

MITIGATION: Experiences in Uruguay

MITIGATION



- ✓ Evitar
- ✓ Minimizar
- ✓ Rehabilitar
- ✓ Restaurar
- ✓ Reemplazar

Mitigation

Purpose of the mitigation:

- To develop actions aiming to minimize the impacts in the environment caused by human activity.
- To produce or generate a positive effect that remediates the negative impacts suffered by the environment

Different strategies for mitigation

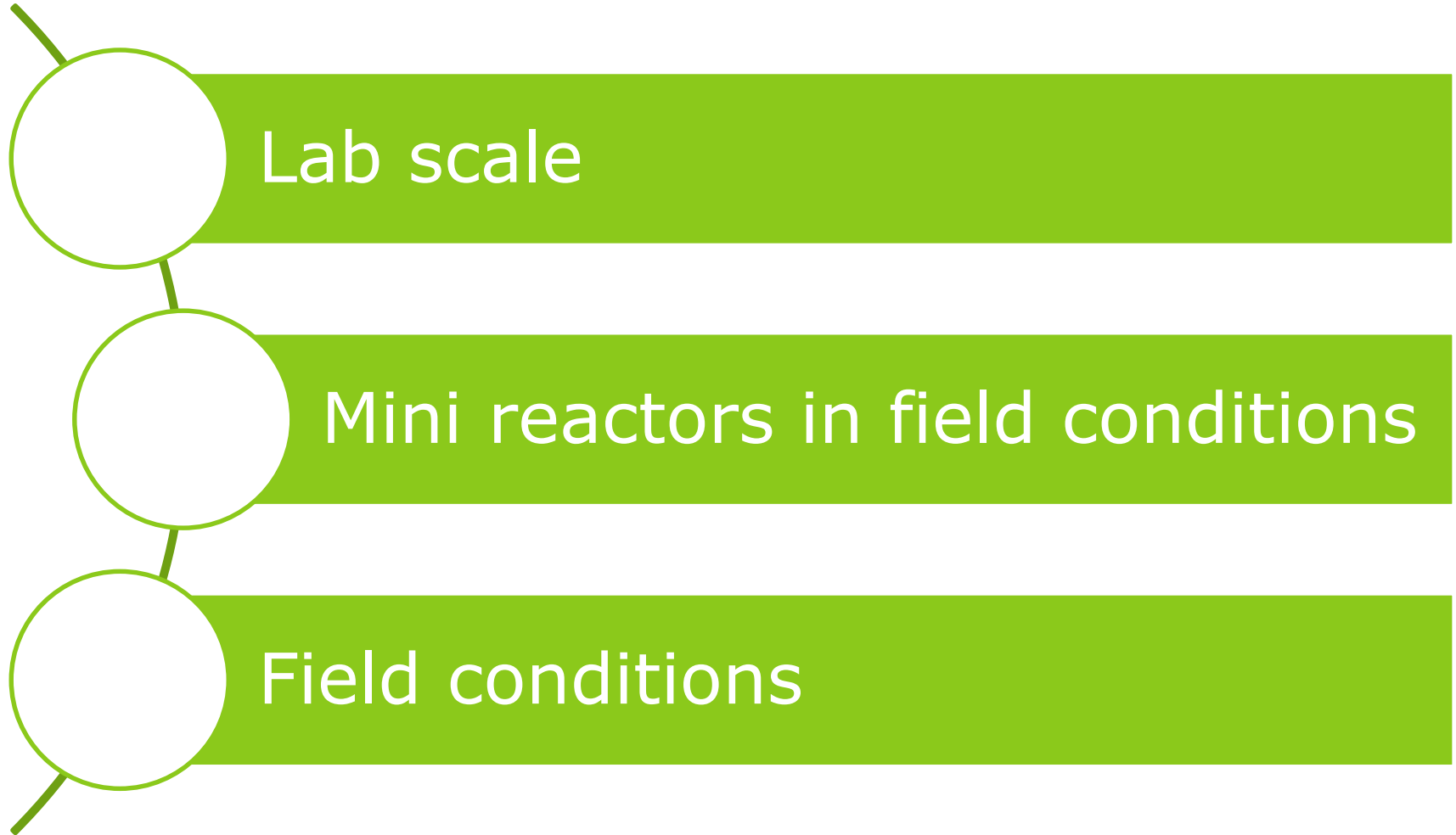
- ❖ **Removal**
- ❖ **Incineration**
- ❖ **Confination**
- ❖ **Chemical Degradation**
- ❖ **Bioremediation**

How to decide the best mitigation tool

- ❖ Which are the different possibilities the producers have for mitigation?
- ❖ How big is their production?
- ❖ How many effluents they produce per each application?
- ❖ Where is placed the production?
- ❖ Is the chemical degradation facility easy to install?
- ❖ Is the biodegradation easy to perform?



Workflow



The bioremediation experience

Lab scale



Matrix composition



Soil, Peat and a lignocellulosic material

Definition of the scope to be mitigated



How to proceed to install a Biobed



- ❖ Which is the better place to install a biobed?
- ❖ At the site where the mixture is prepared?
- ❖ How far away from a water course?
- ❖ Are the evaluated pesticides being successfully degraded?
- ❖ How long is the biobed adequately active?



Differents designs



Biotar

Biogoms











RED DE BUENAS PRACTICAS AGROPECUARIAS



How to contribute to the GAP

Using technologies already developed,
applying analytical tools to ensure the
mitigation dispositive in each situation, trying
to teach how to implement the bioreactors,
having direct contact with producers



*Muchas
Gracias!*