

Waters of

LIFE

Waters of LIFE Programme: Introduction to Supporting Actions

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Rialtais Áitiúil agus Oidhreacht
Department of Housing,
Local Government and Heritage

Supporting Actions/NPIs exist to Protect or Improve Water Quality

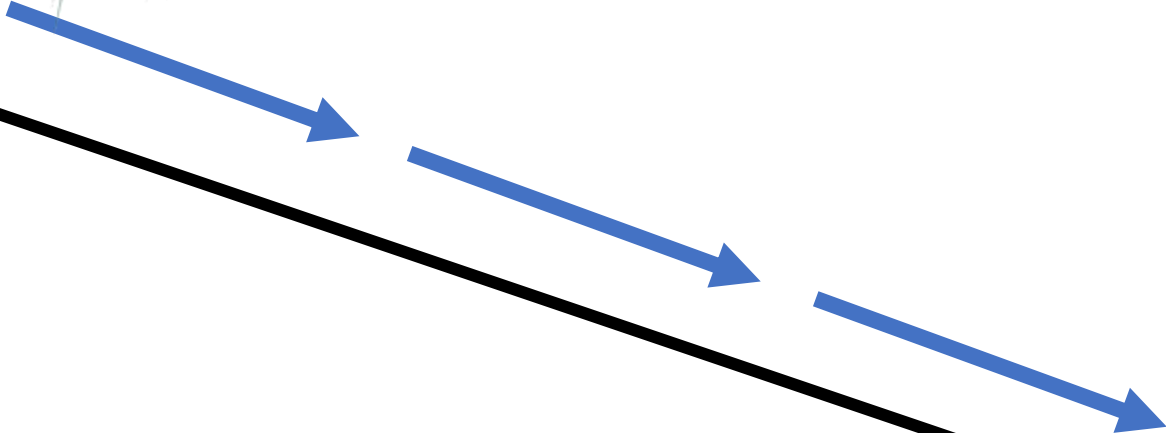
Water

+

Pathway

=

OK



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Pollutant

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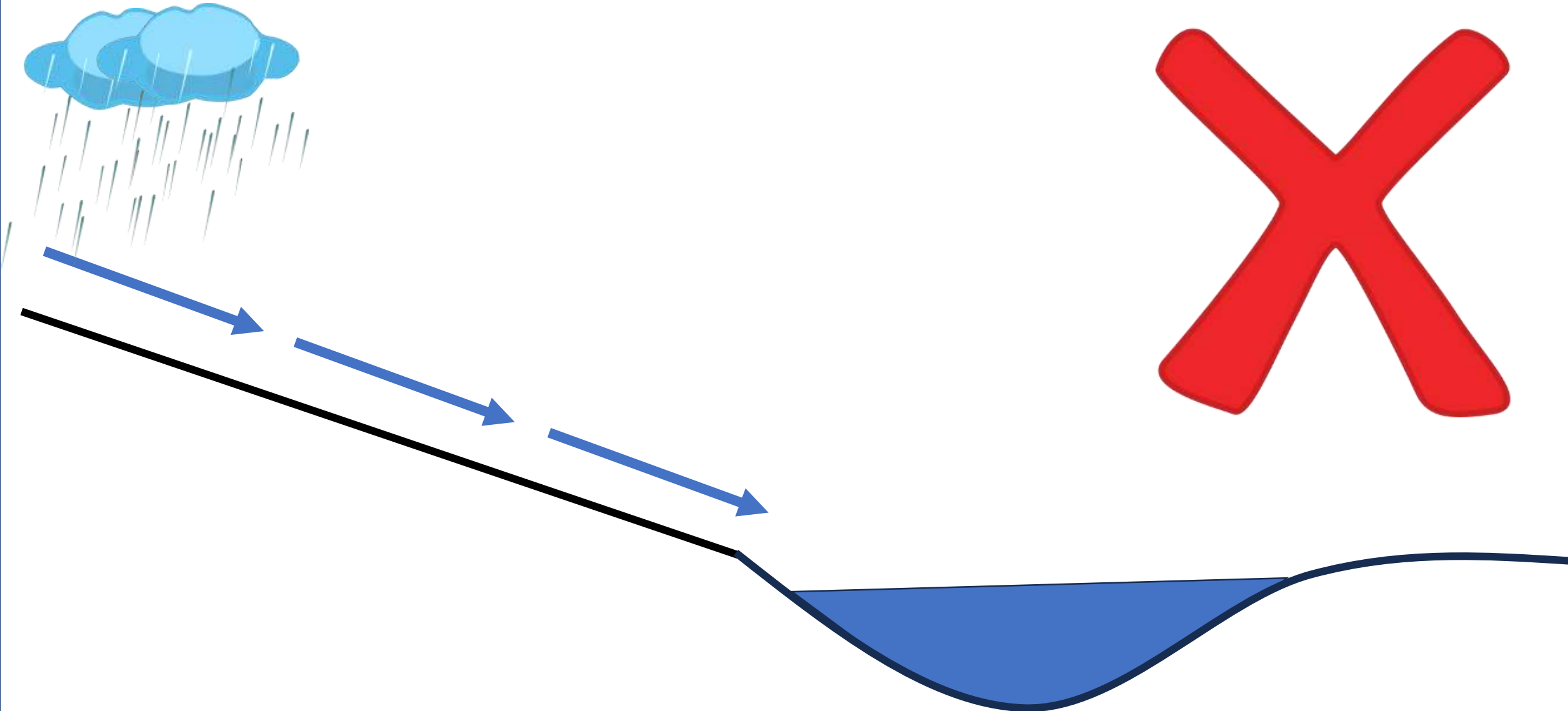
Water

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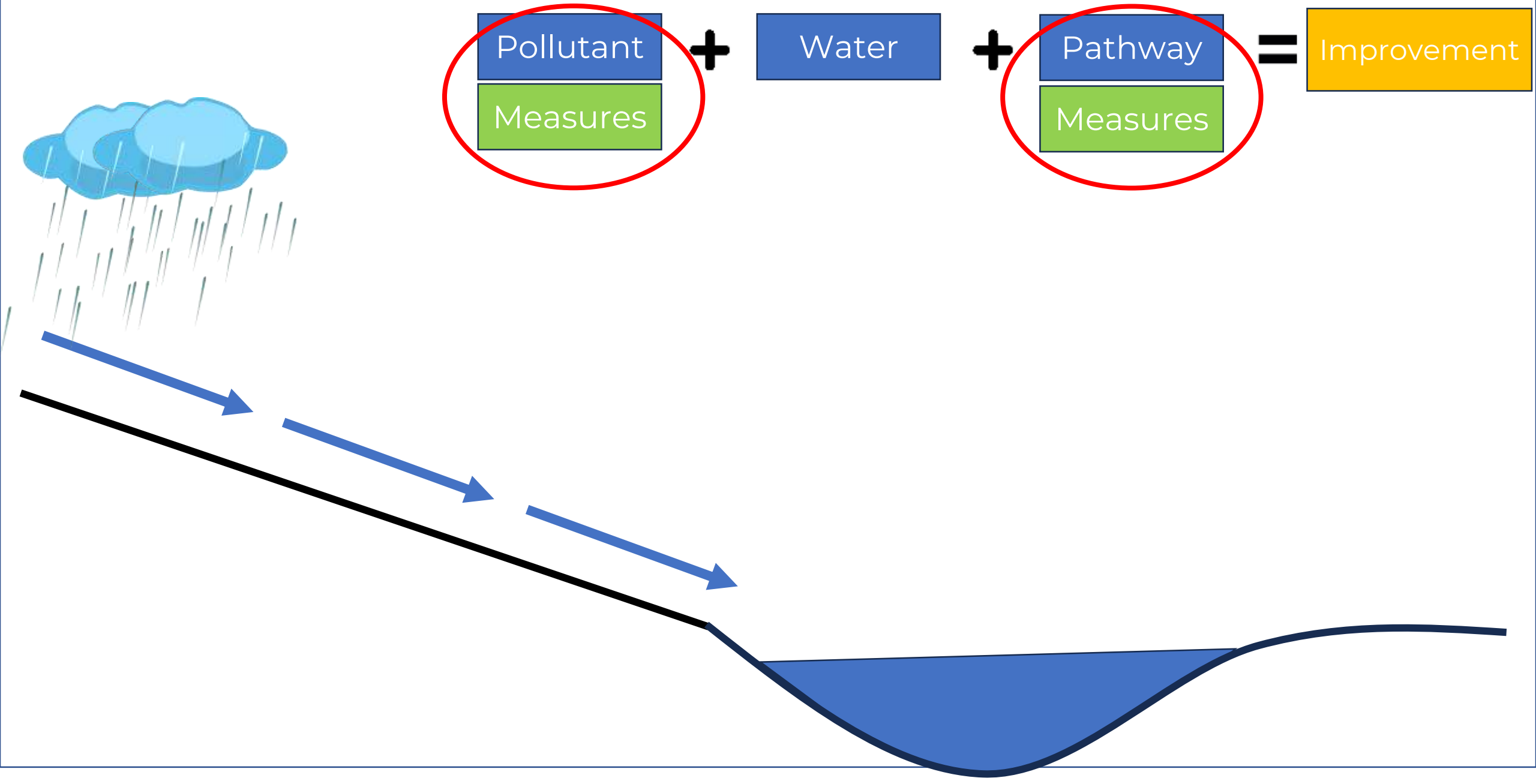
Pathway

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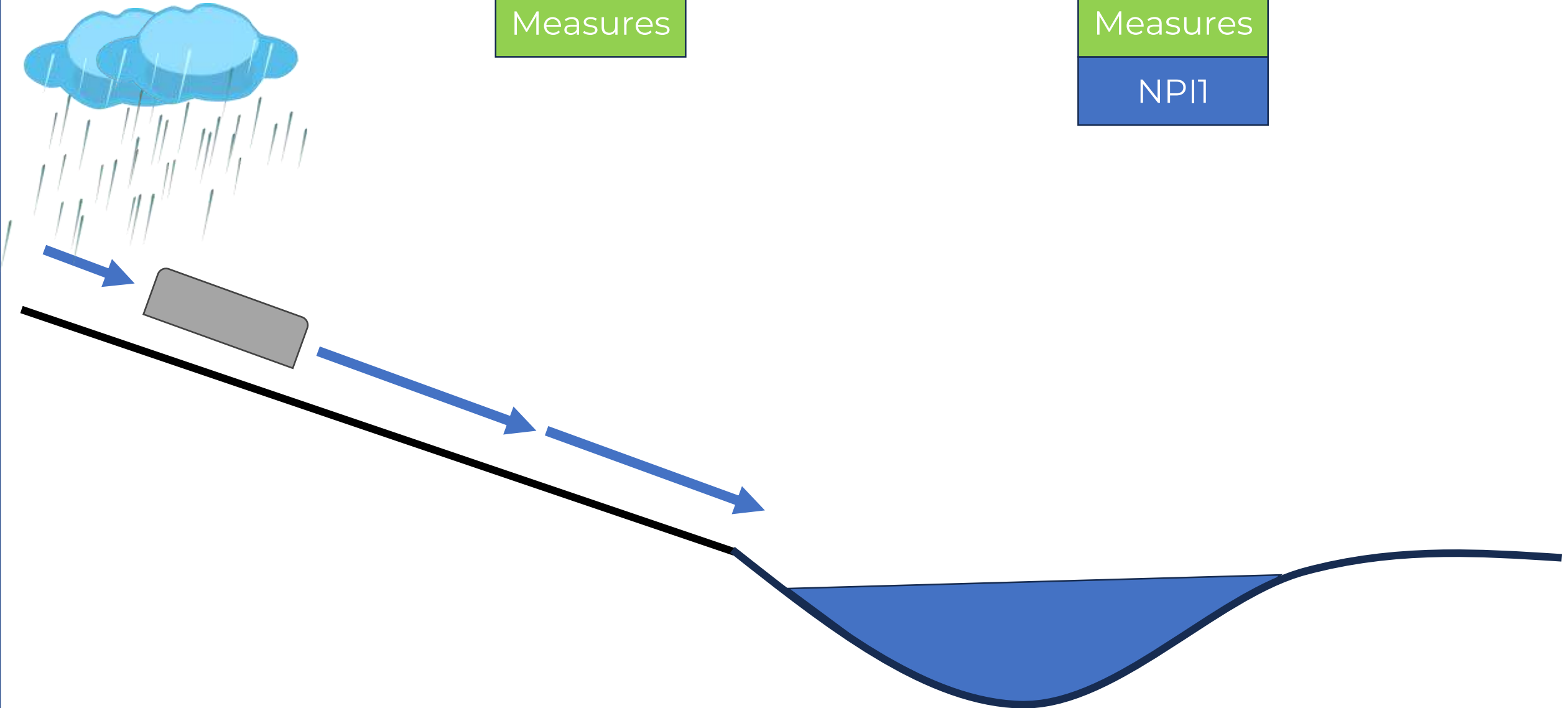
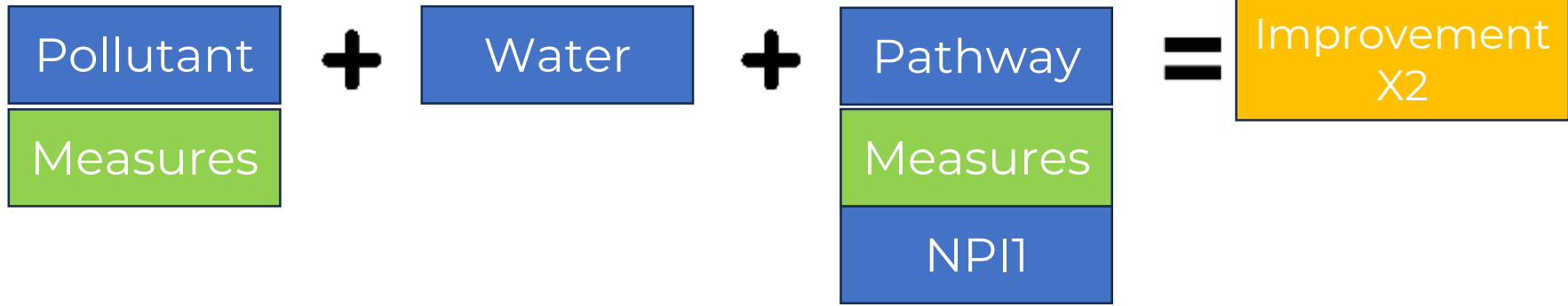
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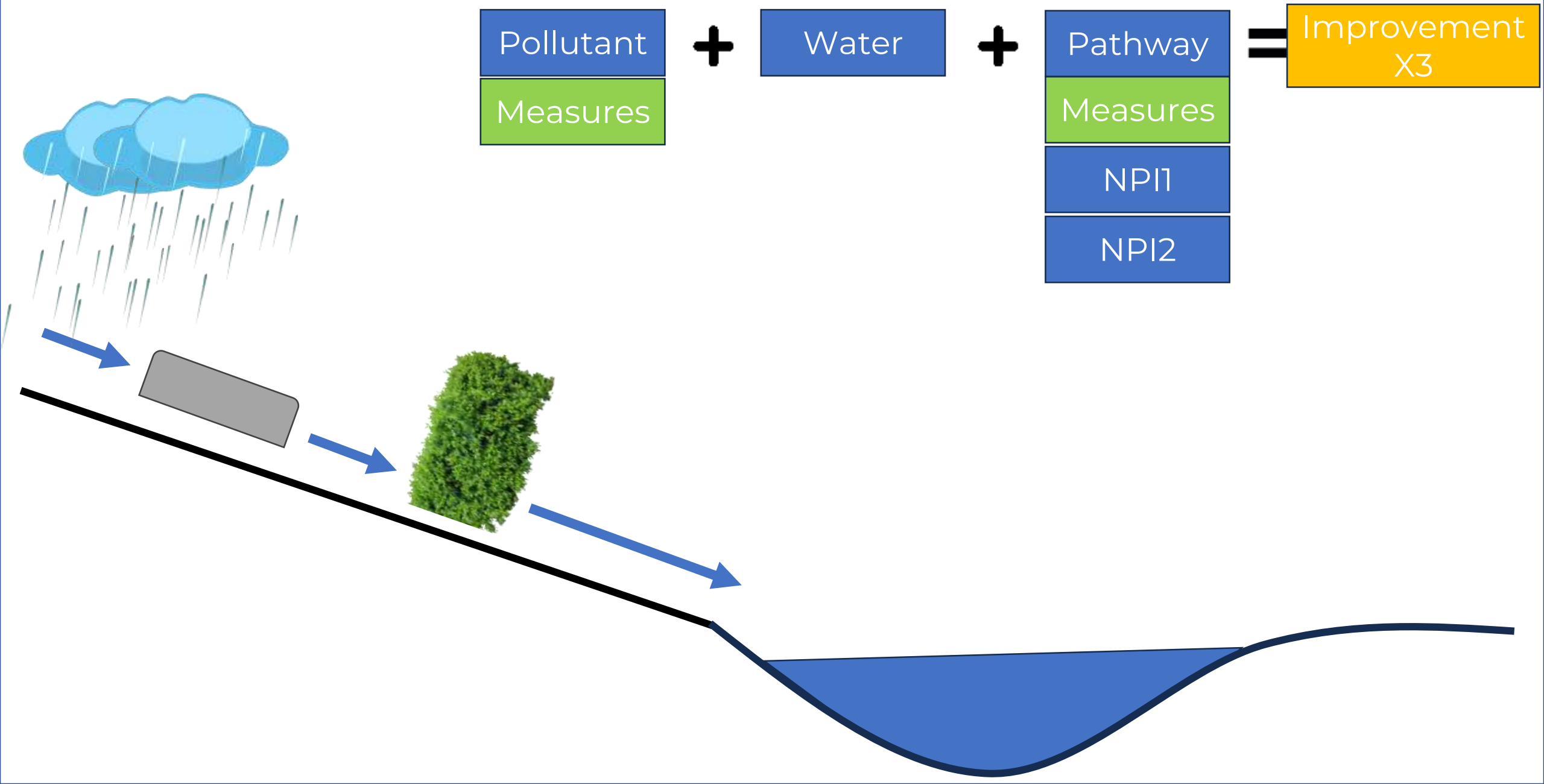
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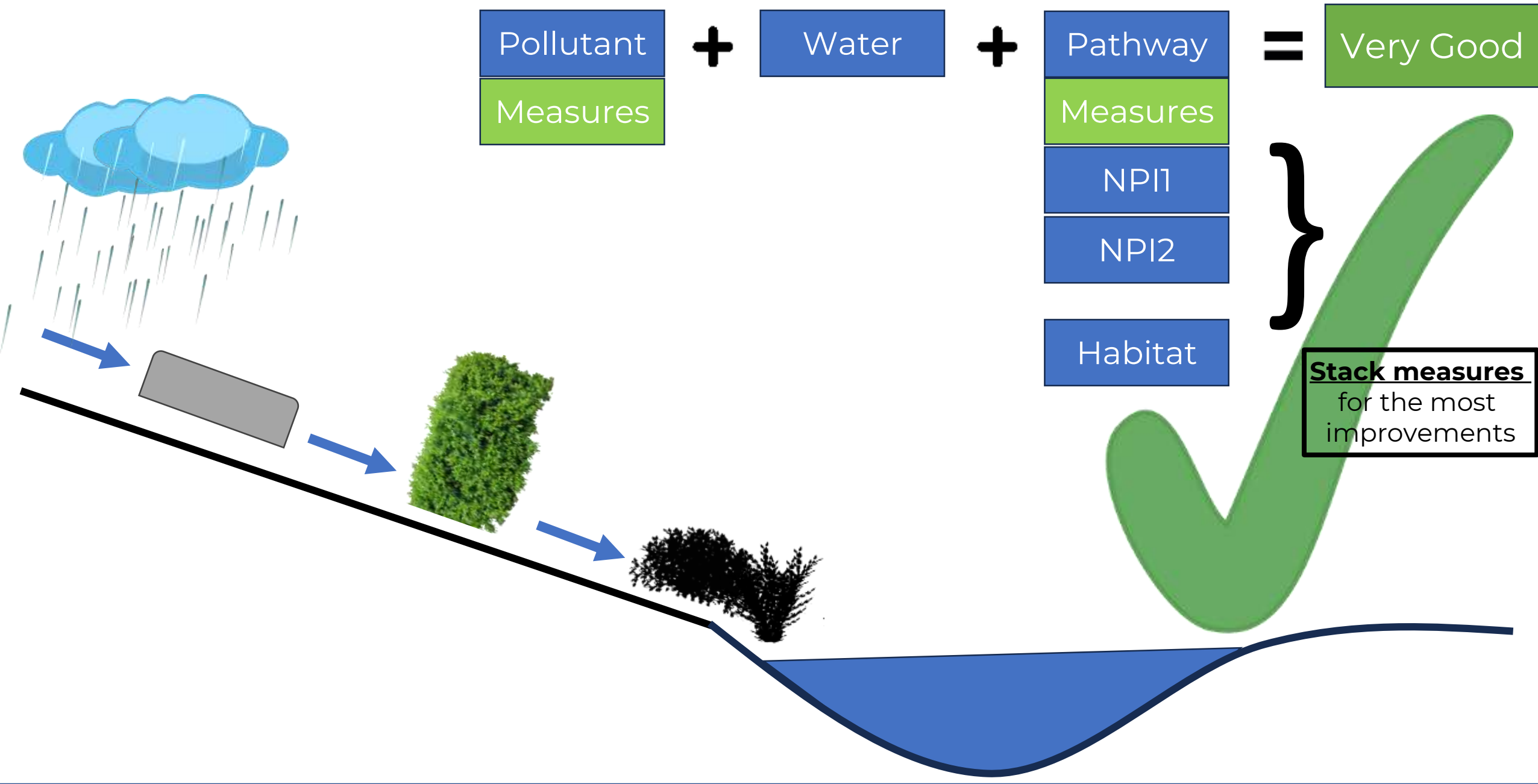
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Supporting Actions

Pathway Interception Actions

- Water Bars
- Vegetated bunded drain
- Earth bund
- Sediment trap
- Hedgerow establishment (Cross Slope on Earth bund)
- Grassland buffer (Cross-slope)
- Spatially-targeted riparian buffer zone



Supporting Actions

Pathway Interception Actions

- Tree planting (General)
- Willow bed
- Small-scale Wetland Pond
- Decommissioning historic sub-surface drainage

Water Crossing

- River / Stream crossing / bridge
- Drain crossing / culvert



Supporting Actions

Water Provision

- Solar Pumps
- Water storage Tank (supplementary-type water)
- Pasture Pumps / hydraulic ram pump
- Water troughs
- Alternative water supply – piping and fittings



Supporting Actions

Farm Infrastructure

- Sheep fence
- Barbed wire fence
- Permanent electric fence
- Deer fence
- Solar Powered Electric Fencer
- Gateway Measures

Bespoke Measures – Contractor Mobilisation

- Bespoke Measure
- Contractor Mobilisation

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Pathway Interception Actions

- Grassland buffer (cross slope)

- Fenced
- 3m width
- Unfertilised
- NOT farm tracks
- €5.45/m



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Pathway Interception Actions

- Vegetated banded drain
- Slow the flow
- Allows sediment settle
- NOT to be used as livestock crossing
- €1000/ vegetated banded drain
- Min 20m – max 50m



Water Crossing Actions

- River/Stream crossing/bridge
- Waters of LIFE team led design
- 50% of cost of bridge installation up to a max of €5000



Water Provision Actions

- Solar Pump

- Permanently fenced surround
- Ensure adequate supply in well
- €2,500/unit;
- Max 2 units



Water Provision Actions

• Water troughs

- Placed 20m from surface waters
- Solid, level surface
- Multiple troughs in field to allow rotational grazing
- Up to €300/unit
- Piping & fittings paid extra to trough



Farm Infrastructure Actions

- Sheep fence
 - Barb wire
 - Permanent electric
-
- If replacing old fence, new fence has to move at least 2m more into field
 - Fence must be fit for purpose



Farm Infrastructure Actions

- Gateway measures

- Re-route existing gates on the farm away from watercourses
- Close off old entrance with similar material to what exists in the area
- €360/unit



Bespoke Measures

- Individual or group of farmers may have innovative idea to improve water quality



Contractor Mobilisation



- Cover cost of machinery transport for specific supporting actions
 - One-off payment (€200)
 - (list all measures that need an excavator)
- 1. Hedgerow Establishment cross slope on low earthen mound
 - 2. Small Scale Wetland Pond
 - 3. Earthen Bund
 - 4. Water Bars
 - 5. Sediment Traps
 - 6. Watercourse Crossing/Bridges
 - 7. Gateway Relocation
 - 8. Willow Filter Beds
 - 9. Vegetated Bunded Drain
 - 10. Decommissioning Historic subsurface drainage



Supporting Actions Application

How to apply

- Farm advisor applies
- Phone app
- Hard drive dashboard
- Online webinar planned to go through setup and usage
- Available to both farm advisor & farmer



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Screening Supporting Actions

What is screening and how will it work

- Screening is the process of determining the appropriateness of farm actions by considering environmental sensitivities

Rules Matrix (step 2)

1 = pass screening (no issue of concern)
0 = fail screening (issue of concern)

Screening Action	Screening	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	
Archaeology																								
Access to Infrastructure																								
Watercourse & Topography																								
Ecology																								
Positive indicators																								
Negative indicators																								
Excluded habitats																								
Multiple Tests																								
Miscellaneous																								

Archaeology

Access to Infrastructure

Watercourse & Topography

Ecology

Positive indicators

Negative Indicators

Excluded habitats

Multiple Tests

Miscellaneous

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Key Takeaways

