



Additionality, Baseline, Leakages and Permanence in the A/R CDM

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INTERCOOPERATION



Key concepts

- **Additionality**
- **Baseline**
- **Leakage**

Key concept: **Additionality**

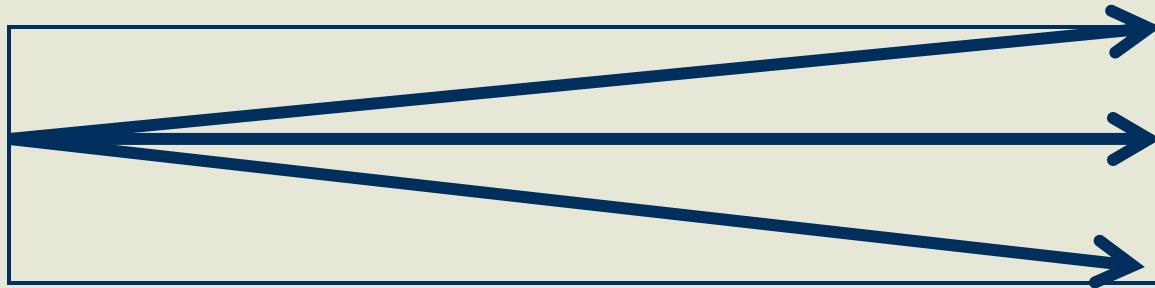
Increases in the carbon stocks in the 5 pools beyond that would have taken place without the A/R project activity

5 pools:

- above ground biomass
- below ground biomass
- deadwood
- litter
- organic soil

Key concept: Baseline

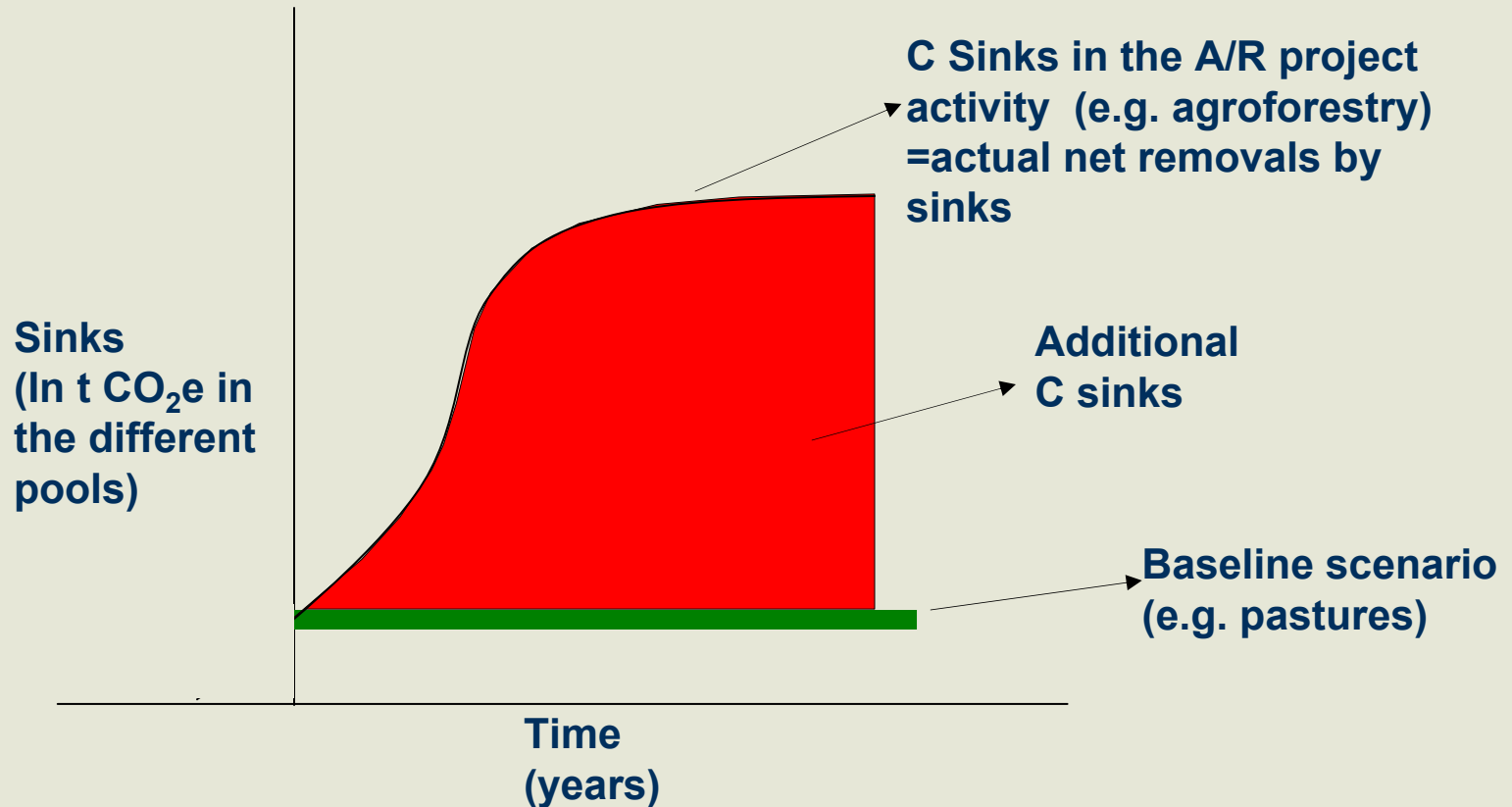
- **Baseline** is the sum of the changes in carbon stocks in the carbon pools within the project boundary that would have occurred in the absence of the A/R project activity



Key concept: Leakage

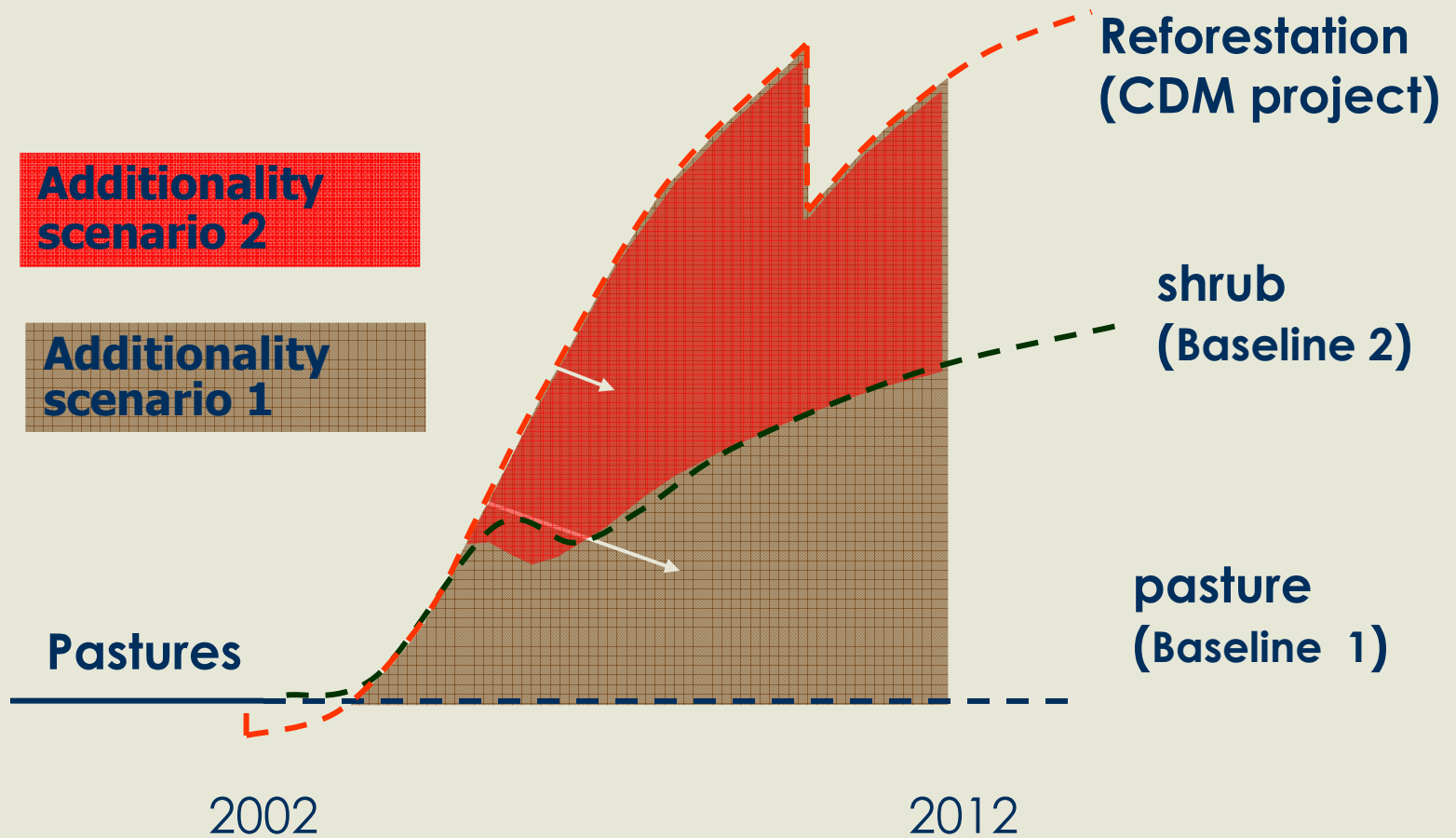
- **Leakage** is the increase in greenhouse gas emissions by sources which occurs outside the boundary of an afforestation or reforestation project activity under the CDM which is measurable and attributable to the afforestation or reforestation project activity;

Key concepts within the project



Net anthropogenic removals by sinks = actual net removals by sinks – baseline – leakage

Example of additionality



How to prove the additionality?

Additionality tool: Rationality

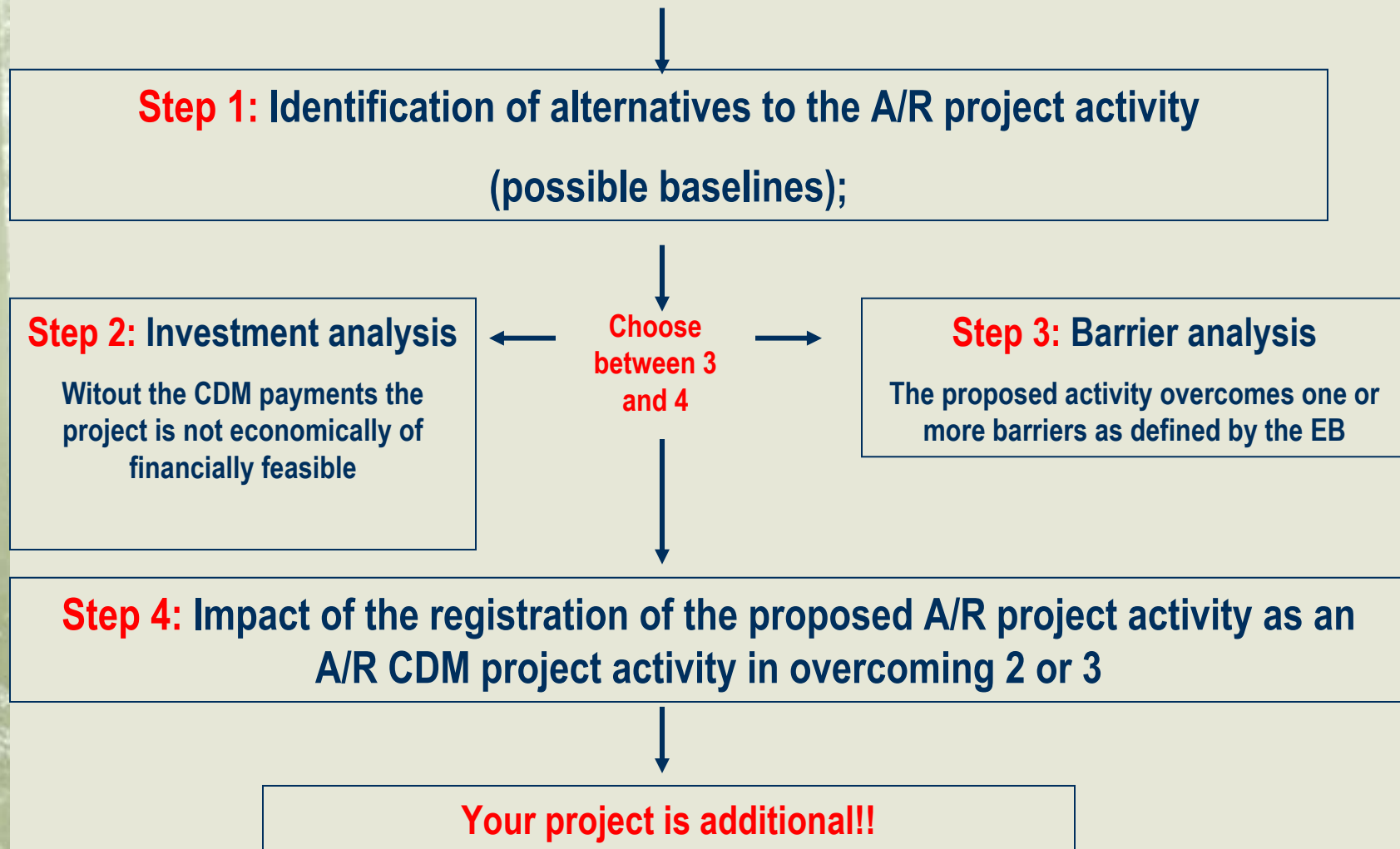
Project proponents need to prove that

- **Without the CDM the proposed project activity is not the most economically or financially attractive;**

OR

- **The project overcome one of the barriers as defined by the Executive Board**

Additionality tool



Analysis of barriers

- **Investment barriers;**
- **Institutional barriers;**
- **Technological barriers;**
- **Barriers related to local tradition;**
- **Barriers due to prevailing practice;**
- **Barriers due to local ecological conditions;**
- **Barriers due to social conditions;**
- **Barriers relating to land tenure, ownership, inheritance, and property rights,.**

Barriers Analysis

(FCCC/KP/CMP/2005/4/Add. 1 – Annex II, Appendix B)

- Connected with investment : lack of access to credit, low capacity of debts
- Institutional: national policies change, absence of law enforcement
- Techniques: lack of access to material for plantation, lack of infrastructure for the implementation of a technology
- Connected with local traditions: Practices or technologies
- First time: innovative characteristic of the project
- Ecological: soil degradation, ecosystem degradation, etc.
- Social: including lack of capacities to develop projects, social conflicts, demographic pressures, lack of organisation within implicated communities

Additionality Proofs

0. Show land eligibility (the tool exists)
1. Legal Framework
 - Beyond what is stipulated (e.g. in the national reforestation plan)
 - Beyond what law allowed to reach
2. Financial Analysis
 - It is not a profitable deal (except PPE)
 - It is not an attractive investment
3. Barriers analysis (« Why are we poor? »)
4. Impact of the project registration

How to quantify and monitor the additionality?

Project proponents must use approved methodologies for baseline and monitoring



Seven methodologies for „full-scale“ projects



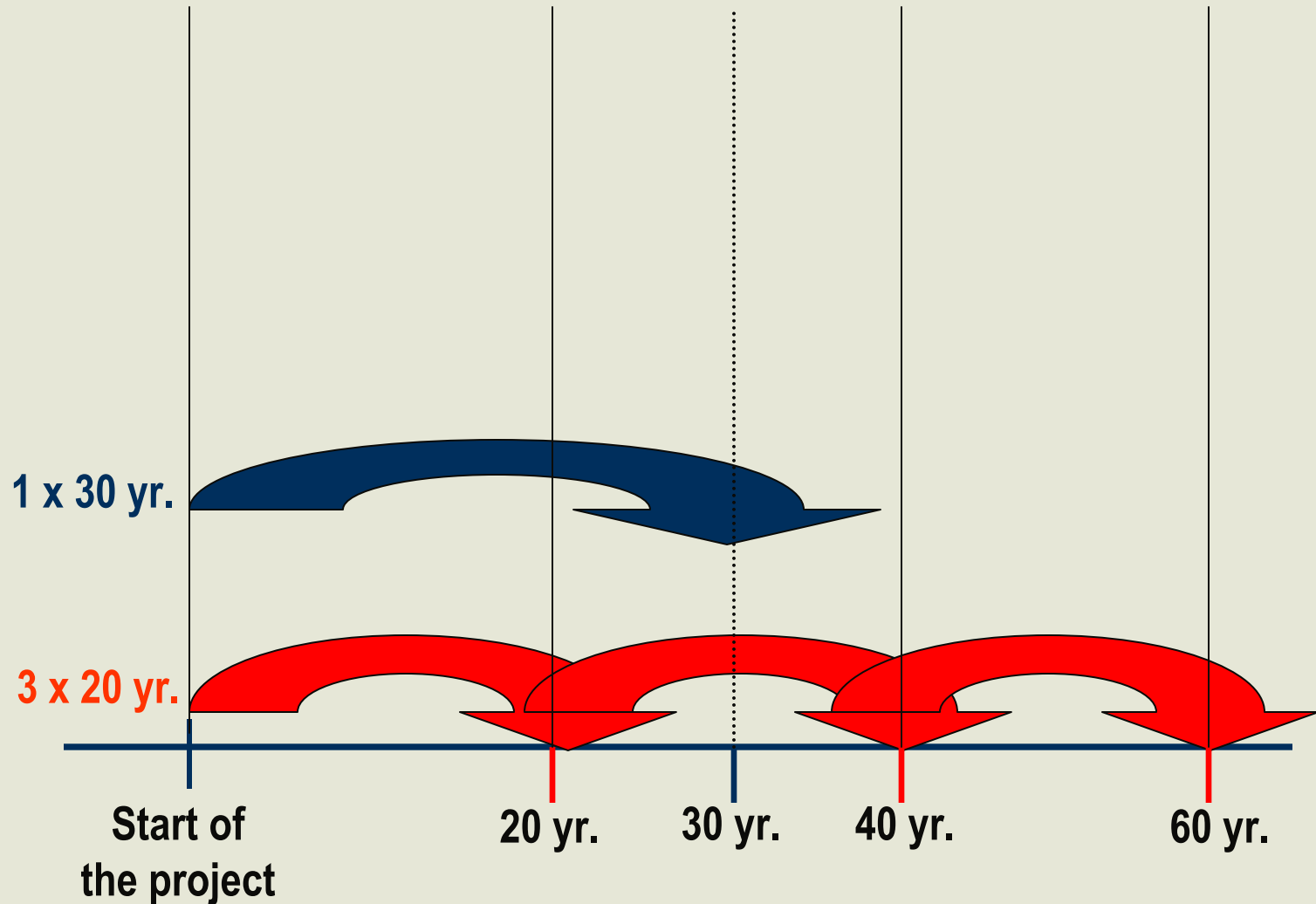
One simplified methodology for small scale projects



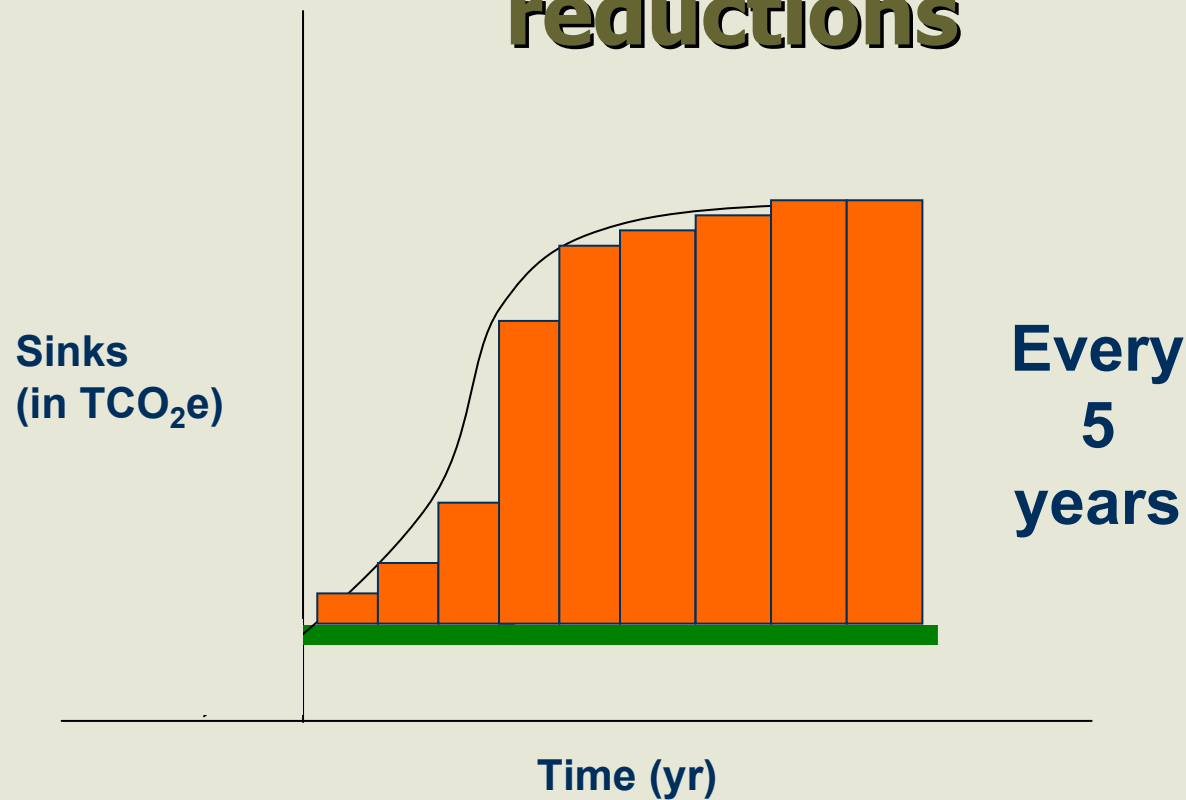
For how long?

**- CREDITING PERIOD AND
PERMANENCE -**

Crediting period for project length: 2 options

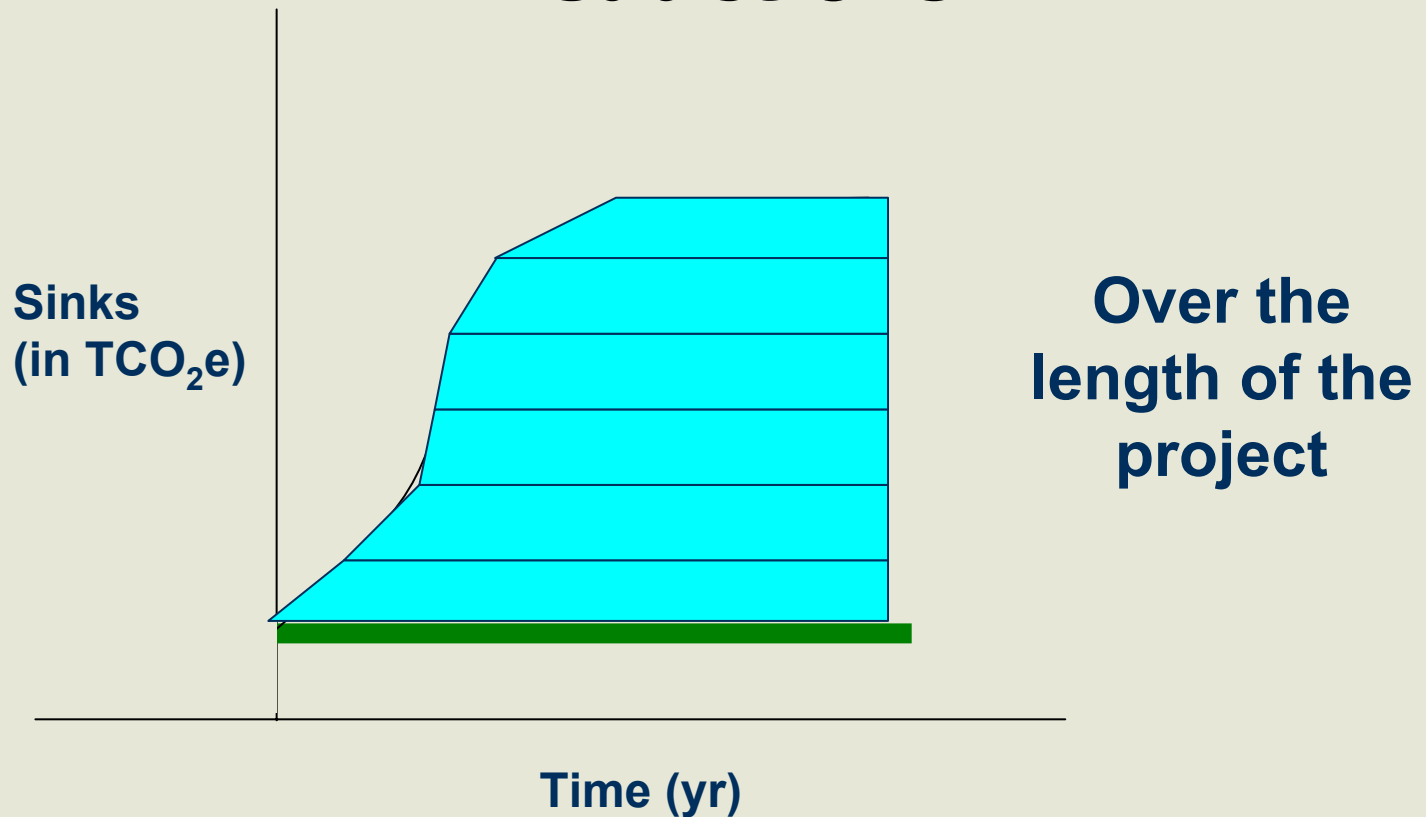


tCERs: temporary certified emission reductions



**Net anthropogenic removals by sinks =
actual net removals by sinks - baseline - leakage**

ICERs: long-term certified emission reductions



**Net anthropogenic removals by sinks =
actual net removals by sinks - baseline - leakage**

A landscape photograph of a mountain range. The mountains are dark and silhouetted against a bright, cloudy sky. A large, dark tree is visible on the right side of the frame. A small, bright moon is visible in the upper left corner of the sky. The overall scene is dramatic and atmospheric.

We remember:

**Additionality as a concept
Baseline,
Leakages,
Barriers Analysis,
Permanence**