



BeWater

Aktivno vključevanje družbe pri prilagajanju upravljanja voda na podnebne spremembe

Nataša Smolar-Žvanut, IzVRS

Aleksandra Krivograd Klemenčič, IzVRS

Manca Magjar, IzVRS



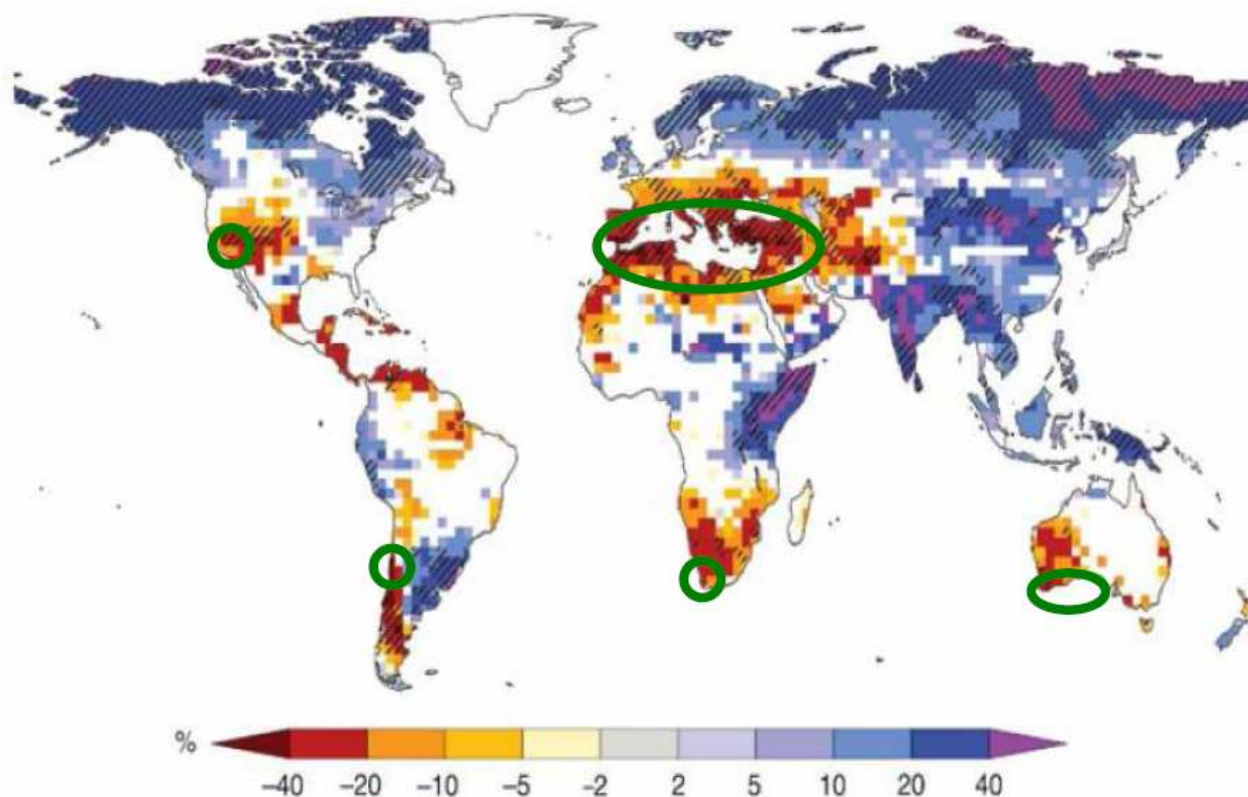
www.bewaterproject.eu



This project has received funding from the European Union's Seventh Programme for research, technological development and demonstration under grant agreement No 612565

Globalne spremembe v Sredozemlju

Razpoložljive količine vode do konca 21. stoletja



Vir: IPCC Technical Paper VI, 2008



www.bewaterproject.eu

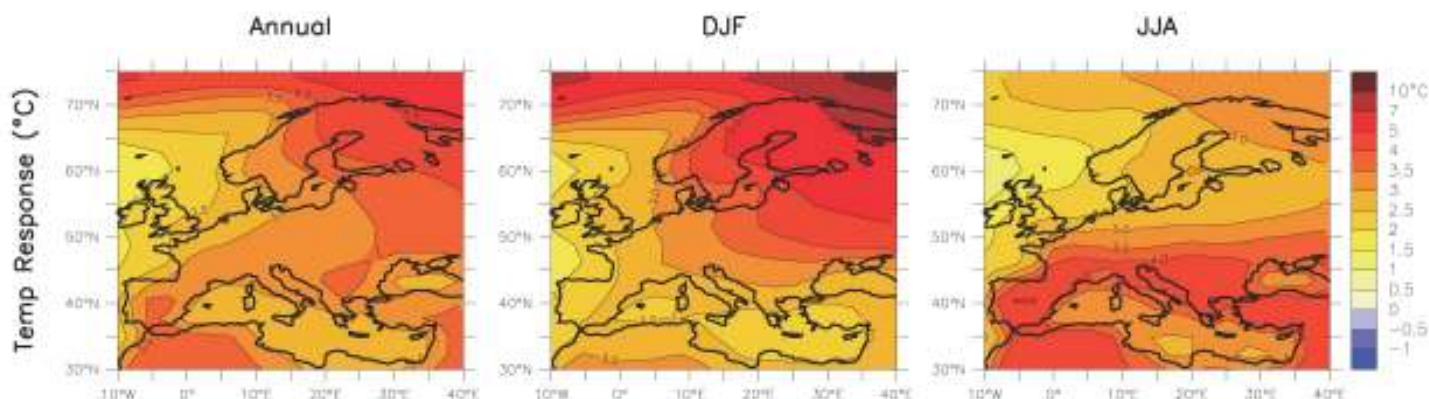


This project has received funding from the European Union's Seventh Programme for research, technological development and demonstration under grant agreement No 612385

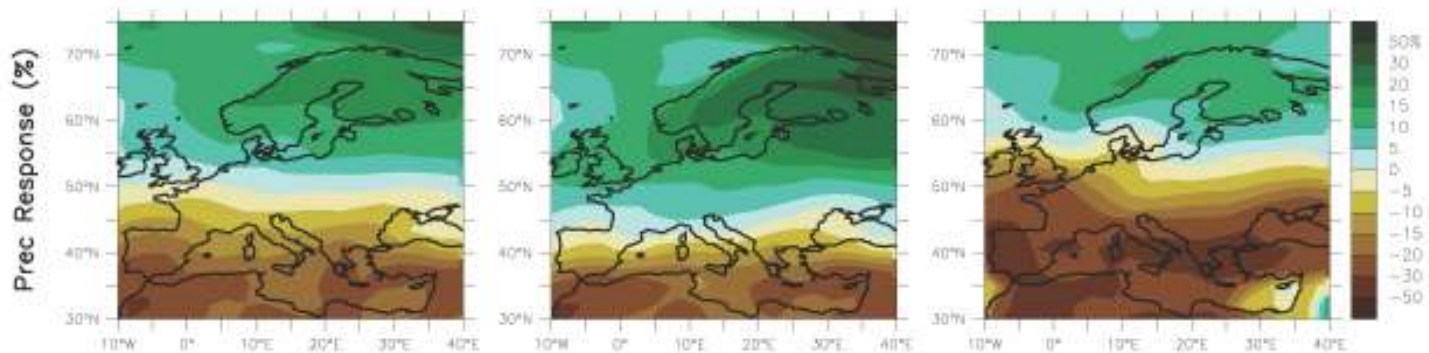
Globalne spremembe v Sredozemlju

Sredozemsko območje je izjemno občutljivo na podnebne spremembe

Povprečne letne,
zimске in poletne
temperaturne
spremembe 2080-
2099 vs. 1980-1999;
povprečje 21
modelov
(A1B scenarij)



Povprečne letne,
zimске in poletne
spremembe v količini
padavin 2080- 2099
vs. 1980-1999;
povprečje 21 modelov
(A1B scenarij)



Vir: Climate Change 2007 IV IPCC Assessment Report



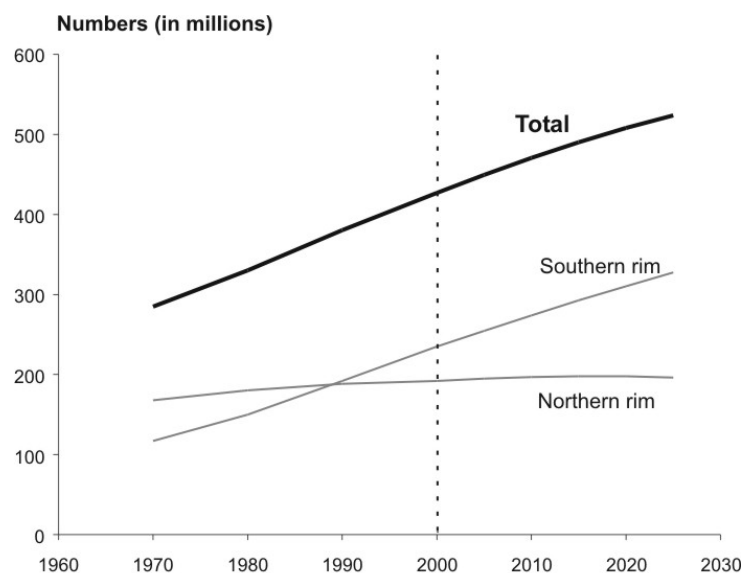
www.bewaterproject.eu



This project has received funding from the European Union's Seventh Programme for research, technological development and demonstration under grant agreement No 612385

Globalne spremembe v Sredozemlju

Sredozemska populacija



Vir: Plan Bleu 2004

Indeks rabe vode (WEI)



WEI > 40%
kaže na veliko
pomanjkanje
vode



Vir: Benoit in Comeau 2005



www.bewaterproject.eu



This project has received funding from the European Union's Seventh Programme for research, technological development and demonstration under grant agreement No 612385

Skupen odziv

Globalne spremembe
ogrožajo celotno družbo

Bistveno: globalne
spremembe in
Sredozemlje, izgradnja
prožnosti

PRILAGODITEV

Dialog in sodelovanje med znanostjo in družbo

Družbena ozaveščenost, moč odločanja in skupna odgovornost

Pristop od spodaj navzgor (bottom-up)



www.bewaterproject.eu

BeWater



This project has received funding from the European Union's Seventh Programme for research, technological development and demonstration under grant agreement No 612385

Projekt BeWater



BeWater Project

Society Adapting to Global Change

The BeWater project promotes dialogue and collaboration between science and society for sustainable water management and adaptation to the impacts of global change in the Mediterranean.

01.
Science



02.
Society



03.
Adaptation



04.
Resilience



www.bewaterproject.eu



This project has received funding from the European Union's Seventh Programme for research, technological development and demonstration under grant agreement No 612385

Pregled

➤ Skupna vrednost 3.588.713,20 €

➤ Prispevek EK 2.934.724,00 €

➤ Trajanje 42 mesecev

➤ Začetek 01.10.2013

➤ Konzorcij 12 partnerjev
iz 11 držav

➤ Koordinator Anabel Sánchez
CREAF, Španija



THE CYPRUS
INSTITUTE



EUROPE
for business



Global Water
Partnership
Hubbards & Stroud



www.bewaterproject.eu



This project has received funding from the European Union's Seventh Programme for research, technological development and demonstration under grant agreement No 612385

Projekt

Obravnava **izzive** prilagajanja na **globalne spremembe** v Sredozemskih porečjih



Promovira **dialog** in **sodelovanje** med znanostjo in družbo



Začenja prehod iz tehnološko orientiranega upravljanja voda k novi viziji **načrtovanja in upravljanja voda** s strani **deležnikov**



Omogoča **proaktivni odziv** na nove podnebne **spremembe** in **vplive**



www.bewaterproject.eu



This project has received funding from the European Union's Seventh Programme for research, technological development and demonstration under grant agreement No 612385

Cilji

1. Pričeti z **inovativno**, s strani **deležnikov** podprto metodo družbenega prehoda k bolj **sonaravnemu**, **prožnemu** in **prilagodljivemu** upravljanju voda
2. Promovirati **prenos** rezultatov BeWater projekta **na zakonodajno raven**
3. Promovirati **vzajemno in več-smerno učenje** med projektnimi partnerji, subjekti in akterji znotraj in med porečji ter s širšo družbo
4. Okrepiti **sodelovanje družbe** in graditi **družbeno prožnost**



www.bewaterproject.eu



This project has received funding from the European Union's Seventh Programme for research, technological development and demonstration under grant agreement No 612385

Pričakovani rezultati

Lokalni

Osnova za **dolgotrajno partnerstvo** med civilno družbo, znanostjo in javno upravo

Nabor **realnih možnosti upravljanja voda** in **prilagoditvenih načrtov** za vsako pilotno porečje

Nacionalni

Predstavitev prilagoditvenih načrtov na **ravni države**

Aktivno vključevanje v procese **oblikovanja politik** s pomočjo **pogovora in posvetovanja** na ravni države

Evropski

Okvir za trajnostno **sodelovanje** med **znanostjo & družbo** za upravljanje z vodnimi viri

Postopek se lahko prilagodi in uporabi v drugih porečjih v Sredozemlju

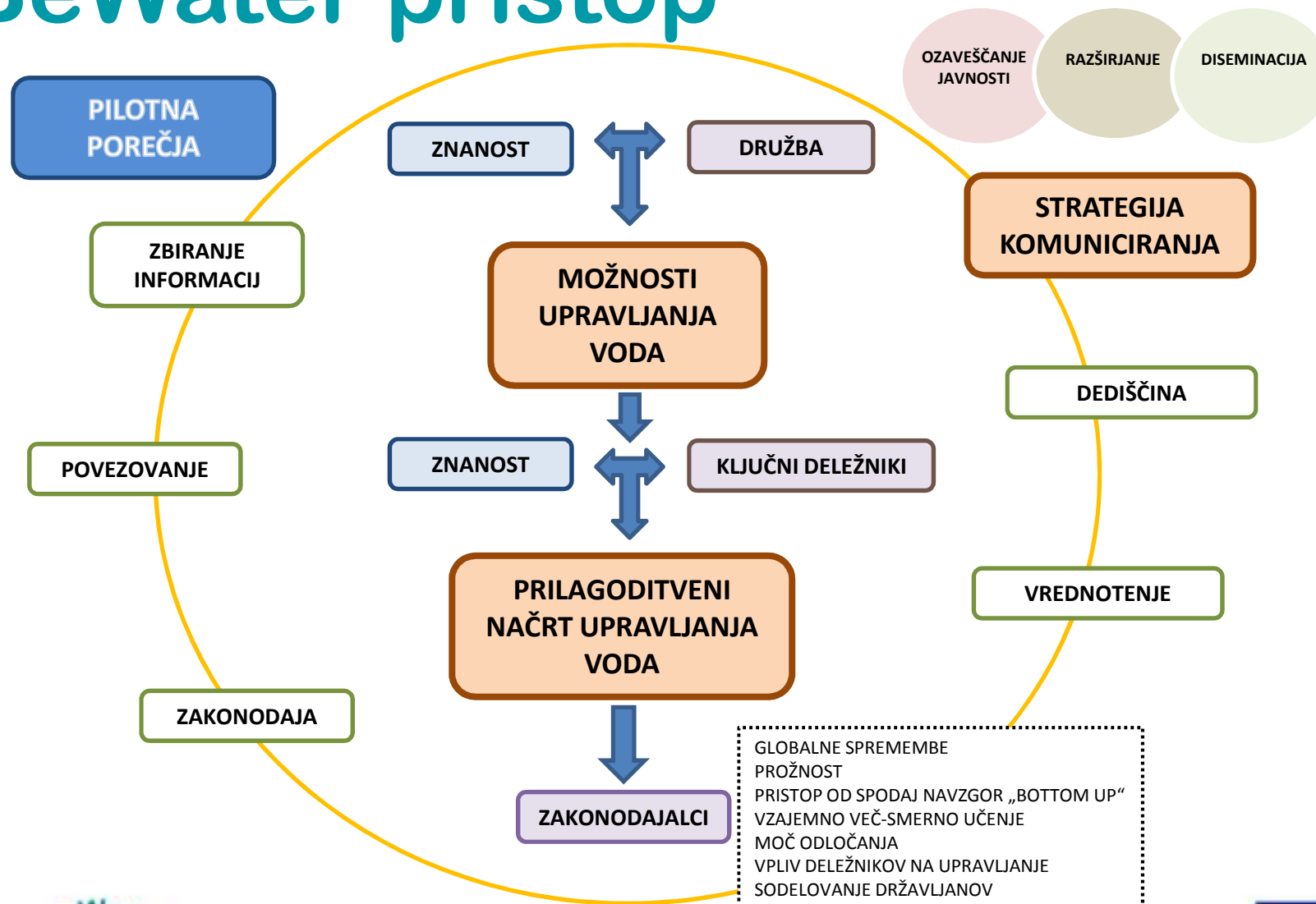


www.bewaterproject.eu



This project has received funding from the European Union's Seventh Programme for research, technological development and demonstration under grant agreement No 612385

BeWater pristop



www.bewaterproject.eu



This project has received funding from the European Union's Seventh Programme for research, technological development and demonstration under grant agreement No 612385

4 Pilotna porečja

Štiri območja Sredozemlja (S, J, V, Z),
predstavnice različnih razmer

Majhna porečja olajšajo
razumevanje dinamike
večjih porečij

Bistvene povezave med
družbo in območjem

Prenos rezultatov na
ostala sredozemska
območja

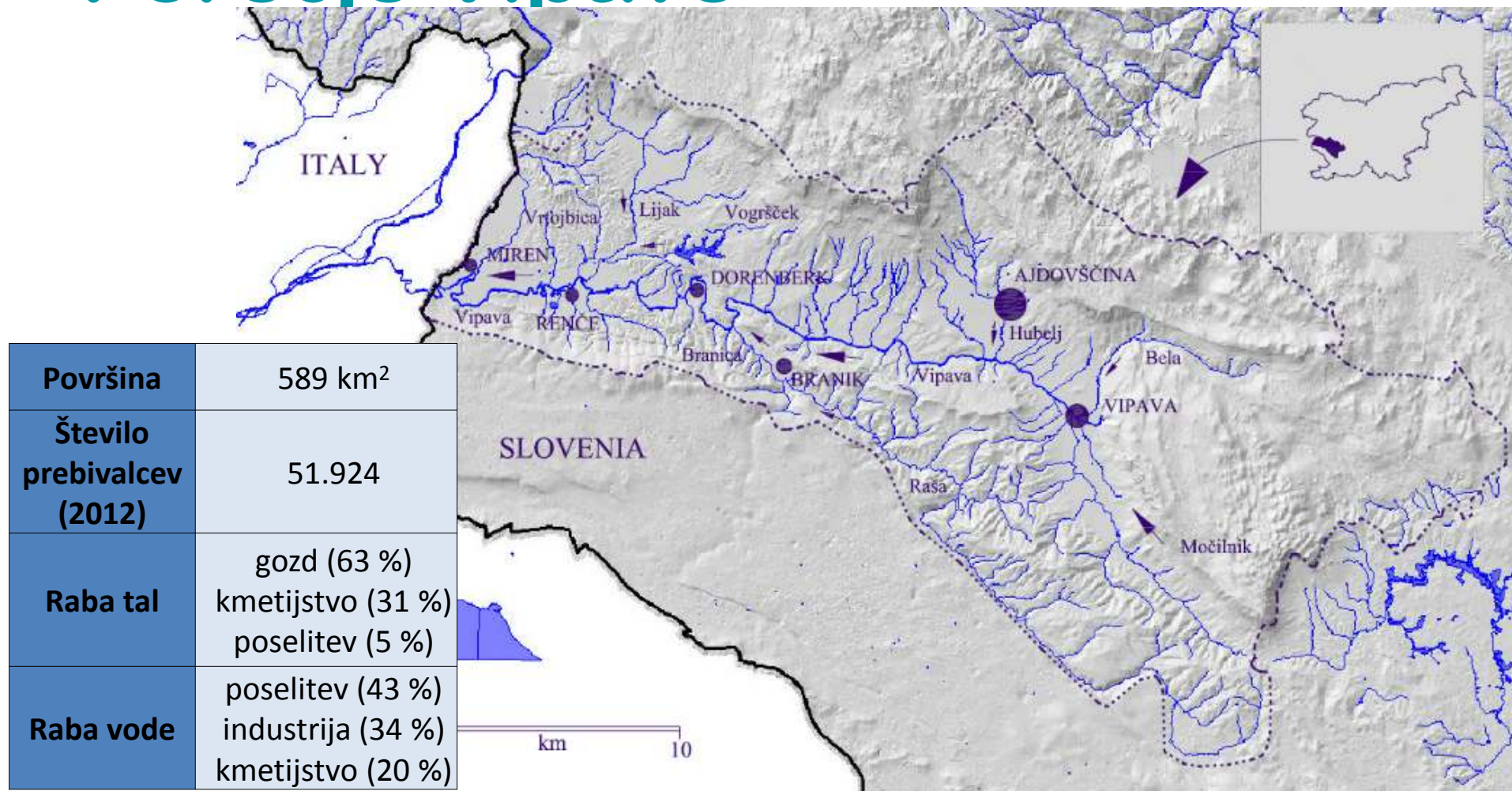


www.bewaterproject.eu



This project has received funding from the European Union's Seventh Programme for research, technological development and demonstration under grant agreement No 612385

Porečje Vipave



www.bewaterproject.eu



This project has received funding from the European Union's Seventh Programme for research, technological development and demonstration under grant agreement No 612385

Obremenitev voda

- Točkovni viri onesnaževanja
 - Čistilne naprave, industrijske naprave, odlagališča
- Razpršeni viri onesnaženja
 - Kmetijstvo, poselitev
- Hidromorfološke obremenitve
 - Zadrževalniki, namakalni in osuševalni sistemi, odvzemi vode za različne namene, regulacije vodotokov, raba obrežnega pasu



Ureditve struge Hublja na izviru



www.bewaterproject.eu



This project has received funding from the European Union's Seventh Programme for research, technological development and demonstration under grant agreement No 612385

- Biološke obremenitve - Tujerodne vrste rib (ZZRS, baza podatkov, popisi od 1981 do 2013):
 - klen (*Squalius cephalus*), mrena (*Barbus barbus*), navadni globoček, podust (*Chondrostoma nasus*), potočna postrv (*Salmo trutta fario*), psevdorazbora (*Pseudorasbora parva*), som (*Silurus glanis*), srebrni koreselj (*Carassius gibelio*), šarenka (*Oncorhynchus mykiss*)



www.bewaterproject.eu



This project has received funding from the European Union's Seventh Programme for research, technological development and demonstration under grant agreement No 612385

BeWater deležníci



www.bewaterproject.eu

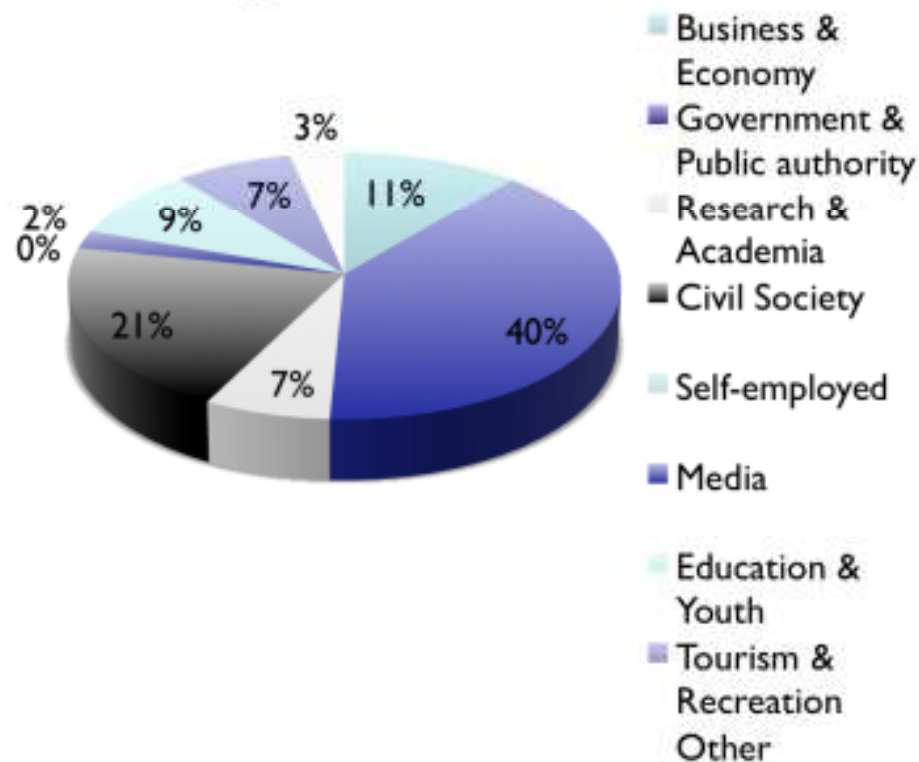


This project has received funding from the European Union's Seventh Programme for research, technological development and demonstration under grant agreement No 612385

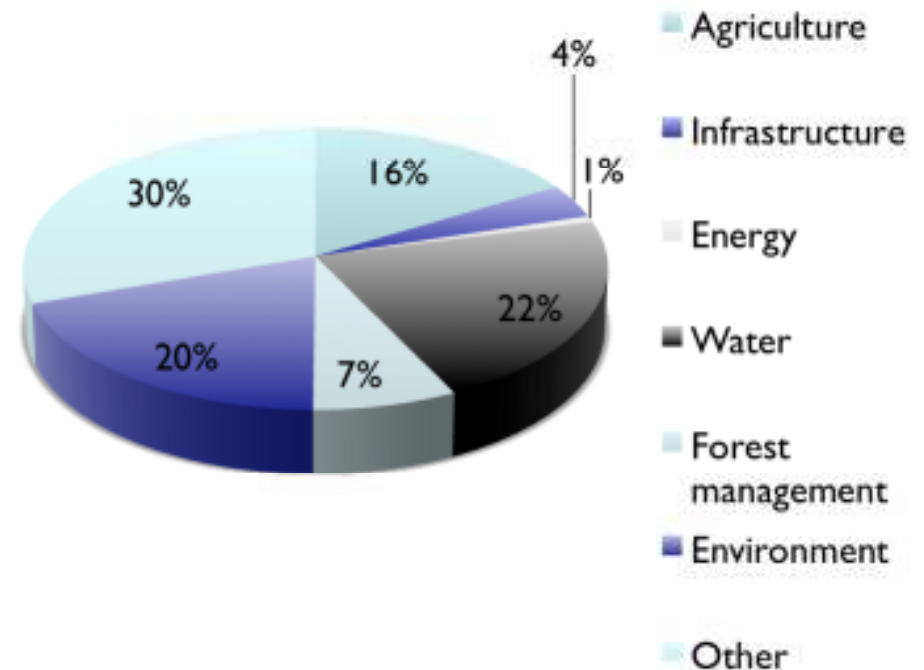
Baza deležnikov

Identificiranih 297 deležnikov v porečju Tordera (Španija), Vipave (Slovenija), Rmel (Tunizija) in Pedieos (Ciper)

Organisational affiliation



Thematic area



Izbor in vloga deležnikov v projektu

- Baza vključuje širok izbor relevantnih deležnikov iz posameznih porečij
- Uravnotežena zastopanost lokalne družbe
- Izkazan interes z vprašanji povezanimi z vodo
- Sodelovanje v razvoju možnosti upravljanja voda s ciljem zmanjšanja ranljivosti pilotnih porečij pri soočanju z vplivi globalnih sprememb
- Razširjati znanje pridobljeno skozi proces razvoja možnosti upravljanja voda



www.bewaterproject.eu



This project has received funding from the European Union's Seventh Programme for research, technological development and demonstration under grant agreement No 612385

Načrt vključevanja deležnikov v projekt

Projektne delavnice:

1. Razprava o izzivih globalnih sprememb v porečju Vipave
➤ junij 2014
2. Oblikovanje različnih možnosti upravljanja & vrednotenje
➤ junij 2015
3. Potrjevanje Prilagoditvenega načrta
➤ november 2016

Vzporedne aktivnosti:

- Pogovori s strokovnjaki & pristojnimi organi
➤ začetek september 2014
- Pogovori z javnostjo
➤ začetek september 2014
- Posvetovanja s strokovnjaki
➤ začetek september 2015



www.bewaterproject.eu



This project has received funding from the European Union's Seventh Programme for research, technological development and demonstration under grant agreement No 612385

Ozaveščanje javnosti & nabor aktivnosti

- Mobilna razstava
- Predstavitev izzivov globalnih sprememb povezanih z vodo v lokalnih srednjih šolah
- Komunikacija z lokalnimi mediji
- Socialna omrežja  BeWater Project  bewater_project
- Spletna stran www.bewaterproject.eu
- Predstavitev najpomembnejših rezultatov
- Priročnik o prilagoditvi upravljanja voda na globalne spremembe



www.bewaterproject.eu



This project has received funding from the European Union's Seventh Programme for research, technological development and demonstration under grant agreement No 612385

BeWater / GEP projekt

- Skupne točke:
 - Porečje Vipave / Porečje Soče
 - Upravljanje in varovanje virov pitne vode
- Identifikacija novih deležnikov ter vključitev v BeWater bazo deležnikov
- Posvetovanje s strokovnjaki o izsledkih hidrogeološke in prostorske analize v sklopu GEP projekta
- Izmenjava informacij med projektoma GEP in BeWater



www.bewaterproject.eu



This project has received funding from the European Union's Seventh Programme for research, technological development and demonstration under grant agreement No 612385



Hvala!



www.bewaterproject.eu



This project has received funding from the European Union's Seventh Programme for research, technological development and demonstration under grant agreement No 612385