

Rainwater runoff and infiltration

NbS contribute to reduce rainwater runoff and increase infiltration.

Type of NbS with significant contribution to this impact

Characteristics

- Targeted designed for this purpose.

Metrics to be monitored

- Rainwater runoff and infiltration in continuous (mm rain) or specific events (runoff coefficient).
- Rain gauge: runoff coefficient calculated for each green roof.
- Sensors.

Tools

- Sensors deployed or embed in the solutions.
- Modelling.

Insights for the long-term monitoring

For a long-term monitoring sensor should be running. These sensors should be located and designed in a very coordinated way to the NbS implementation and design. Low-cost possibilities should be explored.

Key messages of the impact

Well design NbS for this purpose will provide relevant positive impacts. The maintenance of the solutions is key for their optimal performance.

Monitoring Variables

Outcome

- Delay/reduction of rainwater discharge in the drainage system.

Related KPIs

- Rainwater runoff and infiltration.



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