

Κλιματική αλλαγή και  
μετανάστευση  
Αναζήτηση (αλλά όχι εύρεση)  
μια δημόσιας πολιτικής

# A very old concern

- **Theophrastus**
- **Hippocrates**
- **Aristotle**
  - and
- **Montesquieu**
- **Buffon**
- **Hume...**

# A very old research subject

– Positive vision

- **S.S. ARRHENIUS (1896)**
- **G.S. GALLENDAR (1938)**

– Negative vision

- **G. PLASS (1956 )**
- **R. REVELLE, H.E. SUESS (1957)**

# Climate Change as a global issue

- 1992: UNFCCC (WMO, UNEP)
- 1997: Kyoto Protocol
- 2015: Paris Agreement



# Environmental and social impacts

Sea level rise  
Drought  
Extreme weather events  
Biodiversity loss  
Etc...



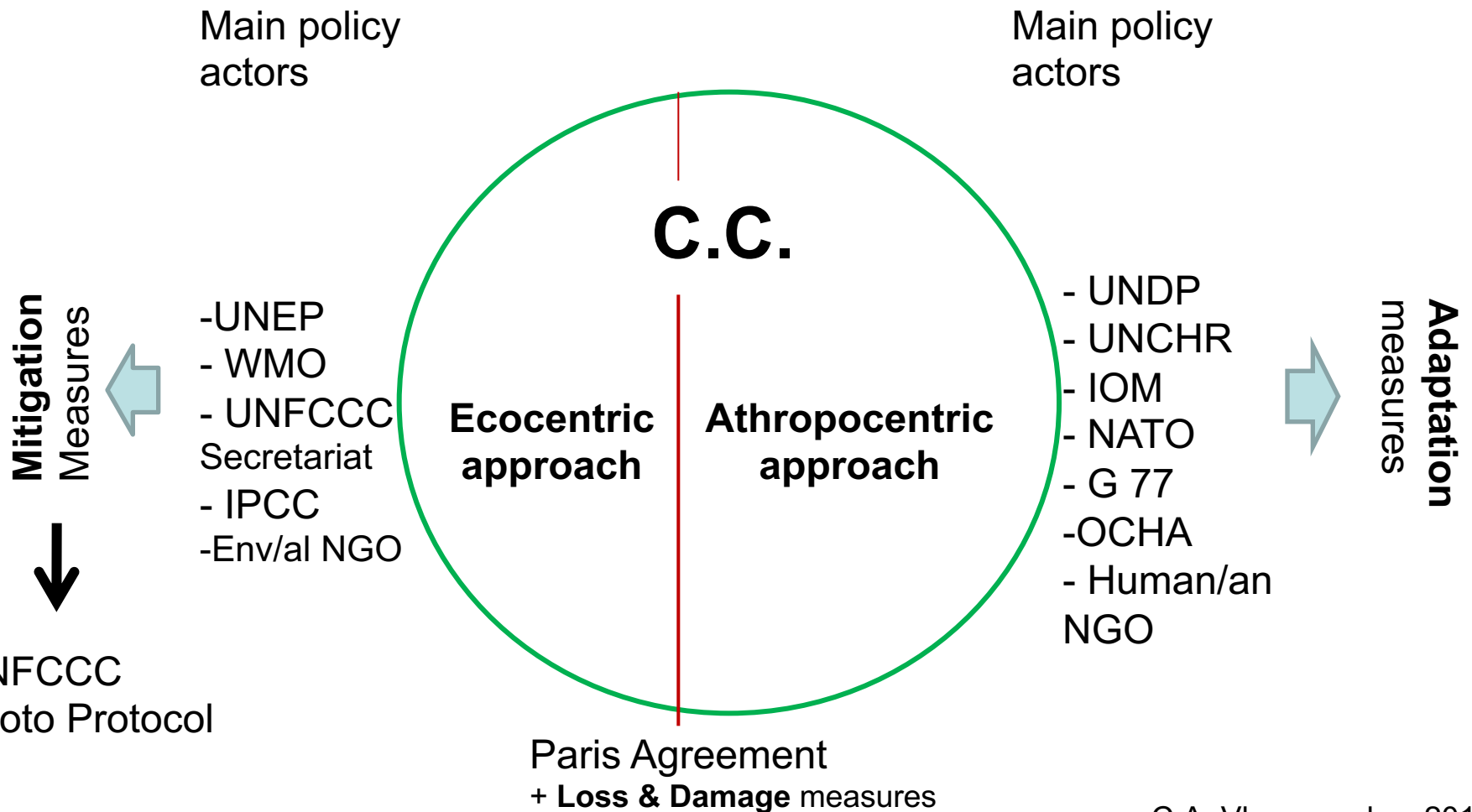
Pollution reduction

Under development  
Security  
Human health  
**Migration**  
Etc...

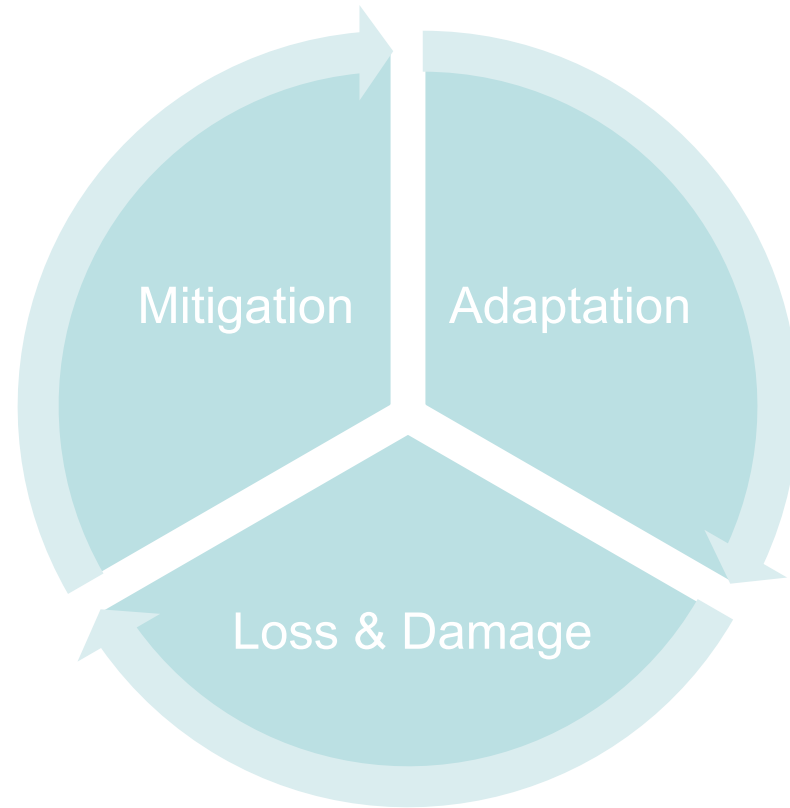


Human protection

# Competing Approaches to climate change



# Climate change policy today



# Environmental migration has always existed

- Adaptation to changing environmental conditions (volcanos, earth quicks)
- Human settlement
- Frontiers as an obstacle to displacement

# Natural ...but also due to human activity

L' exemple de l' îles de Pâques 500 et 800 AD. J.-C.



# Potato disease in Ireland (1845-1851)



# Dust Bowl, California (1930)



# Drought in Konya Turkey





# Council of ministers underwater - Maldives



# Research on environmental migration

→ Minimalists

versus

→ Maximalists

# No clear definition

- EL-HINNAWI .(1985):  
*People forced to leave their permanent homeland because of a **significant environmental breakdown** (natural or man-made) that endangers their existence and affects their quality of life*
- MYERS (1993):  
*People that can no longer have a safe life in their homelands because of drought, soil erosion, desertification and **other environmental problems***
- BATES (2002):  
*People who migrate from their usual place of residence due to **changes in their non-human environment***
- IOM (2011):  
*Environmental migrants are persons or groups of persons who, predominantly **for reasons of sudden or progressive change in the environment** that adversely affects their lives or living conditions, are obliged to leave their habitual homes, or choose to do so, either temporarily or permanently, and who move either within their country or abroad*

# No clear identification

→ El Hinnawi: 10 million in 1988

→ Myers: 25 million in 1997

200 million in 2050

→ Christian Aid: 1 billion in 2050

(Environmental migrants/refugees, climate migrants/refugees, eco-migrants/refugees, Environmental forced migrants)

# Environmental Migration as a UN concern

- 1985: Report on environmental refugees (**UNEP**)
- 1992: International Conference « Migration & Environment » (**IOM, Refugee Policy Group**)
- 1992: International Conference «Environnement & Development » (**UNDP**)
- 1994: UN Conference «Population & Development» (**Population Institut**)
- 1996: International Conference «Environmental displacement and environmental impacts resulting from mass migration» (**IOM, UNHCR**)

# Problems as russian dolls

(1) migration (**cause**) → env/al degradation

(**problem**) → conflict (**consequence**)

(2) env/al degradation (**cause**) → migration (**problem**), →  
impoverishment, home loss (**consequence**)

(3) GHG (**cause**) → climate change (**problem**) → migration  
(**consequence**)

(4) GHG (**cause**) → climate change (**problem**) → risks for  
humanity (**consequence**) → Planned migration (**solution**)  
→

# Causes → Problem → Consequences → Solutions

## Migration

Environmental degradation

Impoverishment  
Conflict, etc.

Migration management

Environmental disasters

**Environmental migration**

Homeland loss  
Impoverishment  
Conflict, etc

- Sustainable development  
- Ad Hoc Convention

## Since the 2000:

GHG emissions

Climate change

Drought-Floods  
Sea level rise  
Hunger  
Impoverishment,  
**Climate migration**,  
etc

- Development-adaptation

GHG emissions

Climate change

Drought-Floods  
Sea level rise  
Hunger  
Impoverishment,  
etc

- Mitigation  
- Development Adaptation  
**- Planned Migration**

# Climate migration as a consequence

GHG  
emissions  
(human &  
natural



Drought-Floods  
Sea level rise  
Hanger  
Impoverishment  
**Climate migration**,  
etc

Development-  
adaptation  
measures  
Ad hoc  
mecanism

- Migration as consequence
- Policy actors: scientists and policy actors, NGOs and IGOs (IOM, UNHCR, UNDP, NATO)
- Solutions: development-adaptation measures
- Discourse: alarmist
- Agenda setting, no policy making



# Climate migration as a solution

GHG  
emissions  
(human &  
natural

Climate  
Change

Drought-Floods  
Sea level rise  
Hanger  
Impoverishment,  
etc

Mitigation  
Development-  
adaptation  
**Planned  
Migration**

- Policy actors: mostly two IGOs (IOM, UNDP)
- Climate Migration as a solution
- Victims protected: only certain categories of potential climate displaced persons (slow onset degradation)
- Discourse: no alarmism, no threat, (internal migration, local policy measures)
- Policy making

## **COP 16 2010 à Cancun :**

*‘Measures to enhance understanding, coordination and cooperation with regard to climate change induced displacement, migration and planned relocation, where appropriate, at national, regional and international levels’*

# Problem recognition

- Migration is for the first time recognized as an climate change impact in an official UN document
- Opens for the first time a possibility for financial support via the Adaptation Fund

# Climate migration under the Paris Agreement

From « Adaptation »...

... to « Loss and Damage »

Cause

Problem

Consequences

Solutions

Green  
House Gas  
emissions

Climate  
Change

```
graph LR; A[Green House Gas emissions] --> B(Climate Change); B --> C(Avoidable); B --> D(Non-avoidable); C --> E[Mitigation-adaptation measures]; D --> F[L & D: Under discussion];
```

Avoidable

Mitigation-  
adaptation  
measures

Non-avoidable  
**L & D:**

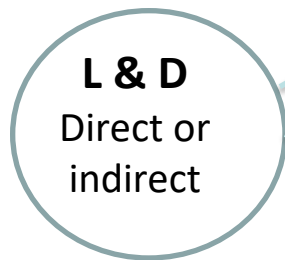
Under  
discussion

## Problem

Climate  
change

## Consequences

Non-avoidable



**Economic**

**Non-economic:**

Biodiversity  
Ecosystem services,  
Life  
Health  
**Migration**  
Etc...

## Solutions

Discussion about  
compensation

Unspecified  
ad hoc  
mechanisms?