COMMUNITY PAYBACK FOR PREVENTING FLOODS

OBJECTIVE

Prevent local floods (preventive measures).

DESCRIPTION

Sometimes obstructed sewers may cause local floods (due to leaves or other debris), while cleaning operations are expensive and laborious. Removing leaf litter from drains helps to alleviate part of a flooding problem, generating awareness on simple preventive measures, and producing a valuable resource for composting activities. Indeed, all the collected leaves and debris can be turned into mulch and compost. Citizens can participate in the cleaning operations after good information about recycling management, environmental problems, climate change. At the same time, they can be compensated by local authorities for getting damaged.

EXPECTED RESULTS

Efficient drainage system that can prevent sewers obstruction and local floods.

RESULT INDICATORS

Quantity of waste in sewer system [tons/day]

INVOLVED ACTORS

Government, association of municipalities, university, private sectors, scientists.

EXPECTED TIMELINE FOR ACTION

- Short term (1-4 years)

BEST PRACTICES

- UK
- UK
- Italy

CRITICALITIES

Community involvement.

SCOPE OF THE ACTION

- Adaptation

TYPE OF PROPOSED ACTIONS

- Grey
- Soft

SECTOR OF ACTION

- Public health
- Waste management
- Water resource management

CLIMATE IMPACTS

- Extreme precipitation
- Floods
- Salinization and acidification of water

IMPLEMENTATION SCALE

- Association of municipalities
- Municipality
- Province

SOURCE

https://www.ukcip.org.uk/