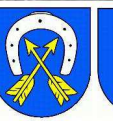
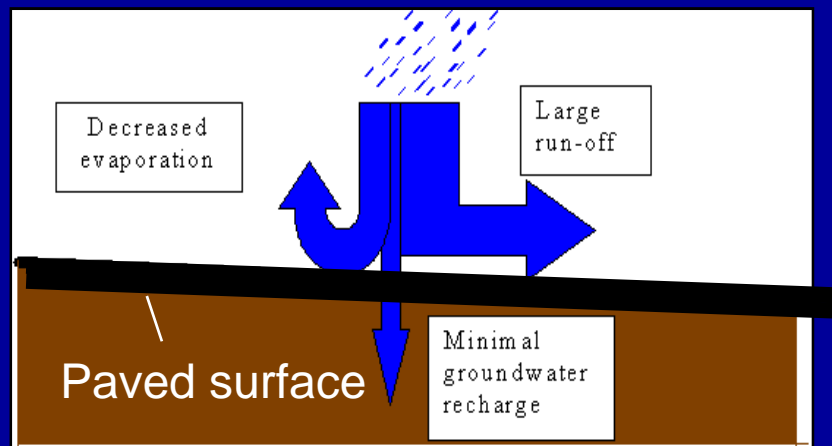
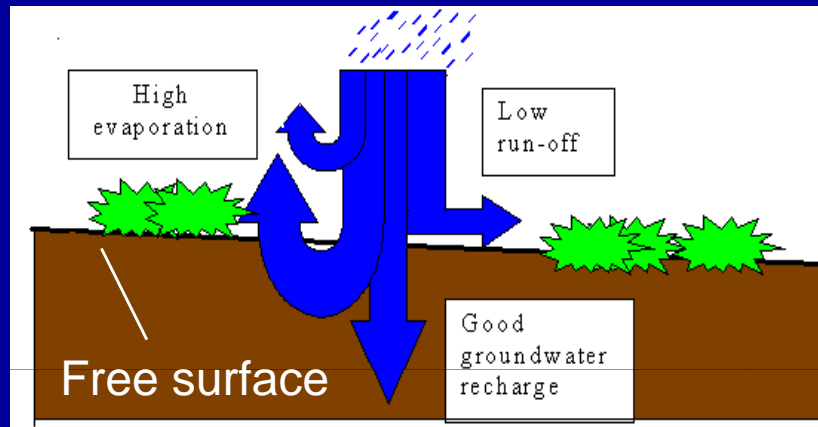


Možnosti obnovy poškodenej krajiny v povodí Ondavky

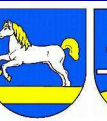
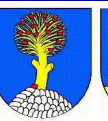
Brestov, 16. mája 2013



Vplyv odlesňovania, poľnohospodárstva a urbanizácie krajiny:

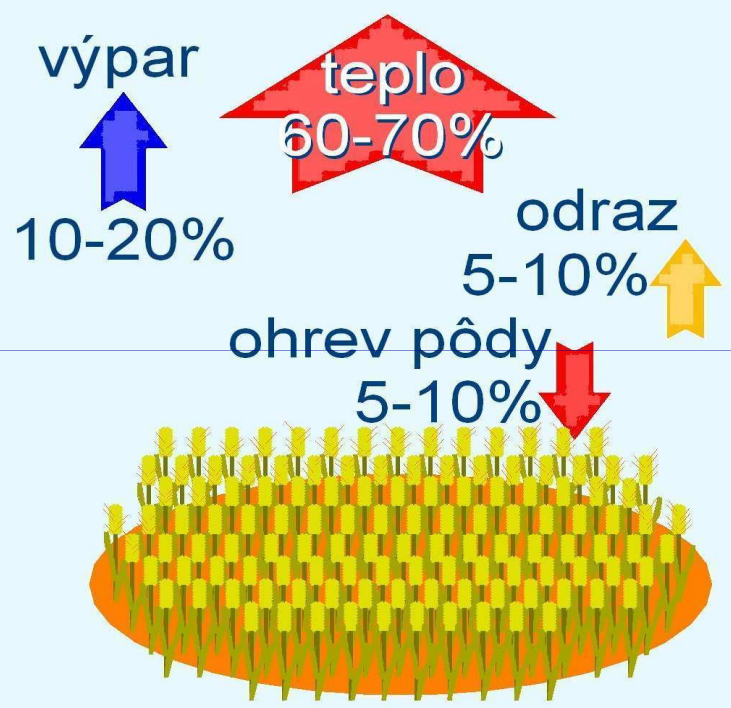


- infiltrácia and výpar sa znižuje a odtok sa zvyšuje
- Okolo 250 mil. m³ dažďovej vody je skanalizovaných z poškodenej lesopol'nohospodárskej a intravilánov obcí Slovenska

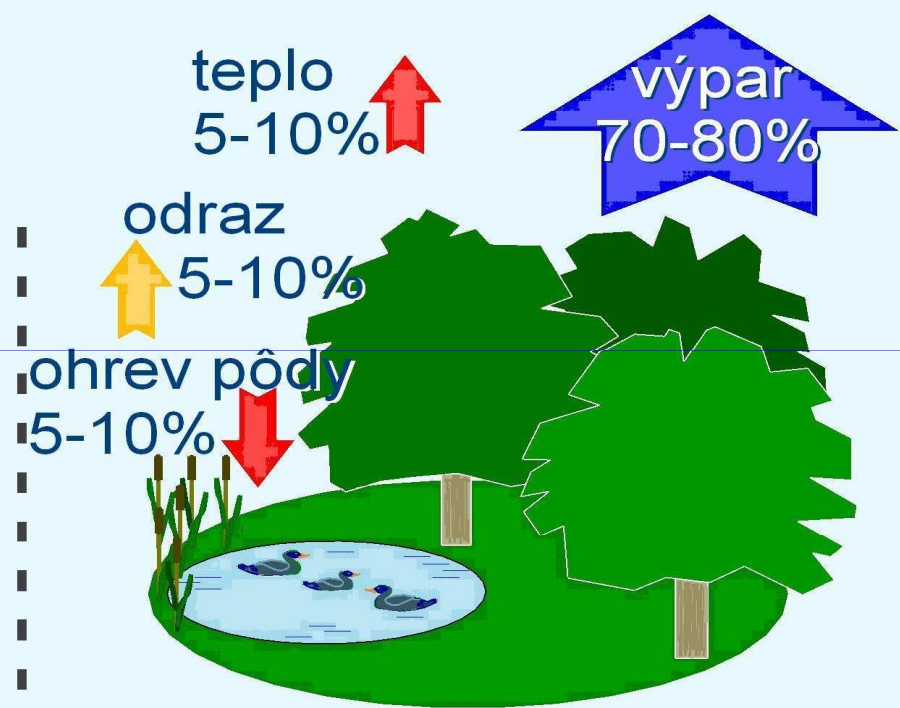


Toky slnečnej energie v krajine

denný príkon slnečnej energie



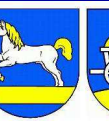
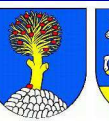
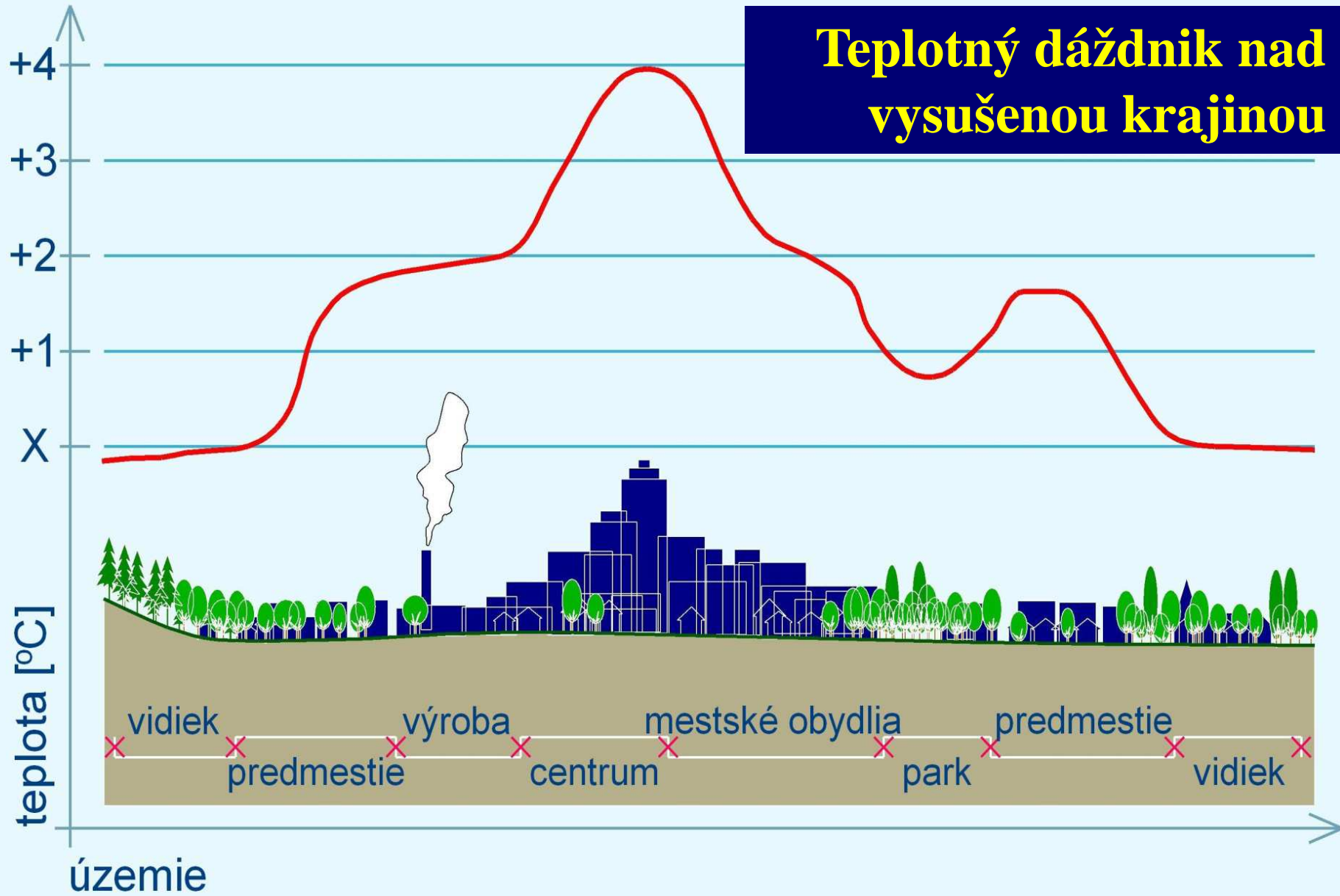
odvodnené pole

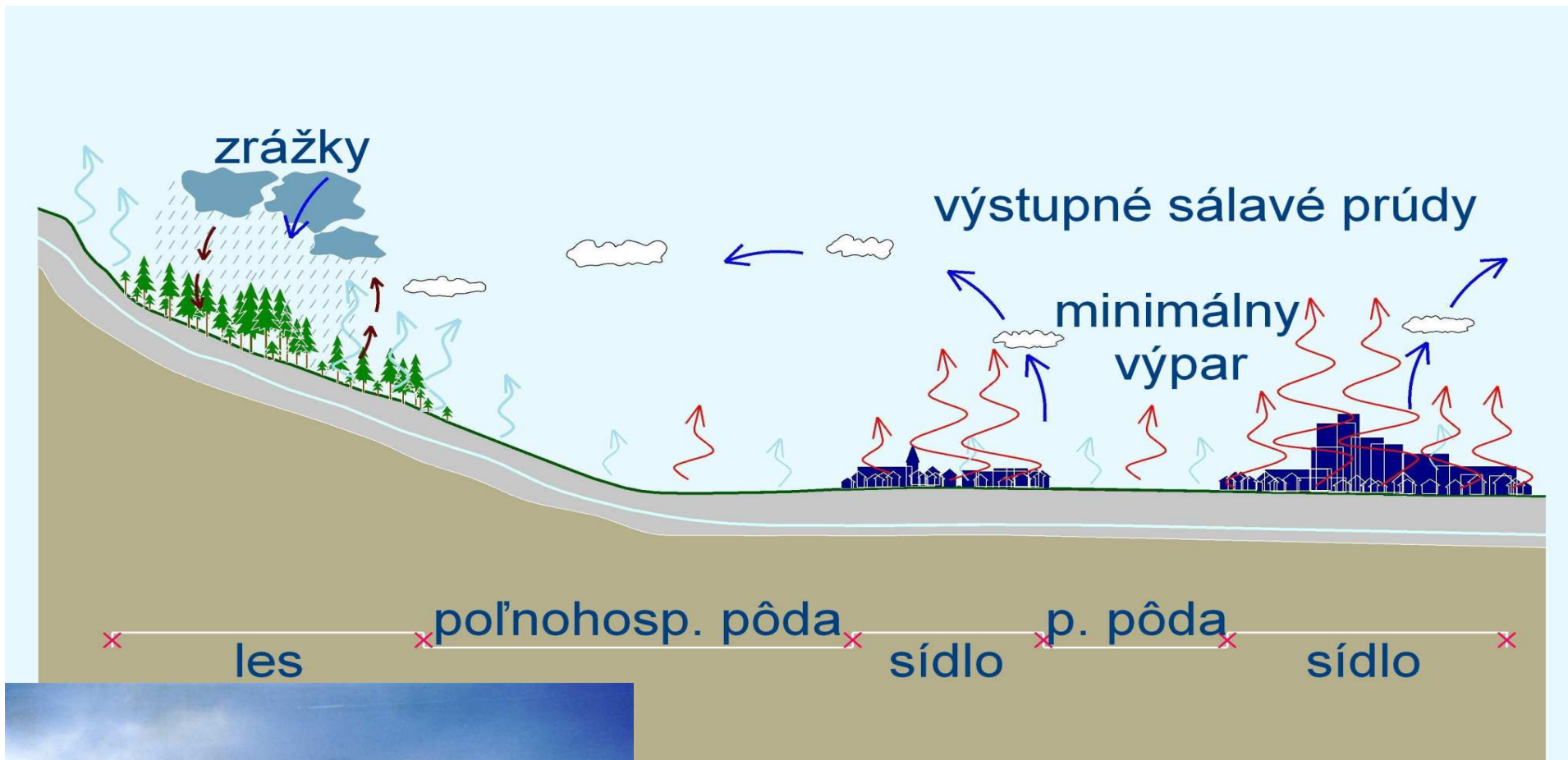


rybník, lúka, les
krajina s dostatkom vody



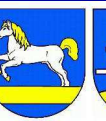
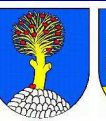
Teplotný dáždňik nad vysušou krajinou





Visiaci mrak nad Bachurňou 28.7 2003

Vytlačanie mrakov do hôr

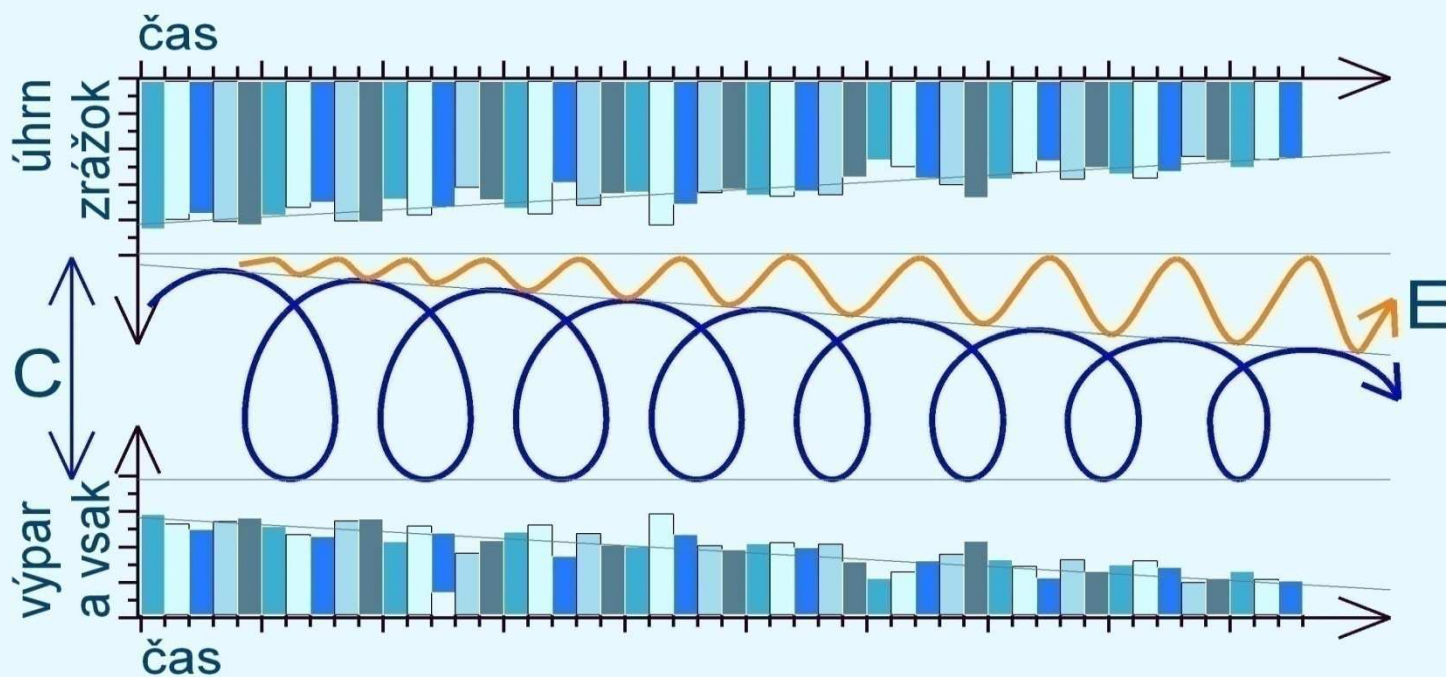


Slovensko v 20. storočí

zrážková činnosť
v horských
oblastiach rastie



Extrémy počasia pri úbytku vody v malom vodnom cykle

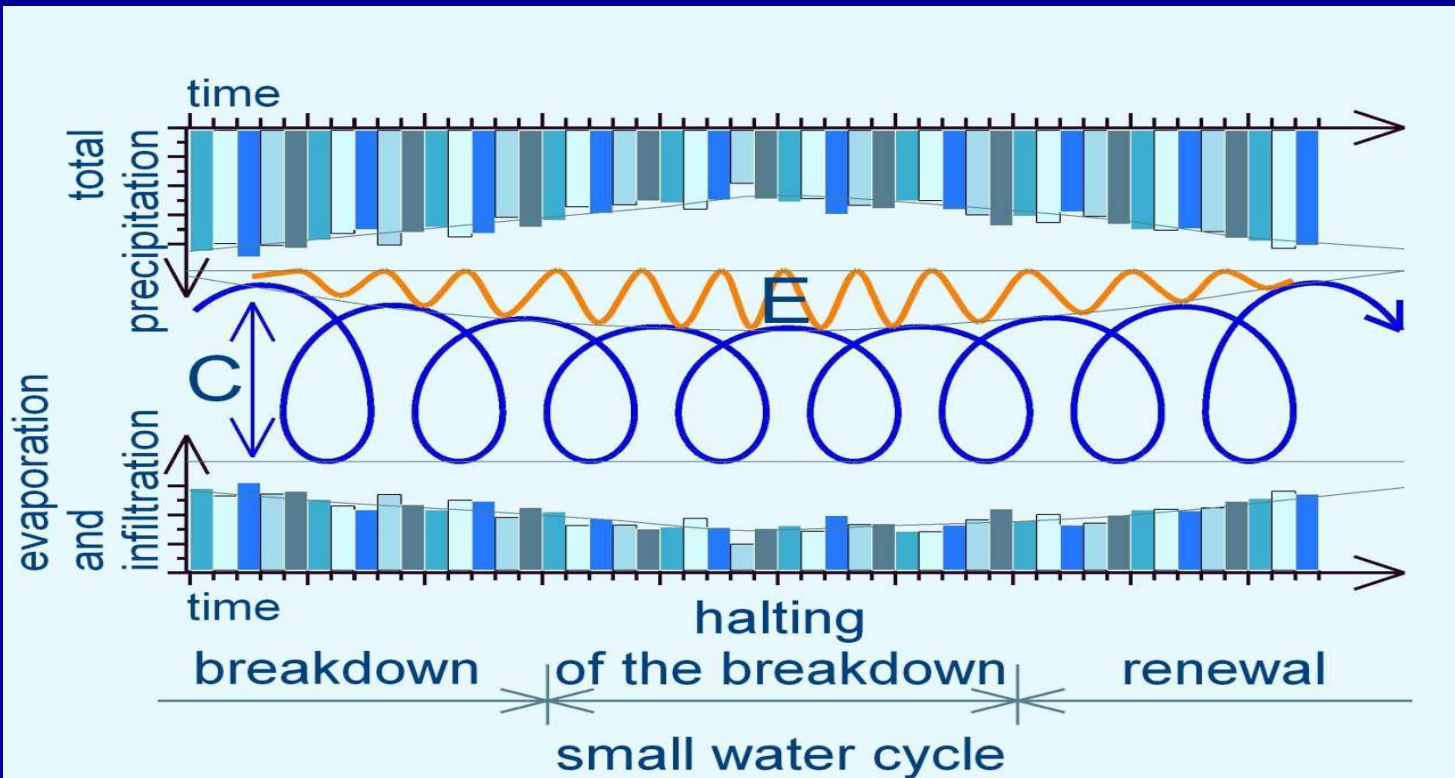


C - schéma cirkulácie vody v území

E - schéma extrémnych prejavov počasia



Deštrukcia a obnovy malých vodných cyklov



C - diagram of the circulation of water on land

E - diagram of extreme weather events

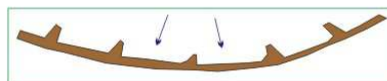


ZAČÍNAJME OD KVAPKY!



MIKROŠTRUKTÚRY NA ZACHYTÁVANIE VODY V TERÉNE

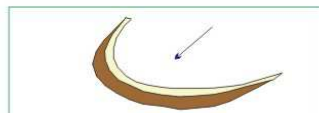
1. VRSTEVNICOVÉ HRÁDZKY



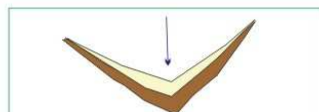
2. TERASY



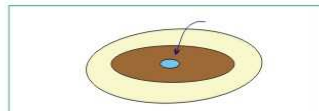
3. POLOOBLÚKOVÉ HRÁDZKY



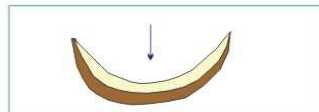
4. TROJUHOLNÍKOVÉ HRÁDZKY



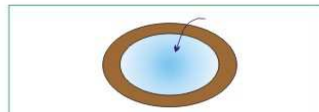
5. OČNÉ TERASY



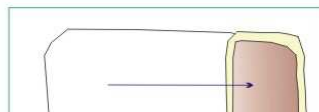
6. ŽLABOVÝ TYP MIKROPOVODÍ



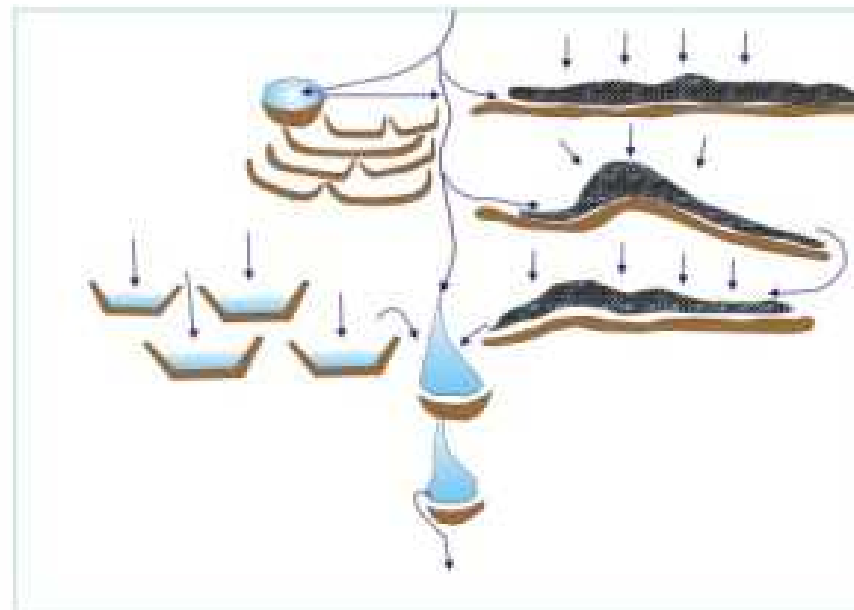
7. JAMKOVÉ ŠTRUKTÚRY



8. KAZETOVÉ ŠTRUKTÚRY MIKROPOVODÍ



KOMBINÁCIA RÔZNYCH TECHNIK ZADPŔIŽAVANIA DAŽDOVÝCH VÔD

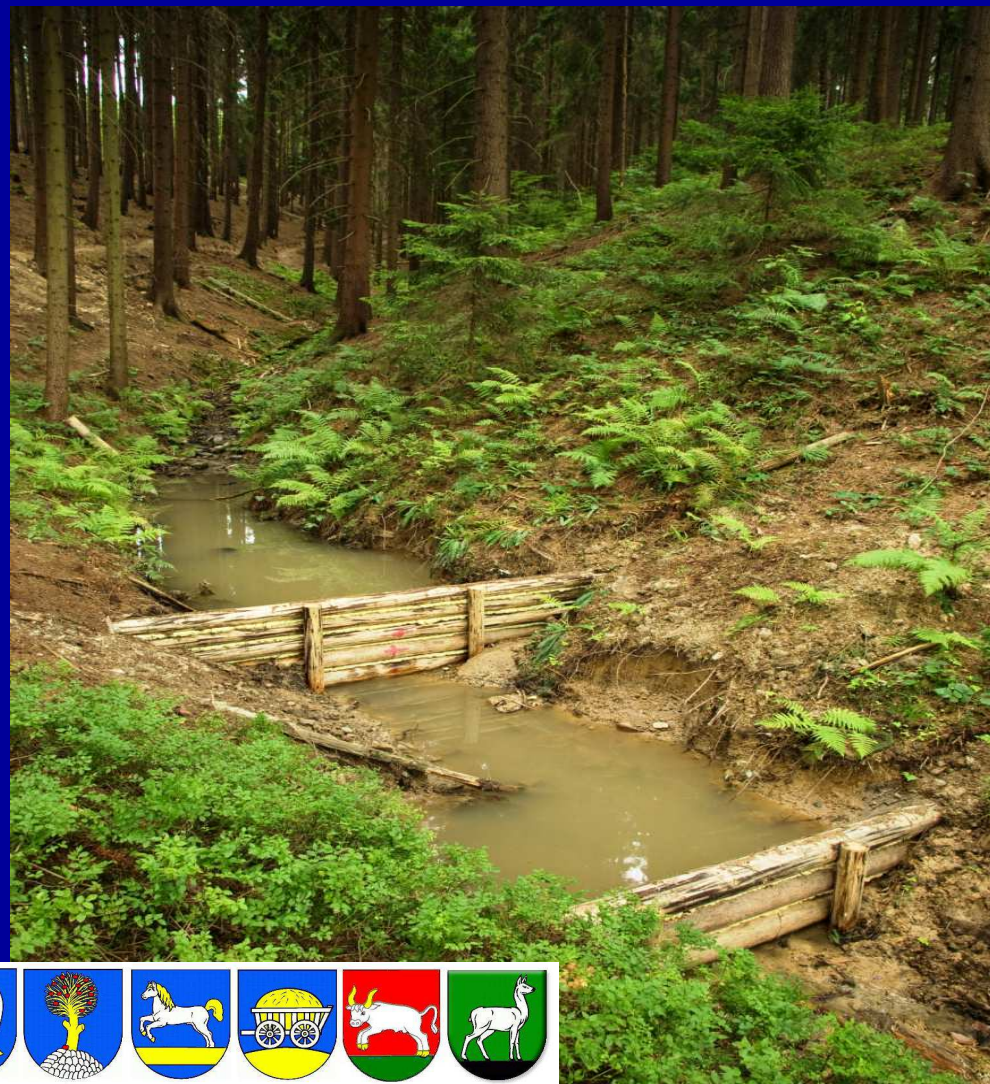


Schémy štruktúr na zachytávanie
dažďovej vody

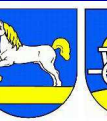
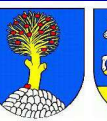


Výhody zadržovania dažďovej vody v krajine

- zdroje vody
- protipovodňová prevencia
- protierózna ochrana
- stabilizácia klímy
- biodiverzita
- lacné a účinné
- ...a pre ľudí



Analýza poškodenia krajiny



Analýza poškodenia krajiny

- Lesné pozemky: 3537,5 ha

-lesné cesty cca. 70 km

-niektoré v zlom stave

-strže a výmole

-vodné toky

- Poľnohospodárska pôda: 3122,2 ha

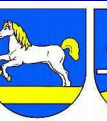
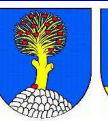


Analýza poškodenia krajiny

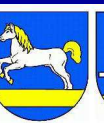
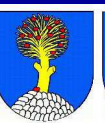


Erózia na cestách

Erózne ryhy v krajine



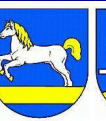
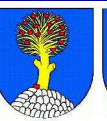
Analýza poškodenia krajiny



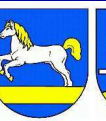
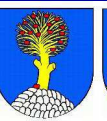
Analýza poškodenia krajiny



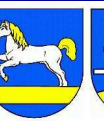
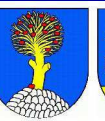
Analýza poškodenia krajiny



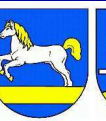
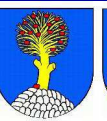
Analýza poškodenia krajiny



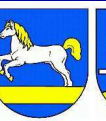
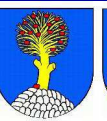
Analýza poškodenia krajiny



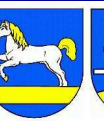
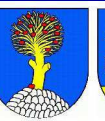
Analýza poškodenia krajiny



Analýza poškodenia krajiny

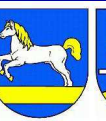
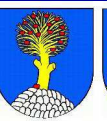


Analýza poškodenia krajiny



Analýza poškodenia krajiny

„poškodenie“ urbánnej časti krajiny



Analýza poškodenia krajiny

