	2024-01-02
<b>Language</b>	en
<b>Short Title</b>	How will AI text generation and processing impact sustainability reporting?
<b>Library Catalog</b>	DOI.org (Crossref)

**URL** <https://www.emerald.com/insight/content/doi/10.1108/SAMPJ-02-2023-0097/full/html>  
**Accessed** 2/1/2024, 4:31:13 PM  
**Volume** 15  
**Pages** 96-118  
**Publication** Sustainability Accounting, Management and Policy Journal  
**DOI** 10.1108/SAMPJ-02-2023-0097  
**Issue** 1  
**Journal Abbr** SAMPJ  
**ISSN** 2040-8021, 2040-8021  
**Date Added** 2/1/2024, 4:31:13 PM  
**Modified** 2/1/2024, 4:31:14 PM

**Tags:**

/unread

**Attachments**

- De Villiers et al. - 2024 - How will AI text generation and processing impact .pdf

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## Introducing BloombergGPT, Bloomberg's 50-billion parameter large language model, purpose-built from scratch for finance | Press | Bloomberg LP

**Item Type** Newspaper Article  
**Abstract** BloombergGPT is a 50-billion parameter large language model that was purpose-built from scratch for finance.  
**Language** en-US  
**Library Catalog** [www.bloomberg.com](http://www.bloomberg.com)  
**URL** <https://www.bloomberg.com/company/press/bloomberggpt-50-billion-parameter-llm-tuned-finance/>  
**Accessed** 2/1/2024, 4:00:48 PM  
**Section** Bloomberg Professional Services  
**Publication** Bloomberg L.P.  
**Date Added** 2/1/2024, 4:00:48 PM  
**Modified** 2/1/2024, 4:00:49 PM

**Tags:**

/unread

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# Microsoft Cloud for Sustainability: Generative AI, Scope 3 Data Capabilities for ESG Reporting Coming Soon

Item Type	Web Page
Author	Joe Panettieri
Abstract	Microsoft Cloud for Sustainability preps generative AI (artificial intelligence) capabilities for ESG reporting. Microsoft Copilot & Scope 3 data support coming soon.
Date	2024-01-31T14:10:18+00:00
Language	en-US
Short Title	Microsoft Cloud for Sustainability
URL	<a href="https://sustainabletechpartner.com/topics/cloud-services/microsoft-cloud-for-sustainability-generative-ai-scope-3-data-capabilities-for-esg-reporting-coming-soon/">https://sustainabletechpartner.com/topics/cloud-services/microsoft-cloud-for-sustainability-generative-ai-scope-3-data-capabilities-for-esg-reporting-coming-soon/</a>
Accessed	2/1/2024, 4:18:08 PM
Website Title	Sustainable Tech Partner for Green IT Service Providers
Date Added	2/1/2024, 4:18:08 PM
Modified	2/1/2024, 4:18:09 PM

Tags:

/unread

Attachments

- Snapshot

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## ReportDVSJan2023\_AnalysingSustainabilityReportsUsingML.pdf

Item Type	Attachment
URL	<a href="https://www.administration-numerique-suisse.ch/application/files/8316/8129/0720/ReportDVSJan2023_AnalysingSustainabilityReportsUsingML.pdf">https://www.administration-numerique-suisse.ch/application/files/8316/8129/0720/ReportDVSJan2023_AnalysingSustainabilityReportsUsingML.pdf</a>
Accessed	2/1/2024, 4:02:32 PM
Date Added	2/1/2024, 4:02:32 PM
Modified	2/1/2024, 4:02:32 PM

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## Top 7 Sustainability Reporting Standards - Comparing Disclosure Frameworks

Item Type	Web Page
Author	Brightest

**Abstract** Brightest outlines key sustainability reporting frameworks and standards for disclosing your environmental footprint and ESG performance. Understand and compare sustainability reporting standards with this easy-to-follow guide

**Language** en-US

**URL** <https://www.brightest.io/sustainability-reporting-standards>

**Accessed** 2/1/2024, 4:19:58 PM

**Website Title** Brightest

**Date Added** 2/1/2024, 4:19:58 PM

**Modified** 2/1/2024, 4:19:59 PM

**Tags:**

/unread