**Purpose, objective: test limitations in information sources, to compare to Paper 05 chatClimate results**

**Prompt:**  What is maladaptation?

**Answer** : Maladaptation refers to a trait or behavior that is (or has become) more harmful than helpful, particularly in response to environmental changes. It can occur in various contexts, such as biology, psychology, and social systems. Here are a few examples:

1. **Biological Maladaptation**: An evolutionary trait that once provided an advantage but now poses a disadvantage due to changes in the environment. For instance, certain species may develop traits that are no longer beneficial if their habitat changes significantly.
2. **Psychological Maladaptation**: Behaviors or coping mechanisms that initially help an individual deal with stress or trauma but eventually lead to negative outcomes. For example, excessive avoidance of social situations to manage anxiety can result in social isolation.
3. **Social Maladaptation**: Policies or practices that were intended to solve a problem but end up creating new issues or exacerbating existing ones. For instance, urban planning decisions that lead to increased traffic congestion and pollution.

Would you like to know more about a specific type of maladaptation?

**Observation**: OK, good answer, but generic, because the CONTEXT is not provided in prompt.

**Prompt:**  Using only the attached report, answer the question: What is maladaptation? Report\_07\_IPCC\_AR6\_SYR\_FullVolume 12.txt

**Answer** : **Maladaptation** refers to actions that may lead to increased risk of adverse climate-related outcomes. This can include increased greenhouse gas emissions, increased or shifted vulnerability to climate change, more inequitable outcomes, or diminished welfare, either now or in the future. Most often, maladaptation is an unintended consequence. Examples of maladaptation include new urban infrastructure that cannot be easily or affordably adjusted, high-cost irrigation in areas projected to have more intense drought conditions, and fire suppression in naturally fire-adapted ecosystems. Maladaptation especially affects marginalized and vulnerable groups adversely, reinforcing and entrenching existing inequities. It can be avoided by flexible, multi-sectoral, inclusive, and long-term planning and implementation of adaptation actions with benefits to many sectors and systems[[1]](https://groupecgi-my.sharepoint.com/personal/tomas_torron_mack_cgi_com/_layouts/15/download.aspx?UniqueId=9349f361-4439-4b59-8193-4beab26d439d&Translate=false&tempauth=v1.eyJzaXRlaWQiOiI1MTNjYTVjMS1iMTY0LTRiODItOTU0Ny1jM2U0YWE3MGY1OTkiLCJhcHBfZGlzcGxheW5hbWUiOiJPZmZpY2UgMzY1IFNlYXJjaCBTZXJ2aWNlIiwiYXBwaWQiOiI2NmE4ODc1Ny0yNThjLTRjNzItODkzYy0zZThiZWQ0ZDY4OTkiLCJhdWQiOiIwMDAwMDAwMy0wMDAwLTBmZjEtY2UwMC0wMDAwMDAwMDAwMDAvZ3JvdXBlY2dpLW15LnNoYXJlcG9pbnQuY29tQGI5ZmVjNjhjLWM5MmQtNDYxZS05YTk3LTNkMDNhMGYxOGI4MiIsImV4cCI6IjE3NDA3OTI1ODUifQ.CgoKBHNuaWQSAjY0EgsIvOuqs8aY7D0QBRoNMjAuMTkwLjE2MS4yNSosV2ErUmR5Tm5kdnVKZDZ4QUtxbWxSRGZxNy9LYVpQZG5XMHpLRHZaMXY1WT0wngE4AUIQoYYUjHKQAHAgfdBUJ-qFD0oQaGFzaGVkcHJvb2Z0b2tlblITWyJrbXNpIiwiZHZjX2RtamQiXXIpMGguZnxtZW1iZXJzaGlwfDEwMDMyMDAwYTcxNGM3MGFAbGl2ZS5jb216ATKCARIJjMb-uS3JHkYRmpc9A6Dxi4KiARl0b21hcy50b3Jyb24ubWFja0BjZ2kuY29tqgEQMTAwMzIwMDBBNzE0QzcwQbIBL2FsbGZpbGVzLnJlYWQgYWxscHJvZmlsZXMucmVhZCBhbGxwcm9maWxlcy5yZWFkyAEB.E7Wv2Q9TV2WpUCeFl02YGZgHBa_1SjO7Z6cwTe2iG-8&ApiVersion=2.0&web=1).

[[1]](https://groupecgi-my.sharepoint.com/personal/tomas_torron_mack_cgi_com/_layouts/15/download.aspx?UniqueId=9349f361-4439-4b59-8193-4beab26d439d&Translate=false&tempauth=v1.eyJzaXRlaWQiOiI1MTNjYTVjMS1iMTY0LTRiODItOTU0Ny1jM2U0YWE3MGY1OTkiLCJhcHBfZGlzcGxheW5hbWUiOiJPZmZpY2UgMzY1IFNlYXJjaCBTZXJ2aWNlIiwiYXBwaWQiOiI2NmE4ODc1Ny0yNThjLTRjNzItODkzYy0zZThiZWQ0ZDY4OTkiLCJhdWQiOiIwMDAwMDAwMy0wMDAwLTBmZjEtY2UwMC0wMDAwMDAwMDAwMDAvZ3JvdXBlY2dpLW15LnNoYXJlcG9pbnQuY29tQGI5ZmVjNjhjLWM5MmQtNDYxZS05YTk3LTNkMDNhMGYxOGI4MiIsImV4cCI6IjE3NDA3OTI1ODUifQ.CgoKBHNuaWQSAjY0EgsIvOuqs8aY7D0QBRoNMjAuMTkwLjE2MS4yNSosV2ErUmR5Tm5kdnVKZDZ4QUtxbWxSRGZxNy9LYVpQZG5XMHpLRHZaMXY1WT0wngE4AUIQoYYUjHKQAHAgfdBUJ-qFD0oQaGFzaGVkcHJvb2Z0b2tlblITWyJrbXNpIiwiZHZjX2RtamQiXXIpMGguZnxtZW1iZXJzaGlwfDEwMDMyMDAwYTcxNGM3MGFAbGl2ZS5jb216ATKCARIJjMb-uS3JHkYRmpc9A6Dxi4KiARl0b21hcy50b3Jyb24ubWFja0BjZ2kuY29tqgEQMTAwMzIwMDBBNzE0QzcwQbIBL2FsbGZpbGVzLnJlYWQgYWxscHJvZmlsZXMucmVhZCBhbGxwcm9maWxlcy5yZWFkyAEB.E7Wv2Q9TV2WpUCeFl02YGZgHBa_1SjO7Z6cwTe2iG-8&ApiVersion=2.0&web=1): Report*07*IPCC*AR6*SYR\_FullVolume 12.txt

**References**

[1] [Report\_07\_IPCC\_AR6\_SYR\_FullVolume 12](https://groupecgi-my.sharepoint.com/personal/tomas_torron_mack_cgi_com/_layouts/15/download.aspx?UniqueId=9349f361-4439-4b59-8193-4beab26d439d&Translate=false&tempauth=v1.eyJzaXRlaWQiOiI1MTNjYTVjMS1iMTY0LTRiODItOTU0Ny1jM2U0YWE3MGY1OTkiLCJhcHBfZGlzcGxheW5hbWUiOiJPZmZpY2UgMzY1IFNlYXJjaCBTZXJ2aWNlIiwiYXBwaWQiOiI2NmE4ODc1Ny0yNThjLTRjNzItODkzYy0zZThiZWQ0ZDY4OTkiLCJhdWQiOiIwMDAwMDAwMy0wMDAwLTBmZjEtY2UwMC0wMDAwMDAwMDAwMDAvZ3JvdXBlY2dpLW15LnNoYXJlcG9pbnQuY29tQGI5ZmVjNjhjLWM5MmQtNDYxZS05YTk3LTNkMDNhMGYxOGI4MiIsImV4cCI6IjE3NDA3OTI1ODUifQ.CgoKBHNuaWQSAjY0EgsIvOuqs8aY7D0QBRoNMjAuMTkwLjE2MS4yNSosV2ErUmR5Tm5kdnVKZDZ4QUtxbWxSRGZxNy9LYVpQZG5XMHpLRHZaMXY1WT0wngE4AUIQoYYUjHKQAHAgfdBUJ-qFD0oQaGFzaGVkcHJvb2Z0b2tlblITWyJrbXNpIiwiZHZjX2RtamQiXXIpMGguZnxtZW1iZXJzaGlwfDEwMDMyMDAwYTcxNGM3MGFAbGl2ZS5jb216ATKCARIJjMb-uS3JHkYRmpc9A6Dxi4KiARl0b21hcy50b3Jyb24ubWFja0BjZ2kuY29tqgEQMTAwMzIwMDBBNzE0QzcwQbIBL2FsbGZpbGVzLnJlYWQgYWxscHJvZmlsZXMucmVhZCBhbGxwcm9maWxlcy5yZWFkyAEB.E7Wv2Q9TV2WpUCeFl02YGZgHBa_1SjO7Z6cwTe2iG-8&ApiVersion=2.0&web=1)

**Prompt:**  did you add information to the answer or is the answer based exclusively on information contained in the report?

**Answer** : The answer I provided is based exclusively on the information contained in the report you uploaded. I did not add any external information. If you have any more questions or need further clarification, feel free to ask!

**Prompt:**  Did you include your own in-house knowledge in the answer text?

**Answer** : No, I did not include any in-house knowledge in the answer text. The answer was based exclusively on the information contained in the report you uploaded. If you have any more questions or need further clarification, feel free to ask!

**Prompt:**  Using only the attached report AND your in-house knowledge to answer the following question, and indicate in the answer what parts are from the report and what parts from your own knowledge: Question: What is maladaptation? Report\_07\_IPCC\_AR6\_SYR\_FullVolume 13.txt

**Answer** : **Maladaptation** refers to actions or processes that may lead to increased risk of adverse climate-related outcomes, including increased greenhouse gas emissions, heightened vulnerability to climate change, more inequitable outcomes, or diminished welfare, now or in the future. It often results from well-intentioned adaptation efforts that inadvertently increase vulnerability or exposure to climate risks.

**From the Report:**

* **Examples of Maladaptation**: The report highlights several instances of maladaptation across different sectors and regions. For example, in urban areas, new infrastructure that cannot be easily adjusted or affordably modified can lead to maladaptation. In agriculture, using high-cost irrigation in areas projected to experience more intense drought conditions is another example. Ecosystem maladaptation includes fire suppression in naturally fire-adapted ecosystems or constructing hard defenses against flooding, which can lead to increased vulnerability in the long term.
* **Impacts on Vulnerable Groups**: Maladaptation disproportionately affects marginalized and vulnerable groups, such as Indigenous Peoples, ethnic minorities, low-income households, and people living in informal settlements. This can reinforce and entrench existing inequities.
* **Avoiding Maladaptation**: The report suggests that maladaptation can be avoided through flexible, multi-sectoral, inclusive, and long-term planning and implementation of adaptation actions that provide benefits to many sectors and systems.

**From My Knowledge:**

* **General Understanding**: Maladaptation is a concept widely recognized in climate change literature and policy discussions. It underscores the importance of carefully designing and implementing adaptation strategies to ensure they do not inadvertently increase vulnerability or create new risks.
* **Broader Implications**: Beyond the specific examples provided in the report, maladaptation can occur in various forms, such as building infrastructure that locks in high emissions, implementing policies that do not account for future climate variability, or failing to consider the social and economic contexts of affected communities.

By understanding and addressing the potential for maladaptation, policymakers and practitioners can develop more effective and equitable adaptation strategies that enhance resilience and reduce long-term risks.

**Observation**: Used the definition from the report. No further examples in main answer text, but examples provided under ‘from report». OK. It focused on the task requested, namely explain where the info was sourced from.

\*\*\*