



## Regional crops research institute

COST 70 rml

### Description

Interdisciplinary research facility that specializes in developing climate proof crop varieties and climate smart agricultural practices.

### Prerequisites

Two countries with a UNIVERSITY.

No country below the floor for KNOWLEDGE CREATION and KNOWLEDGE APPLICATION.

### Resource impact

- Positive impact on KNOWLEDGE CREATION and APPLICATION
- Positive impact on COLLECTIVE WELL-BEING
- Positive impact on AGRICULTURAL PRODUCTION (crop +++, grapes++, animal +)
- Positive impact on WATER
- Positive impact on BIODIVERSITY

### Mitigating/multiplying effect

Advantage during pest event.

### Baseline adjustment

20% increase of CROP PRODUCTION for all countries participating in the Regional crops research institute.

ADAPTIVE CAPACITY 



## Regional renewable energy research center

**COST** 110 rml

### Description

Center of innovation for the development, testing and deployment of established and new renewable energy with a focus on potentials in mountain regions. Supports research, training and education, and extension services.

### Prerequisites

Three countries with a UNIVERSITY.

No country below the floor for KNOWLEDGE CREATION and KNOWLEDGE APPLICATION.

Two countries with a RESERVOIR or a SOLAR FARM.

### Resource impact

→ Positive impact on KNOWLEDGE CREATION and APPLICATION

→ Positive impact on INDIVIDUAL and COLLECTIVE WELL-BEING

### Mitigating/multiplying effect

Creates synergies with other renewable energy initiatives or events.

### Baseline adjustment

Each participating country receives an extra 10 ramlats.

Each participating country can adjust its energy profile by transferring 20 percentage points from fossil to renewable sources.

**ADAPTIVE CAPACITY** ↗



## Regional early warning system

COST 80 rml

### Description

Advanced system for hazard detection, monitoring and forecasting; risk analysis and incorporation of risk information in emergency planning and warnings; dissemination of timely and authoritative warnings; and community planning and preparedness.

### Prerequisites

Two countries with a NATIONAL FIBER NETWORK

Two countries with a UNIVERSITY

No country below the floor for KNOWLEDGE CREATION and KNOWLEDGE APPLICATION

Minimum of 50 for regional COLLECTIVE WELL-BEING

### Resource impact

→ Positive impact on KNOWLEDGE CREATION and APPLICATION

→ Positive impact on INDIVIDUAL and COLLECTIVE WELL-BEING

→ Positive impact on ANIMAL PRODUCTION

→ Positive impact on WATER

### Mitigating/multiplying effect

Significant potential to reduce impact of weather-related disasters that become more frequent with climate change.

### Baseline adjustment

Severe weather impact insurance premiums decline as a result of improved forecasting capabilities.

Each participating country receives an extra 10 ramlats.

ADAPTIVE CAPACITY ↗↗



## Regional railway system

**COST** 90 rml

### Description

Powered by the region's renewable energy sources, new railway lines now connect all countries of the region, reducing pollution from road traffic, facilitating collaboration and exchange, and promoting trade.

### Prerequisites

Three countries with a RESERVOIR or a SOLAR FARM.  
Minimum of 60 for regional KNOWLEDGE APPLICATION.  
Minimum of 60 for regional COLLECTIVE WELL-BEING.

### Resource impact

- Positive impact on INDIVIDUAL and COLLECTIVE WELL-BEING
- Positive impact on GRAPES PRODUCTION
- Negative impact on BIODIVERSITY during construction

### Mitigating/multiplying effect

Can be an advantage for organizing regional events or transporting newly accessible resources.

### Baseline adjustment

Each participating country receives an extra 5 ramlats for each of the following regional assets in which it participates: REGIONAL CROPS RESEARCH INSTITUTE, REGIONAL RENEWABLE ENERGY RESEARCH CENTER and REGIONAL PROTECTED AREA NETWORK.

**ADAPTIVE CAPACITY** ↗



## Regional protected area network

**COST** 60 rml

### Description

Connecting existing parks and reserves promotes ecological connectivity that supports biodiversity by allowing wildlife to move freely to access food, water, shelter, and breeding habitat.

### Prerequisites

Three countries with a NATIONAL PARK  
No more than 50 for regional ANIMAL PRODUCTION

### Resource impact

- Positive impact on KNOWLEDGE CREATION
- Positive impact on INDIVIDUAL WELL-BEING
- Positive impact on WATER
- Big positive impact on BIODIVERSITY
- Negative impact on COLLECTIVE WELL-BEING  
(because of resource use constraints)
- Negative impact on AGRICULTURAL PRODUCTION  
(CROPS and ANIMAL)

### Mitigating/multiplying effect

Creates synergies with other nature conservation initiatives and helps reduce negative consequences of certain natural disasters.

### Baseline adjustment

Each participating country that has a NATIONAL PARK receives an extra 5 ramlats.

**ADAPTIVE CAPACITY** ↗