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# **United Nations Development Programme**

## **Adaptation Policy Framework Aims and Status**

**UNDP-GEF**

## *Overview of presentation*

- 1) National Adaptation Policy Approach :Guidance, Objective Funding and Eligibility for LDCs**
- 2) Guidance on Adaptation : APF**

**Opportunities to address Adaptation**

# *Overview of APF*

## **APF:**

- Purpose of APF..... FOR?
- Target audience .....FOR WHOM?
- Rationale.....WHY?
- Application of the APF..... HOW?
- Components of the APF..... ..WHAT?
- Timeline and review process...NEXT STEPS?

<b>Adaptation Policy Framework (APF)</b>
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## *Purpose of the APF*

- *Aims* to provide guidance for formulating adaptation policy
- *Describes* key concepts for developing adaptation strategies, policies and measures
- *Focuses* on integrating adaptation into national and sectoral planning

## *Target audience*

- Primary audience
  - UNFCCC, GEF
  - Developing countries
  - National climate change teams
  - 8 national teams in GEF regional project in Central America, Mexico and Cuba
- Secondary audience
  - Other experts and institutions involved in adaptation studies, including Annex I countries
  - Multilateral and bilateral agencies

## *Rationale of the APF*

- *Builds* on earlier work
  - 1st generation of V&A studies (gap filling)
  - Previous methodologies (IPCC, UNEP, USCSP)
  - IPCC Third Assessment Report (IPCC, 2001)
  - UNFCCC/UNDP workshop, Montreal 2001 (APF, May 2001)
- *Responds* to issues reported by countries
  - Limited tools and training
  - Uncertainty of climate scenarios, integration across sectors, lack of socio-economic analysis
  - Difficulty in developing feasible policy options

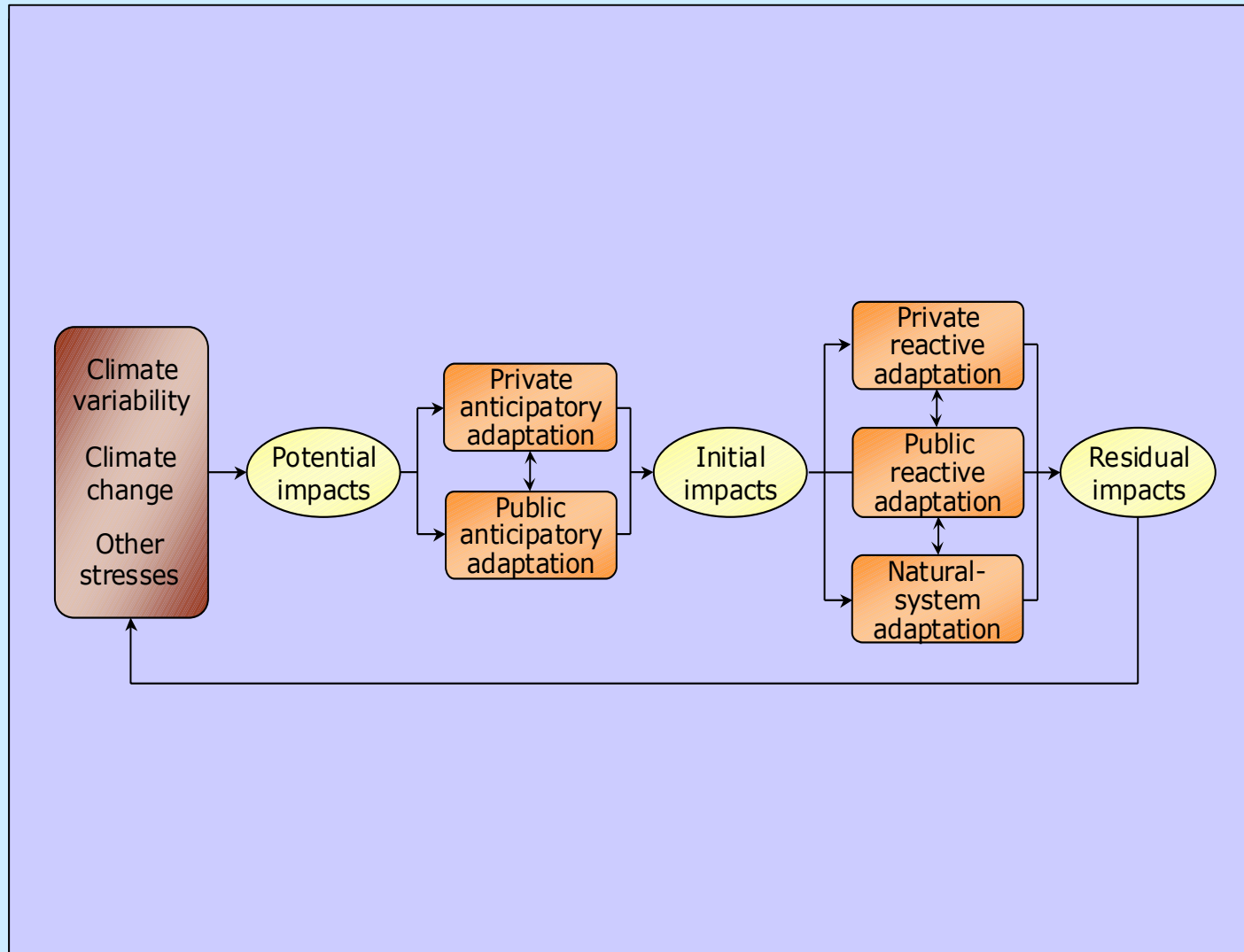
*Driven* by desire to advance adaptation

*Key Questions:*  
*V&A Assessments in Initial National*  
*Communications*

- What are the climate change impacts in terms of temperature and rainfall?
- Which economic sectors of the country are most vulnerable?
- What are the adaptation priorities?

National assessments completed to varying degrees

# *Frameworks for assessment*



Klein, NCSP workshop, Armenia, October, 2000



*Key Questions:*  
*2nd generation of V&A studies (1)*

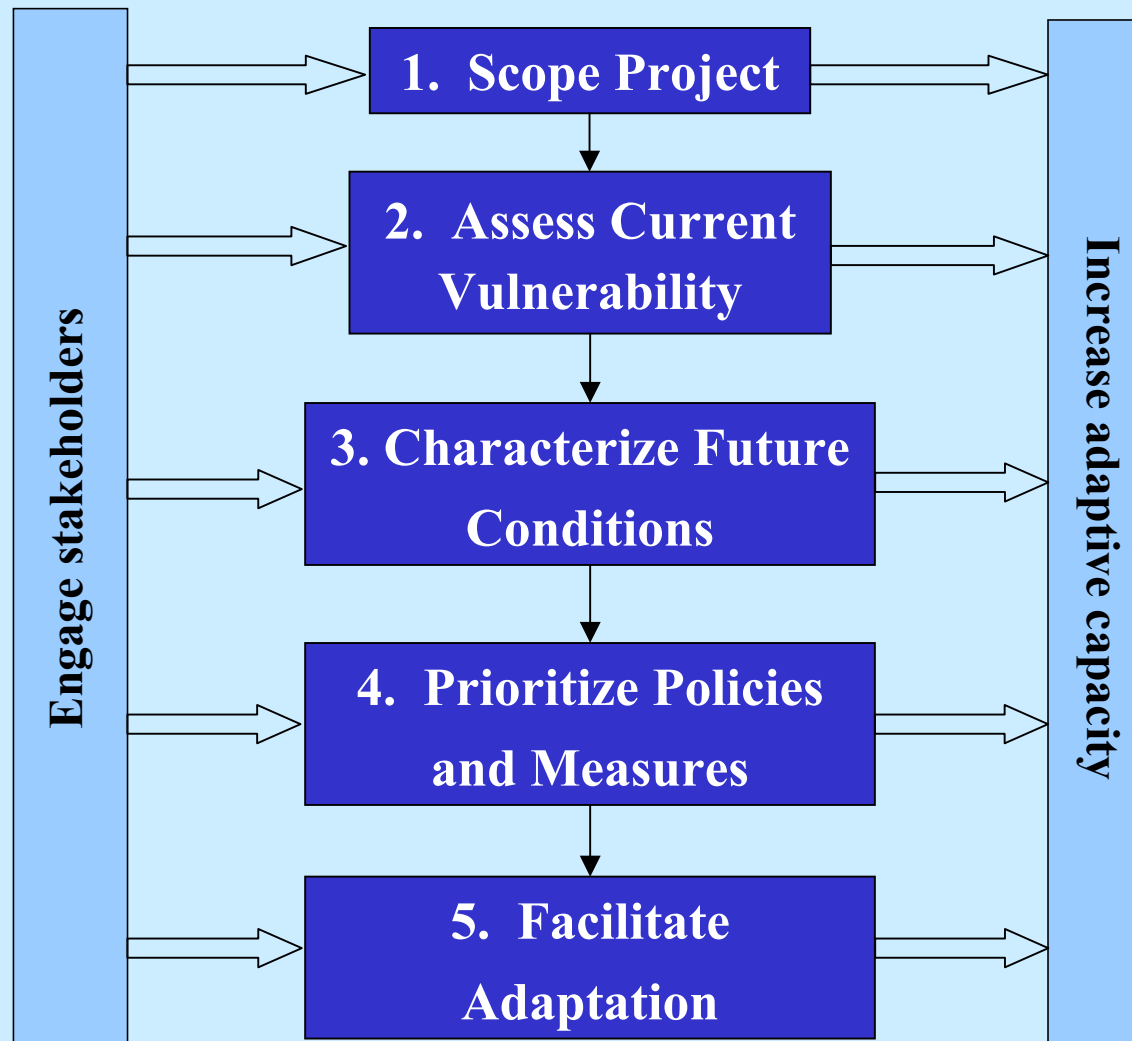
- What are the policies and measures for developing an adaptation *strategy*?
- What is required to *implement* and *integrate* such an adaptation strategy into existing national policies?
- What are barriers and opportunities for doing so?

## *Key Questions:*

### *2nd generation of V&A studies (2)*

- What information is needed to address these questions? For example:
  - What are the *current levels of* risks of climate change, climate variability and extremes, vulnerability and adaptive capacity, and adaptation?
  - What adaptations are required under *future climate*?

# *Example of an Adaptation Policy Framework*



## *Application of the APF*

- ‘One size’ does not fit all
  - Components designed to ‘Mix and match’
  - Not intended to be followed in a top-down, sequential manner
  - Flexible framework to identify areas of national importance
- Methodological choice
  - Methods are an means to an end, not an end in themselves
  - They should be appropriate to the purpose of the study
  - Their choice should be determined by the information that is needed for developing adaptation policy
- Emphasis on in-country ownership
  - Role of stakeholders is to identify the national issues

## *Structure of the APF*

- *Tier 1*: Summary (5 pp)
- *Tier 2*: Users' overview (25 pp)
- *Tier 3*: Technical components (25 pp)
  - Project design
  - Stakeholders
  - Current and future vulnerability
  - Climate sensitivity, coping range, and thresholds
  - Current and future climate risks
  - Current and future socio-economic condition
  - Adaptive capacity
  - Preparing for adaptation
  - Monitoring, evaluation, and review

## *Authors of the APF*

- *Co-ordinating Lead Authors:* Burton, Huq and Lim
- *Lead Authors*
  - TP1: Aguilar (El Salvador), Burton (Canada), Huq (Bangladesh) and Lim (UNDP)
  - TP2: Conde (Mexico) and Lonsdale (UK)
  - TP3: Downing (UK) and Patwardhan (India)
  - TP4: Jones (Australia) and Boer (Indonesia)
  - TP5: Jones (Australia), Mearns (US), and Magwezi (Uganda)
  - TP6: Malone (US) and Rovere (Brazil)
  - TP7: Adger (UK), Khan (Pakistan), and Brooks (UK)
  - TP 8: Diop (Senegal) and Bosch (The Netherlands)
  - TP 9: Perez (Philippines) and others

## *TP 1: Using the APF for designing adaptation studies (1)*

- *Purpose:* To help countries design adaptation studies
- *Approach:*
  - Rapid analysis of current and future climatic vulnerability and adaptation
  - Rapid analysis of the current policy and national decision processes
  - Management of the process, including the stakeholders
- *Questions: (see over)*

## *TP 1: Using the APF for designing adaptation studies (2)*

- What do we mean by adaptation policy?
  - National strategies
  - Policy instruments and measures
  - Settings, scales and fine tuning
- How does policy change?
  - Incremental and fundamental change
  - Role of experience and science
  - Role of stakeholders



## *TP 2: Stakeholders identification and engagement to increase adaptive capacity*

- *Purpose:* To provide a summary of the techniques for stakeholder engagement
- *Approach:*
  - Definitions: focus on adaptive capacity
  - Identification: private, public
  - Techniques for engagement (not ‘tokenism’)
  - Linkages to the planning process (participatory)
- *Questions:*
  - Too much or too little stakeholder involvement? Who? When?

## *TP 3: Characterising current and future climate vulnerability (1)*

- *Purpose:* To provide a suite of approaches for assessing vulnerability
- *Approach:*
  - Introduces concepts, methodologies and indicators
  - Case studies
- *Questions (over)*

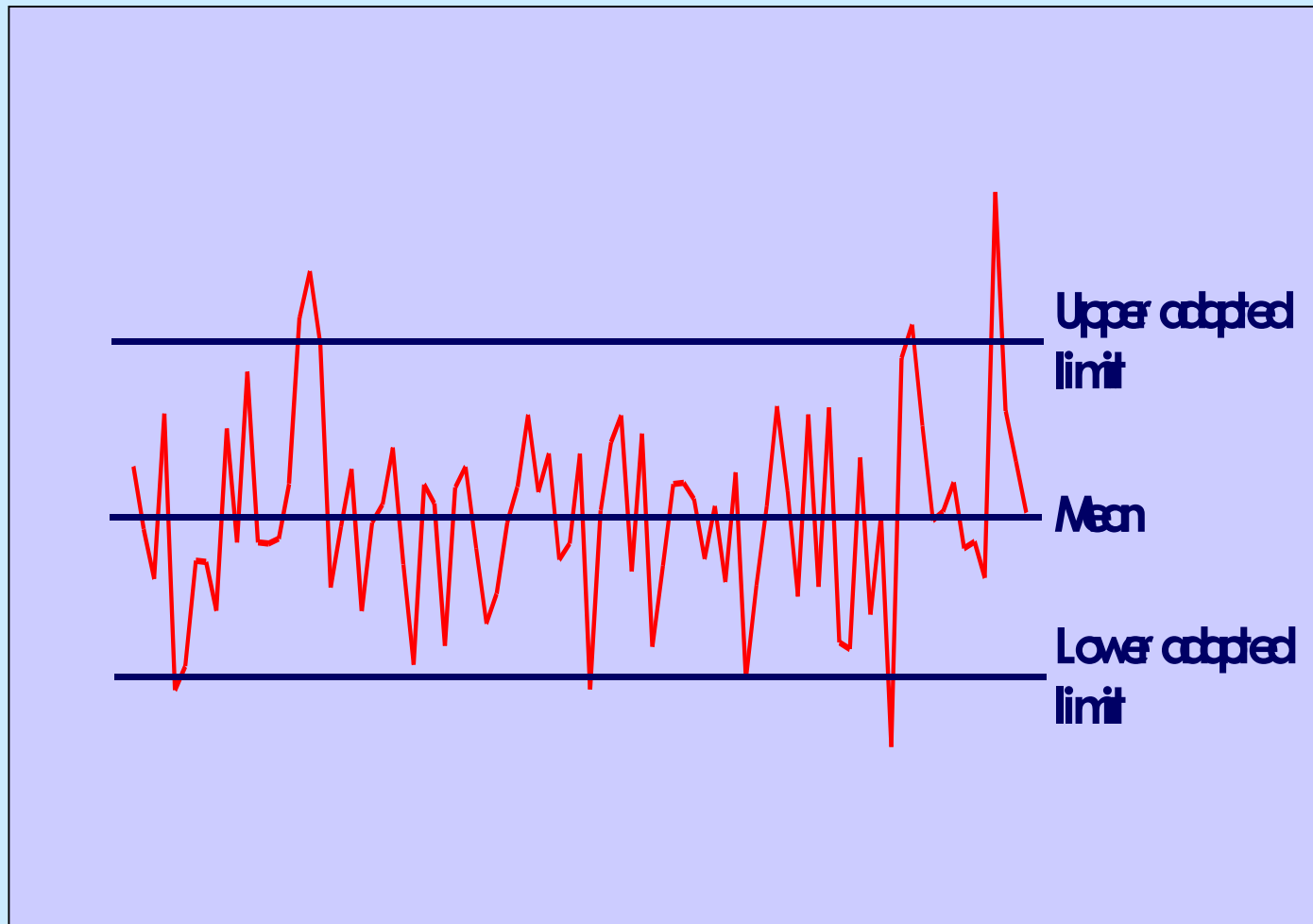
## *TP 3: Characterising current and future climate vulnerability (2)*

- *Questions:*
  - What is the nature of current vulnerability?
  - Who is vulnerable?
  - What is the current level of vulnerability?
  - What is the future level of vulnerability?

## *TP 4: Climate sensitivity, coping range and thresholds (1)*

- *Purpose:* To provide conceptual tools for relating climate impacts and sensitivity with vulnerability
- *Approach:*
  - Relates climate change, including climate hazards, with coping strategies
  - Identifies climate variables that affect coping ranges
  - Explains the use of thresholds as a tool for adaptation
  - Case studies

## *Coping Range for Current Climate*



Jones et al., NCSP workshop, Kuala Lumpur, September 2000

## *TP 5: Assessing current and future climate risks (1)*

- *Purpose:* To provide guidance on risk assessment techniques
- *Approach:*
  - Uses climate-based and vulnerability-based approaches
  - Uses thresholds, coping ranges, hazards and other climate information
  - Uses risk analysis for managing uncertainty of climate scenarios
  - Describes use of climate modelling

## *TP 5: Assessing current and future climate risks (2)*

- *Questions:*
  - What is the system of interest?
  - What climate information do we need for adaptation?
  - What are the climate risks of the system?

## *TP 6: Socio-economic conditions and prospects (1)*

- *Purpose:*

- To provide guidance on how to characterise socio-economic conditions and drivers
- To integrate adaptation into sustainable development objectives

- *Approach:*

- Focuses on national, subnational and local scale
- Analysis of current adaptations and future development trends
- Based on current socio-economic conditions and future prospects, not necessarily modelling



## *TP 6: Socio-economic conditions and prospects (2)*

- *Questions:*

- In what way are the future socio-economic conditions sensitive to climate change?
- What adaptations will be needed?
- Which are the policies that would need to be modified or added?

## *TP 7: Adaptive capacity*

- *Purpose:* To explain how adaptive capacity can be enhanced
- *Approach:*
  - Defines adaptive capacity as social capital, economic resources, and political conditions
  - Aims to identify barriers and opportunities for adaptation at the national, sub-national and local scales
- *Questions:*
  - What is adaptive capacity?
  - How can it be measured?
  - How can policy interventions enhance adaptive capacity?

## *TP 8: Preparing for adaptation (1)*

- *Purpose:* To provide guidance on how to develop adaptation strategies, including prioritisation of measures
- *Approach:*
  - Analyse options with economic and non-economic models
  - Suggest criteria for selection of adaptations
  - Consider adaptation technologies
  - Develop policy recommendations for short, medium and long-term climate risk

## *TP 8: Preparing for adaptation (2)*

- *Questions:*
  - Where is most adaptation needed?
  - What kind of adaptations are appropriate?
  - What level of policy intervention is needed?
  - What level of investment and effort is needed?
  - Where are the barriers and opportunities?

## *TP 9: Monitoring, review and evaluation of adaptation*

- *Purpose:* To explain how current adaptation can be evaluated, and what kind of monitoring and review mechanisms may be appropriate
- *Approach:*
  - Agree 'baseline' adaptation
  - Develop indicators for adaptation success
  - Design monitoring and review system

## *Next steps: Process*

- Elaborating Technical Components
- Elaboration under GEF regional project(s), and others
- Interactive process with guidance from users
- Users' Panel to be established
- Reviewers nominated by teams
- Open review process

## *Next steps: Timing*

- Three lead author meetings through 2002 (Ghana, Cuba)
- Zeroth-order draft available
- First draft, mid-July 2002
- Second draft, early-October 2002
- Side event at COP-8
- Translation into languages and wide dissemination
- Additional meetings in 2003, as needed

## *Challenges*

- Making sure that the APF is practical and understandable to users
- Ensuring that the relationship between adaptation and climate change, and sustainable development is distinct
- Involving more policy makers from developing countries
- Adding more case studies
- Providing technical support to countries for its application

## **Acknowledgements**

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## *Contact details*

If you would like to contribute to the APF, or obtain more information, please contact:

**Website: [www.undp.org/cc/helpdesk1.htm](http://www.undp.org/cc/helpdesk1.htm)**