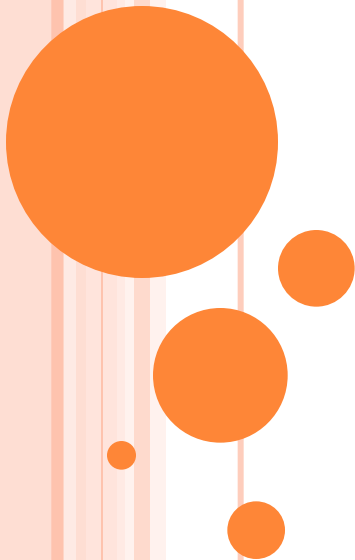


# IDENTIFICATION OF SCENARIO ZONES AND OPTIONS FOR PROTECTION GOALS

**Summary of 3 groups**

**November 17,2011**



## QUESTION NUMBER 1.

Could you design and outline the procedure to obtain political support.

GP 1 = none

GP 2 = . Elaborate strong justification based on available data

. Involve the Pesticide Advisory Board



## GP 3

Need to do a lot of work!

(i) Number of scenario zones?

Not decided

(ii) The protection goals to be used in the  
Ethiopian pesticide registration procedure?

(iii) Their coupling to relevant scenario zones?

(iv) Their priority setting?



- Development of clear scientific and technical document.
- The document should be evaluated by APHRD according to the Proclamation and other national laws (EPA, Investment...)
- The document should be presented for discussion (workshop) – enriched, to the Minister



## QUESTION NUMBER 2

Should the registration of pesticides in Ethiopia be based upon one scenario zone, or should more scenario zones be considered? If yes , how many and how should they be defined? What are the criteria to define Zones?



## 2.1 One or more than scenario?

GP 1 = More than one

GP 2 = More than one

GP 3 = Not decided (should have more data)

## 2.2. How many

GP 1 = Two

GP 2 = More than one may be three

GP 3 = Not decided (should have more data)



## Why more than one scenario zones (GP 1 and 2)

- there is ecological diversity in the country,
- pesticides are used on limited areas,
- pesticides are moved long distance by man
- pastoralists are unique,
- there are regulated pests,
- Efficacy trial required from different locations for pesticide registration
- etc



- Decision on number of scenario zones
  - MORE THAN ONE

To be done

- Number of scenario zones?
- How should they be defined?
- What are the criteria to define Zones?





## QUESTION NUMBER 3.

Which environmental protection goals you judge important to consider in the Ethiopia's registration procedure? Consider environmental compartments as well as organisms.



# ALL 3 GROUPS IDENTIFIED THE FOLLOWING PROTECTION GOALS

## Aquatic ecosystems

- Fish
- Daphnia
- Algae
- Aquatic plants
- Sediment organisms'

Where? These organisms are intended to be protected in the lakes

## Drinking water for cattle

- Livestock

Where? To be protected in ponds which are mostly seasonal (dries out during dry time)



## Drinking water for Human and Animal

- Human and Animal health

Where? To be protected in smaller streams (widths 1-2m on average) for country side

## Surfaces water

Where? wherever there is surface water

## Rivers

Where?

Underground water (how deep differs from place to place and ranges from 10m to 60m).

Where? All over the country



## Organisms

- Bees (including honey bees)
- Non-target terrestrial arthropods (natural enemies)
- Birds (endemic and migratory)
- Other terrestrial vertebrates



## Plants

Non target terrestrial plants

Where? Wherever pesticide is applied

## Soil

- Persistence

## Soil Organisms

- Soil micro-organisms
- Earthworms
- Saprophygeous invertebrates fund in the soil

Where??



THANK YOU

