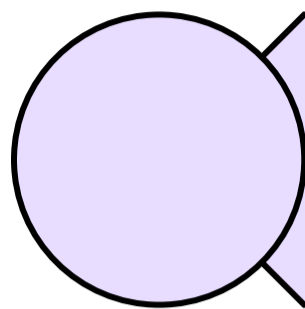
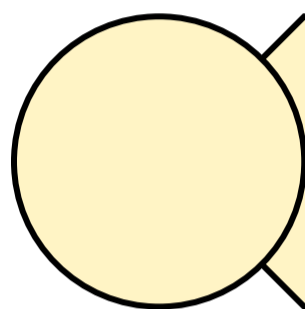


Guide to annotations

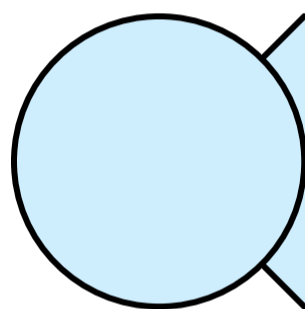
What do the colours mean?



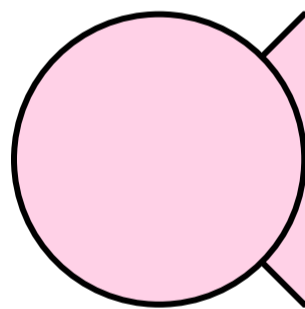
Shows the general purpose related to the whole annotated text-type and that of entire sections. Titles of sections or headings are defined in terms of purpose and content.



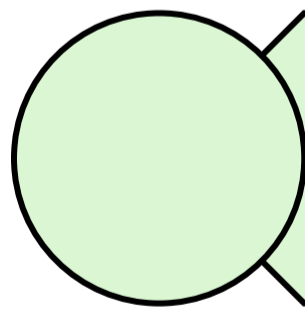
Indicates the function of a paragraph or of group of sentences in terms of content and relation to the whole text.



Key-words and terms related to the general content and concepts and main themes.



Grammar features or discourse markers that are important to the annotated text-type.



In-text citations and general reference to papers and books within the annotated text.

Note: 'Discourse markers' refers to words used to start and end conversations and topics. Examples: also, therefore, thus, similarly, however, for instance, in conclusion, besides

Note: The reference style for this text follows the CDU APA 7th referencing format. Please check with your lecturers if there are different referencing requirements for your unit.

An annotated bibliography is a concise summary of available research and includes citations and short evaluations. It's typically part of a bigger project, but it can also be a separate task. Annotated bibliographies usually have a similar text structure depending on what the assignment asks you to focus on (e.g.: methodology, main arguments/counterarguments).

1

Page number in top right corner

Title of essay

Challenges of sustainability in modern living

Marie Mango (s123321)

Student name/number

Affiliation (faculty, university)

Faculty of Arts and Society, Charles Darwin University

ABC123 Exploring Sustainable Approaches

Unit code and name

Lecturer/supervisor name

Dr. Lavender Fields

August 11, 2023

Date of submission

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Referencing elements. Format requirements, in-text citations and references to relevant theories/research.

Formatted in the CDU APA style

Allen, C., Metternicht, G., & Wiedmann, T. (2016). National pathways to the Sustainable Development Goals (SDGs): A comparative review of scenario modelling tools. *Environmental Science & Policy*, 66, 199–207.
<https://doi.org/10.1016/j.envsci.2016.09.008>

Use of present tense for descriptions

This article provides a multidisciplinary perspective on the challenges and pathways toward sustainable development. It examines key sustainability issues, such as poverty, inequality, biodiversity loss, and climate change, and explores the interconnectedness between social, economic, and environmental dimensions. The authors discuss the complexities of achieving sustainability and offer insights into policy frameworks, governance mechanisms, and transformative practices for addressing these challenges. The core premises of this work concern the types and extent of commitment national governments and the overseeing international bodies are prepared to subscribe to, in order to achieve consensus on the prioritisation of interventions.

Description of source in terms of format/genre, content and structure

Mention of authors

Main claim of study and author's stance

Delivers the authors' argument

Shows the general purpose in relation to the text-type. Section titles/headings are defined by purpose and content.

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Their research **underlines** the cause of **delays in decision-making** regarding the lack of agreement about what to prioritise according to geographical contexts and specific circumstances of the regions involved. Too often, **short-term** financial **emergencies** dictate **pressured interventions** that are not cost-effective in the long run. A set of **sequential stages and steps** are proposed here by the authors, which encompass actions and the expected outcomes resulting from these.

Evaluation

Evaluative terms

Proposed strategies

Concluding remark

This study is a good **planning guide** towards concerted actions by very diverse governance bodies towards a common goal.

De Albuquerque, J. P., Anderson, L., Calvillo, N., Coaffee, J., Cunha, M. A., Degrossi, L. C., Dolif, G., Horita, F., Klonner, C., Lima-Silva, F., Marchezini, V., Martins, M. H. da M., Pajarito-Grajales, D., Pitidis, V., Rudorff, C., Tkacz, N., Traijber, R., & Zipf, A. (2021). The role of data in transformations to sustainability: A critical research agenda. *Current Opinion in Environmental Sustainability*, 49, 153–163.
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Make sure to use present tense for descriptions

4

This paper discusses the potential role of technology in addressing sustainability challenges. It examines how technological advancements, such as renewable energy technologies, smart systems, and digital innovations, can contribute to sustainable development. The authors emphasise the need for appropriate technology choices, considering factors like environmental impacts, resource consumption, and social equity.

Description of source

Mention of authors

Main claim of study and author's stance

They also discuss the importance of policy support and systemic changes to harness the full potential of technology for sustainability. The challenges and strategies to overcome hurdles in the application of technology are dealt with from a financial perspective whereby the investment is seen in the projection of tangible short-, mid-, and long-term economic benefits. The envisaged challenge with this project is in the equitable distribution of investments among the developing countries, which would represent a long-term vision towards a common interest.

Delivers the authors' argument

Proposed strategies

Evaluation

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Ellen MacArthur Foundation. (2012). *Towards the circular economy: Economic and business rationale for an accelerated transition.*
https://www.werktrends.nl/app/uploads/2015/06/Rapport_McKinsey-Towards_A_Circular_Economy.pdf

This report by the Ellen MacArthur Foundation presents the concept of the circular economy as a potential solution to sustainability challenges. It discusses the linear "take-make-dispose" model of production and consumption and highlights the benefits of transitioning to a circular model that promotes resource efficiency, waste reduction, and the regeneration of natural systems.

The author aims to demonstrate how applying circular economy principles significantly reduces greenhouse gas emissions. Its analysis of industry and the food system illustrates how the circular economy transforms the way products are made and used and how this transformation has the potential to reduce emissions.

Description of source

Delivers the authors' argument

Make sure to use present tense for descriptions

Main claim of study and author's stance

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These insights have been drawn from two reports from *Material Economics – ‘Industrial Transformation 2050’* (2019) and ‘*The Circular Economy: A Powerful Force for Climate Mitigation*’ (2018) – and the *Ellen MacArthur Foundation* report ‘*Cities and Circular Economy for Food*’ (2019). These initial findings indicate that the circular economy offers a unique potential to increase resilience to the physical effects of climate change, and it is a promising start towards a more in-depth investigation of the subject.

Finally, setting clear priorities, the paper calls on governments, businesses, investors, and academia to work in synergy to respond to climate change and base decisions on research to create a sustainable plan with governments and accelerate the transition to a circular economy.

The report is a demonstrative promotion of key principles through illustrations of case studies, and it strongly proposes policy recommendations to foster the transition toward a circular economy.

Citation of primary sources of annotated study

Evaluation and concluding remarks

Proposed strategies

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Fedele, G., Donatti, C.I., Harvey, C. A., Hannah, L., & Hole, D. G.

(2019). Transformative adaptation to climate change for sustainable social-ecological systems. *Environmental Science & Policy*, 101, 116-125.

<https://doi.org/10.1016/j.envsci.2019.07.001>

Use of present tense for descriptions

This article explores the multi-dimensional challenges posed by climate change for sustainability and presents some controversial aspects of the strategies which are currently object of debate among nations, such as the 'Transformative Adaptation' proposed to counterbalance its effects.

Description of source in terms of format/genre, content and structure

Main claim of study and author's stance

The study is particularly interesting in its analysis of the conventional strategies adopted by people to cope or progressively adapt to climate change. Its findings highlight that these may become inappropriate in the long-term and that transformative adaptation requires a more radical approach insofar as it has to initiate fundamental systems' changes that address origins of risks.

Delivers the authors' argument

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However, the authors **note**, there is still current limited knowledge of the principles regulating transformative adaptation within social-ecological systems and how it can be implemented. In an attempt to advance this knowledge, the authors **propose** an interdisciplinary perspective towards **social-ecological shifts** driven by climate change.

Proposed strategies

In this study, **eighty recent publications** about responses of social, ecological, and social-ecological systems to climate change **are also reviewed** and a thorough description of transformative adaptation **is provided**. **Restructuring, path-shifting innovative, multiscale, systemwide, and persistent** have been identified as the attributes required to implement transformative processes.

Despite several barriers to implement transformative adaptation, the study also **identifies policy makers** and practitioners as being the major stakeholders in considering this option of adaptation plans to help societies to anticipate, guide, or recover from radical climate change impact.

Evaluation

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Overall the authors of the study effectively illustrate how using transformative adaptation to navigate the risks driven by climate change can increase the efficiency and sustainability of climate solutions.

Concluding remarks

Hardin, G. (1968). The Tragedy of the Commons. *Science*, 162(3859), 1243–1248. <http://www.jstor.org/stable/1724745>

Description of source

This seminal paper by Hardin examines the concept of the "tragedy of the commons," where shared resources are prone to depletion due to nations' individual self-interest. It highlights the challenges of sustainable resource management with increasing demands due to population's consumption.

Make sure to use present tense for descriptions

Main claim of the study

Mention of author

The author poses important questions about the need for collective action, policy interventions, and institutional arrangements to overcome sustainability challenges arising from the exploitation of common resources.

Delivers the authors' argument

Hardin's research suggests there are global factors that cause people to consume more than they need, particularly when it comes to non-essential goods. His claim is that

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demand is created rather than real and it can escalate in a vicious cycle contributing to resource depletion. His analysis of major countries' market demands conducted through time-related cross-sectional (last decade) statistical comparison, provides readers with direct insight into the nature of this problem.

Mention of methodology

Proposed solution by the author

In his final discussion, Hardin suggests that each of the required actions mentioned above (i.e., collective action, policy interventions, and institutional arrangements) be geared towards educating and sensitizing populations to a more responsible consumption and therefore use of resources.

Evaluation

The study represents a critical and contextualized view of the compelling progressive demands that current economic factors impose on all countries and especially developing regions.

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If you do not have enough room, do not split a reference entry across two pages, start on a new page

Keith, M., Birch, E., Buchoud, N., Cardama, M., Cobbett, W., Cohen, M., Elmqvist, T., Espey, J., Hajer, M., Hartmann, G., Matsumoto, T., Parnell, S., Revi, A., Roberts, D., Saiz, E., Schwanen, T., Seto, K., Tuts, R., & Pütten, M. (2022). A new urban narrative for sustainable development. *Nature Sustainability*, 6, 115-117. <https://doi.org/10.1038/s41893-022-00979-5>

Use of present tense for descriptions

This article focuses on the sustainability challenges faced by urban areas. It examines the environmental impacts of rapid urbanization, including increased energy consumption, transportation emissions, and waste generation. The author explores various strategies for creating sustainable cities, such as compact urban planning, green infrastructure, and the promotion of renewable energy sources.

Mention of the author

Main claim of study

The study also highlights the social and economic opportunities that can arise from pursuing urban sustainability. The focus is on an approach that aims at involving all communities as part of urban centres in an effort to identify the needs of both residents and the progressive urbanisation

Delivers the authors' argument

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demands due to populations' transitions between areas and cities as well as the desired outcomes of modifications to the urban environment itself.

Proposed solution
by author

The author describes possible models of consultations with residents and constant monitoring of feedback on the changes as they happen. This study highlights the principles of cooperation and shared responsibility towards an improved and sustainable quality of life in common spaces.

Evaluation

Silva, F., Coward, F., Davies, K., Elliott, S., Jenkins, E., Newton, A. C., Riris, P., Vander Linden, M., Bates, J., Cantarello, E., Contreras, D. A., Crabtree, S. A., Crema, E. R., Edwards, M., Filatova, T., Fitzhugh, B., Fluck, H., Freeman, J., Klein Goldewijk, K., ... Williams, A. (2022). Developing transdisciplinary approaches to sustainability challenges: The need to model socio-environmental systems in the Longue Durée. *Sustainability*, 14(16), Article 10234.

<https://doi.org/10.3390/su141610234>

Use of present tense
for descriptions

This comprehensive book explores the range of sustainability

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Description of source in terms of format/genre, content and structure

challenges faced in the 21st century. It covers a number of topics, including climate change, resource depletion, population growth, and social equity. The authors discuss the complex nature of these challenges and focus on how the interdependence of variables among all the challenges themselves have played over the decades. In this context they claim that the resulting factors affecting the implementation of sustainability practices and policies are to be object of a thorough analysis which can yield multifaceted interacting solutions and remediation planning.

Mention of authors

Main claim of study and author's stance

Delivers the authors' argument

Evaluation

To this aim, the study proposes strategies for achieving sustainability in various sectors, such as energy, transportation, and agriculture with a holistic and ecological approach, especially in terms of financial resources and technologies employed. Overall, the book provides a valuable, comprehensive overview of the key issues and opportunities associated with sustainability and what approaches are available to strategise a positive outcome for the planet.

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- ◆ Title References centred and bold
- ◆ Reference list in alphabetical order
- ◆ References have a hanging indent

References

Journal article

Allen, C., Metternicht, G., & Wiedmann, T. (2016). National pathways to the Sustainable Development Goals (SDGs): A comparative review of scenario modelling tools. *Environmental Science & Policy*, 66, 199–207.

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Document from a website

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Materials Economics. (2018). The circular economy: A powerful force for climate mitigation. <https://tinyurl.com/f7y6jfe5>

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Materials Economics. (2019). *Industrial transformation 2050*

pathways to net-zero emissions from EU heavy industry.

<https://tinyurl.com/2p8jkr6n>

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