

# Adaptation in the context of climate change

**Presented by**

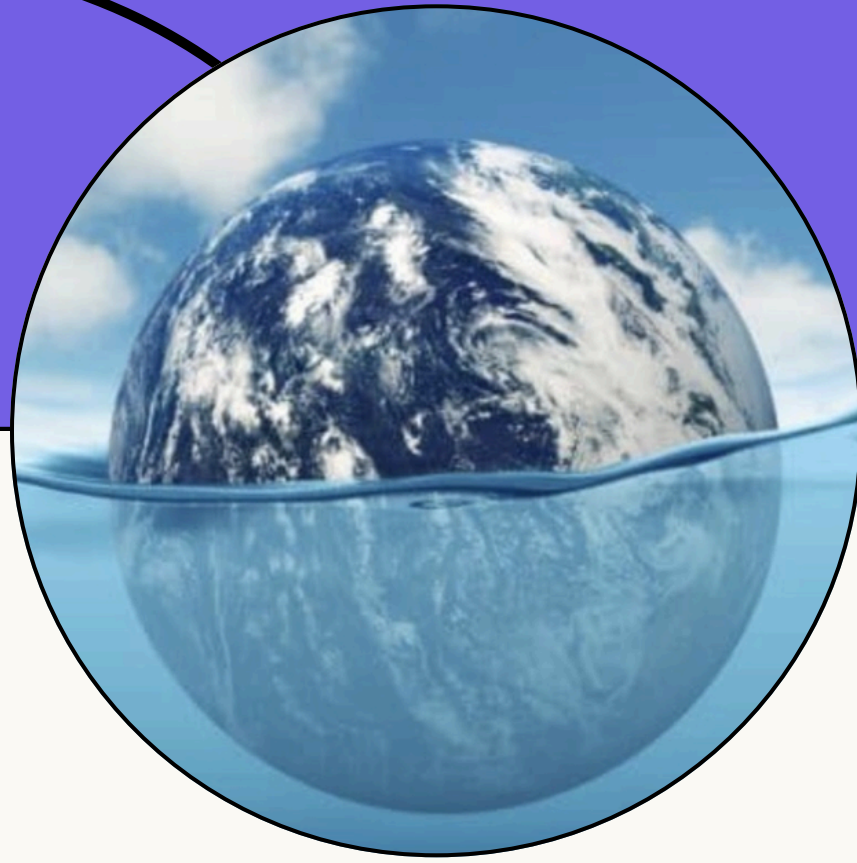
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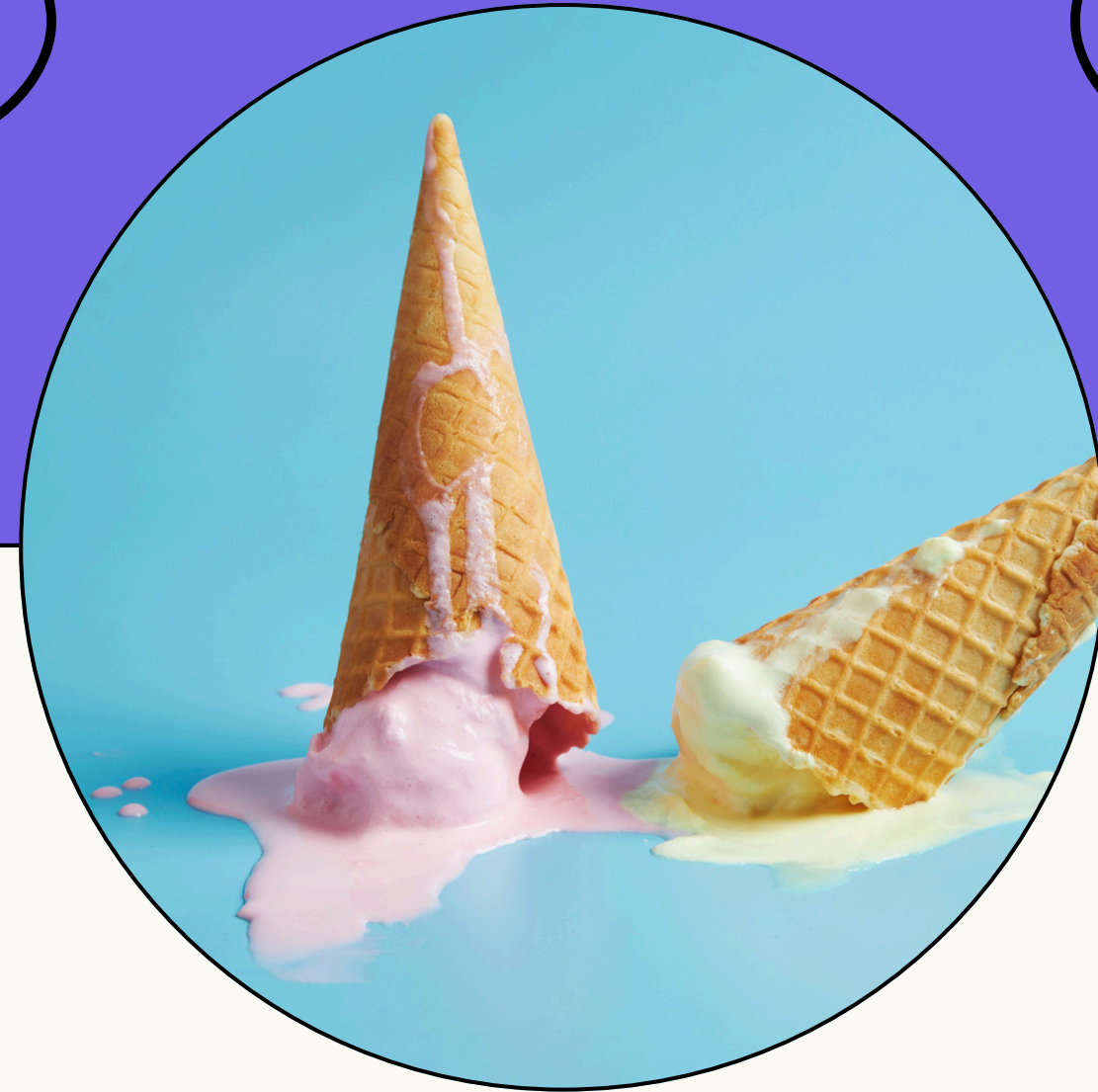
# SUMMARY

- What is **adaptation**
- Types of **adaptation**
- Why is **adaptation** important
- Future outlook
- Global efforts and policies





RISING SEA LEVELS



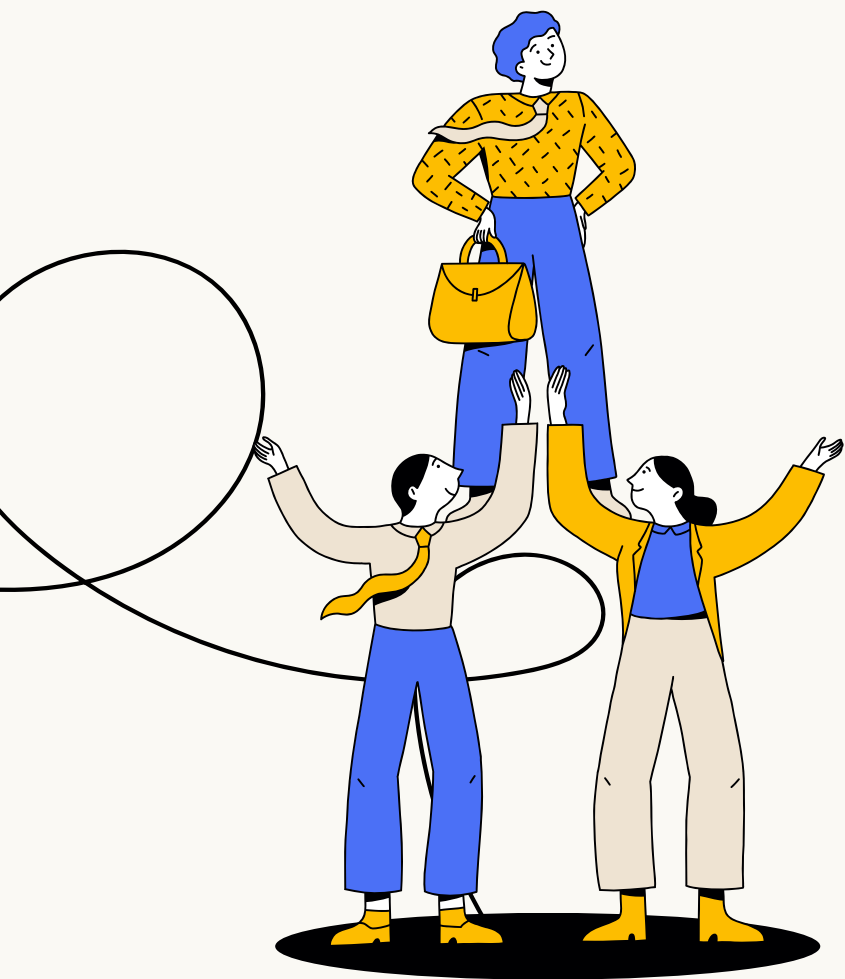
MELTING OF ICE



HIGH TEMPERATURE

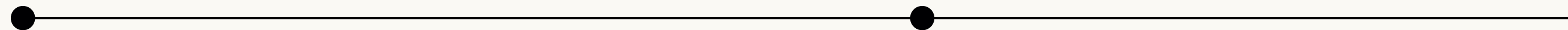
# Understanding Climate Change

# What is Adaptation?



Adaptation is an adjustment in ecological, social or economic systems in response to actual or expected climatic stimuli and their effects.

UNFCCC 2023



# Types of Adaptation

1



- Reactive adaptation
- Proactive adaptation

2

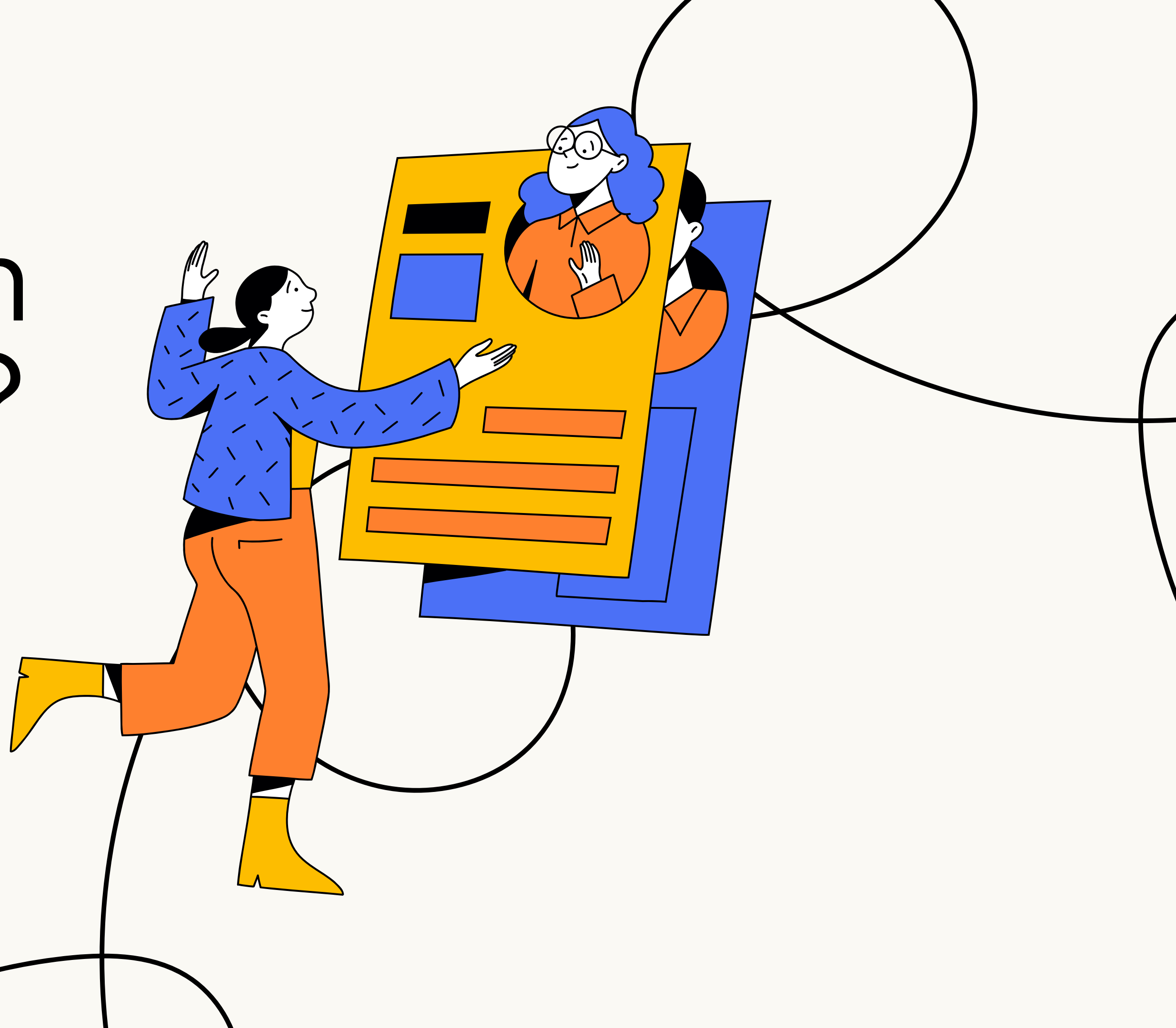


- Hard adaptation
- Soft adaptation

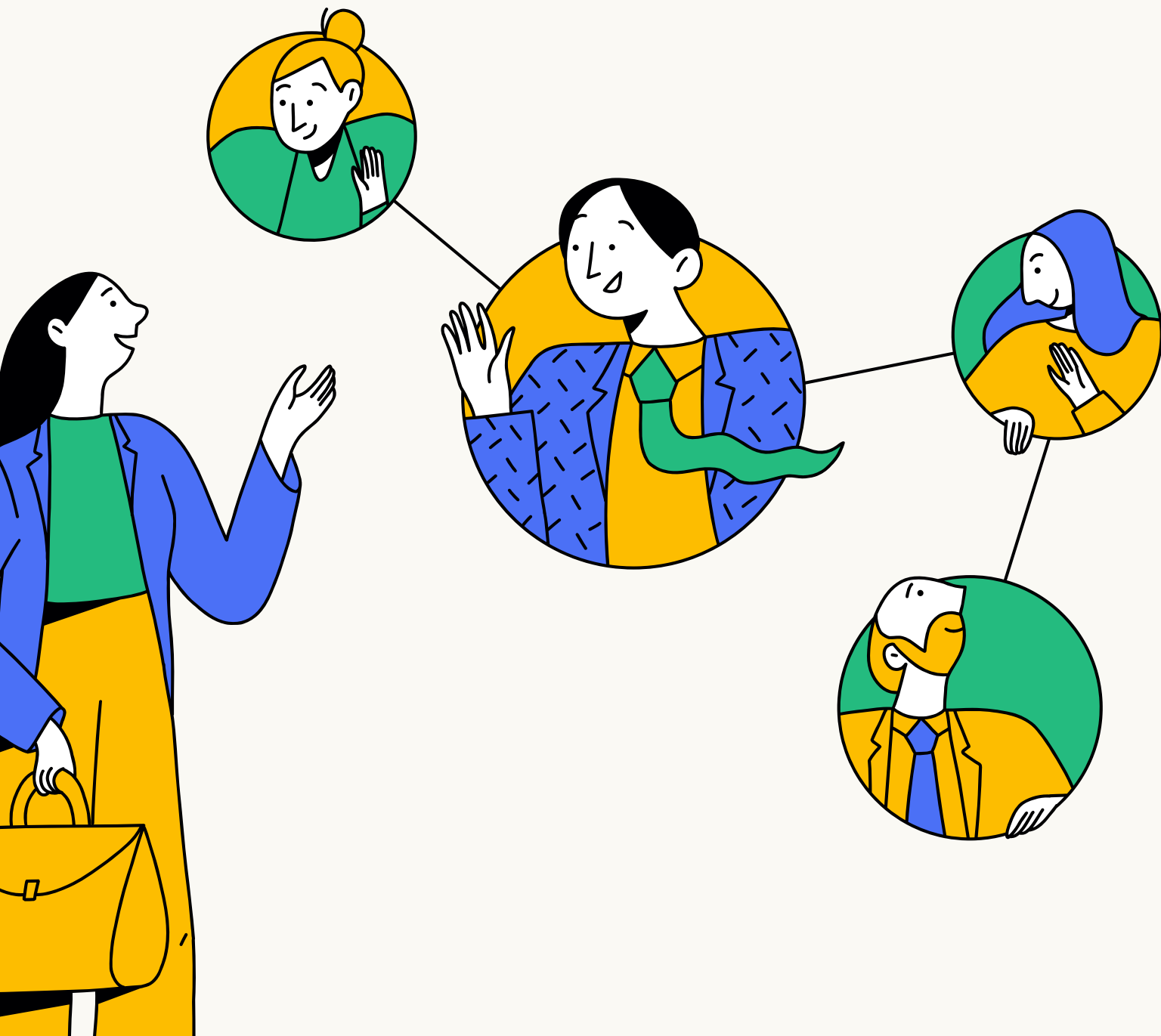
We need both categories to stay safe

# Why is Adaptation Important?

- protection of ecosystem
- long-term sustainability
- economical sustainability



# Global efforts and policies



1

## Role of cooperation in global climate action

Collaboration between different sectors strengthens climate resilience and promotes the development of innovative solutions.

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2

## Financing and adaptation support

Financial mechanisms ensure that developing countries receive the necessary resources to implement sustainable climate strategies.

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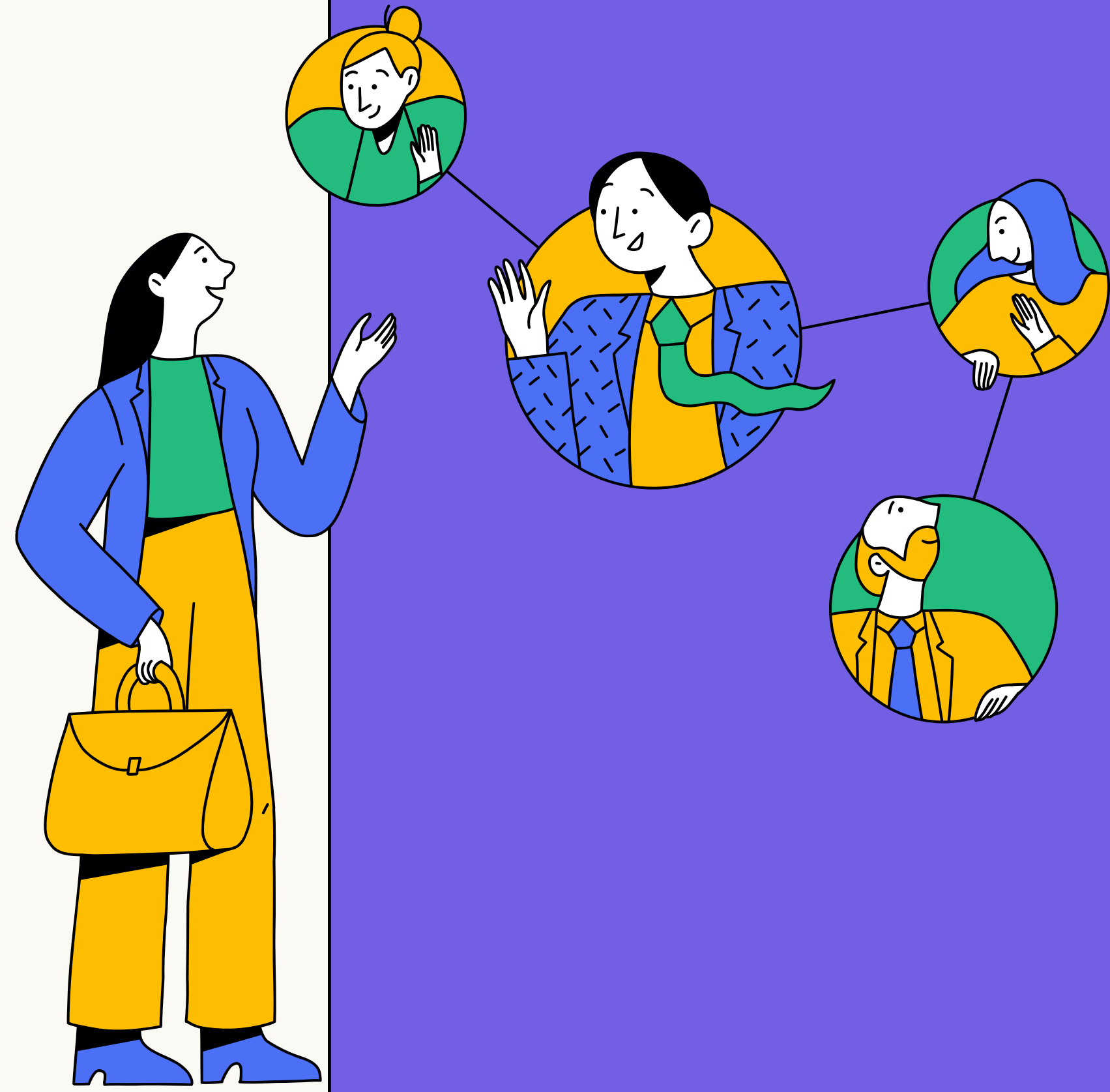
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## International frameworks and agreements

International agreements provide a foundation for coordinated global efforts to combat climate change.

# Affected Sectors

- Agriculture & Forestry
- Water management
- Energy sector
- Health sector
- Infrastructure & Transport







## CHALLENGES TO ADAPTATION AND FUTURE OUTLOOK



### Challenges

- Financial and resource limitations
- Lack of awareness and political will
- Technological barriers



### Future outlook

- Innovations: climate-smart agriculture, AI forecasting
- Integration of adaptation into development plans
- "Adaptation is no longer a choice — it's a matter of survival"



# Case studies

1



AZ, South Asia

Bangladesh- Cyclone shelter

2

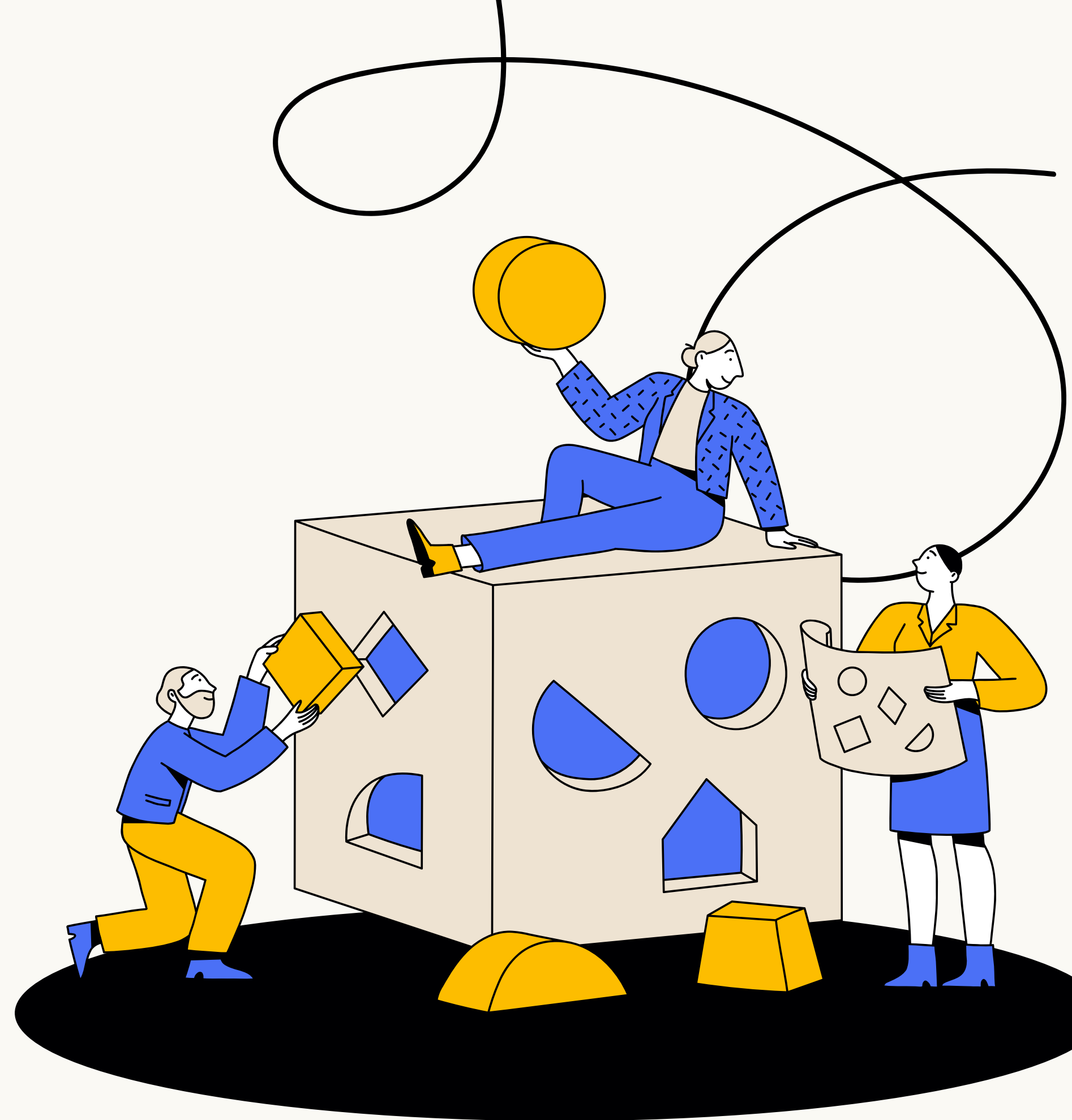


Dutch Water Sector 2021

Netherlands- Flood defenses

# Conclusion & Q&A

Adaptation to climate change is a necessity for a sustainable future, requiring global actions and cooperation.



# DISCUSSION

Who Should Pay for Adaptation in Developing Countries?



THANK YOU FOR YOUR  
ATTENTION :)



# SOURCES

<https://unfccc.int/topics/adaptation-and-resilience/the-big-picture/introduction>

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<https://www.fundsforngos.org/proposals/what-are-the-challenges-faced-during-climate-change-adaptation-project//https://unfccc.int/topics/adaptation-and-resilience/the-big-picture/introduction>

<https://www.greenclimate.fund/about>