**Supplementary figures**

Figures for moistened soil samples



C

AB

C

D

B

A

AB

A

AB

Fig. S1 Total ejected material on moistened soil samples for different slope angles. Symbols of soils: HL – *Haplic Luvisol*, HLL – *Haplic Luvisol Loamic*, PR – *Protic Regosol*. The bars represent standard error, and the letters refer to the statistical comparison (the same letters – no statistically significant differences).



A

A

A

A

A

A

C

B

B

Fig. S2 Mass of ejected solid phase (soil) on moistened soil samples for different slope angles. Symbols of soils: HL – *Haplic Luvisol*, HLL – *Haplic Luvisol Loamic*, PR – *Protic Regosol*. The bars represent standard error and letters refer to the statistical comparison (the same letters – no statistically significant differences).



A

A

AB

AB

BC

BC

CD

DE

E

Fig. S3 Mass of ejected liquid phase (water) on moistened soil samples for different slope angles. Symbols of soils: HL – *Haplic Luvisol*, HLL – *Haplic Luvisol Loamic*, PR – *Protic Regosol*. The bars represent standard error and letters refer to the statistical comparison (the same letters – no statistically significant differences).



A

AB

AB

C

ABC

A

A

D

D

D

AB

AB

A

AB

A

AB

BC

C

**a)**

**b)**

Fig. S4 Mass of total ejected material in upslope (a) and downslope (b) directions on moistened soil samples with different slope angles. Symbols of soils: HL – *Haplic Luvisol*, HLL – *Haplic Luvisol Loamic*, PR – *Protic Regosol*. The bars represent standard error and letters refer to the statistical comparison (the same letters – no statistically significant differences). The statistical analysis allows the comparison of both graphs.



GHI

HIJ

FGH

ABC

ABCD

A

AB

A

ABC

BCDEF

CEFG

AB

ABD

A

A

AB

AB

A

**a)**



HIJ

DEFGH

ABCDE

A

ABCDE

A

EFGH

ABCDE

ABD

A

AB

AB

ABCD

A

ABCD

IJ

IJ

J

**b)**

Fig. S5 Mass of separate ejected soil (a) and ejected water (b) in upslope and downslope directions on moistened soil samples with different slope angles. Symbols of soils: HL – *Haplic Luvisol*, HLL – *Haplic Luvisol Loamic*, PR – *Protic Regosol*. The bars represent standard error and letters refer to the statistical comparison (the same letters – no statistically significant differences). The statistical analysis allows the comparison of all visible graphs.

Figures for dry soil samples



A

AB

A

AB

A

BC

C

C

AB

Fig. S6 Total ejected material on dry soil samples for different slope angles. Symbols of soils: HL – *Haplic Luvisol*, HLL – *Haplic Luvisol Loamic*, PR – *Protic Regosol*. The bars represent standard error and letters refer to the statistical comparison (the same letters – no statistically significant differences).



AB

AB

AB

A

BC

C

C

AB

AB

Fig. S7 Mass of ejected solid phase (soil) on dry soil samples for different slope angles. Symbols of soils: HL – *Haplic Luvisol*, HLL – *Haplic Luvisol Loamic*, PR – *Protic Regosol*. The bars represent standard error and letters refer to the statistical comparison (the same letters – no statistically significant differences).



A

A

A

ABC

AC

B

B

BC

A

Fig. S8 Mass of ejected liquid phase (water) on dry soil samples for different slope angles. Symbols of soils: HL – *Haplic Luvisol*, HLL – *Haplic Luvisol Loamic*, PR – *Protic Regosol*. The bars represent standard error and letters refer to the statistical comparison (the same letters – no statistically significant differences).



BC

C

C

C

C

C

D

E

DE

A

A

A

A

A

A

AB

A

A

**b)**

**a)**

Fig. S9 Mass of total ejected material in upslope (a) and downslope (b) directions on dry soil samples with different slope angles. Symbols of soils: HL – *Haplic Luvisol*, HLL – *Haplic Luvisol Loamic*, PR – *Protic Regosol*. The bars represent standard error and letters refer to the statistical comparison (the same letters – no statistically significant differences). The statistical analysis allows the comparison of both graphs.



**a)**

L

L

K

J

J

D-I

HIJ

IJ

F-J

AB

AB

AB

AB

ABC

AB

A-F

A-G

A-C



**b)**

AB

AB

AB

AB

AB

AB

AB

AB

A

F-J

E-J

G-J

C-I

B-H

A-F

A-D

A-E

A-D

Fig. S10 Mass of separate ejected soil (a) and ejected water (b) in the upslope and downslope directions on dry soil samples with different slope angles. Symbols of soils: HL – *Haplic Luvisol*, HLL – *Haplic Luvisol Loamic*, PR – *Protic Regosol*. The bars represent standard error and letters refer to the statistical comparison (the same letters – no statistically significant differences). The statistical analysis allows the comparison of all visible graphs.