



SEGURA RIVERLINK

LIFE12 ENV/ES/001140 LIFE

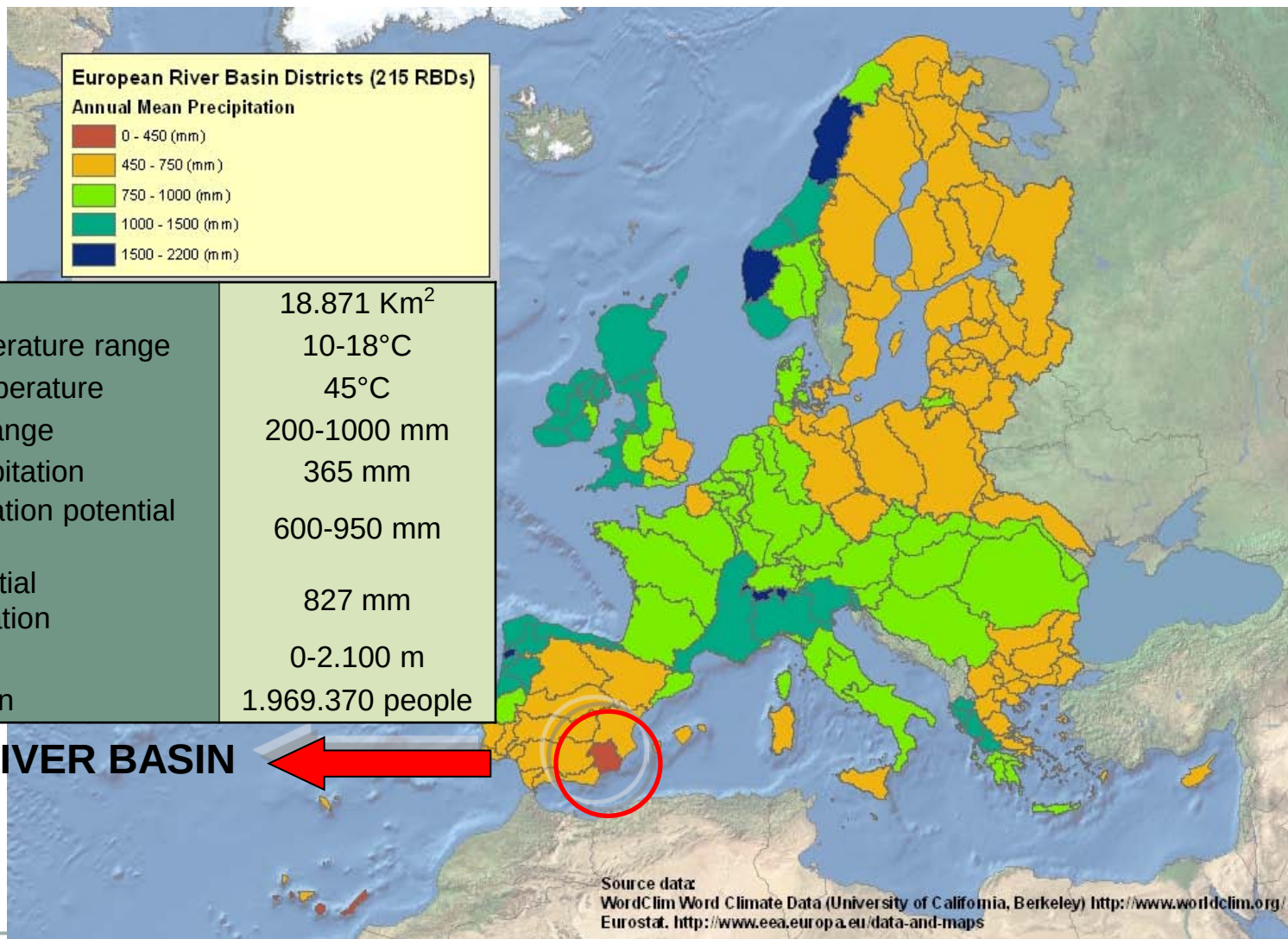


LIFE Platform meeting: "Climate change-ecosystem
services approach to adaptation and mitigation"

May 14, 2014. Norwich



LIFE12 ENV/ES/1140



SEGURA RIVER BASIN



PROJECT PARTNERS



CONFEDERACIÓN
HIDROGRÁFICA
DEL SEGURA

COMISARÍA
DE AGUAS



Universidad de Valladolid





RIVERLINK OBJECTIVES

REMOVE BARRIERS



SRBMP



RIVERBANK RESTORATION

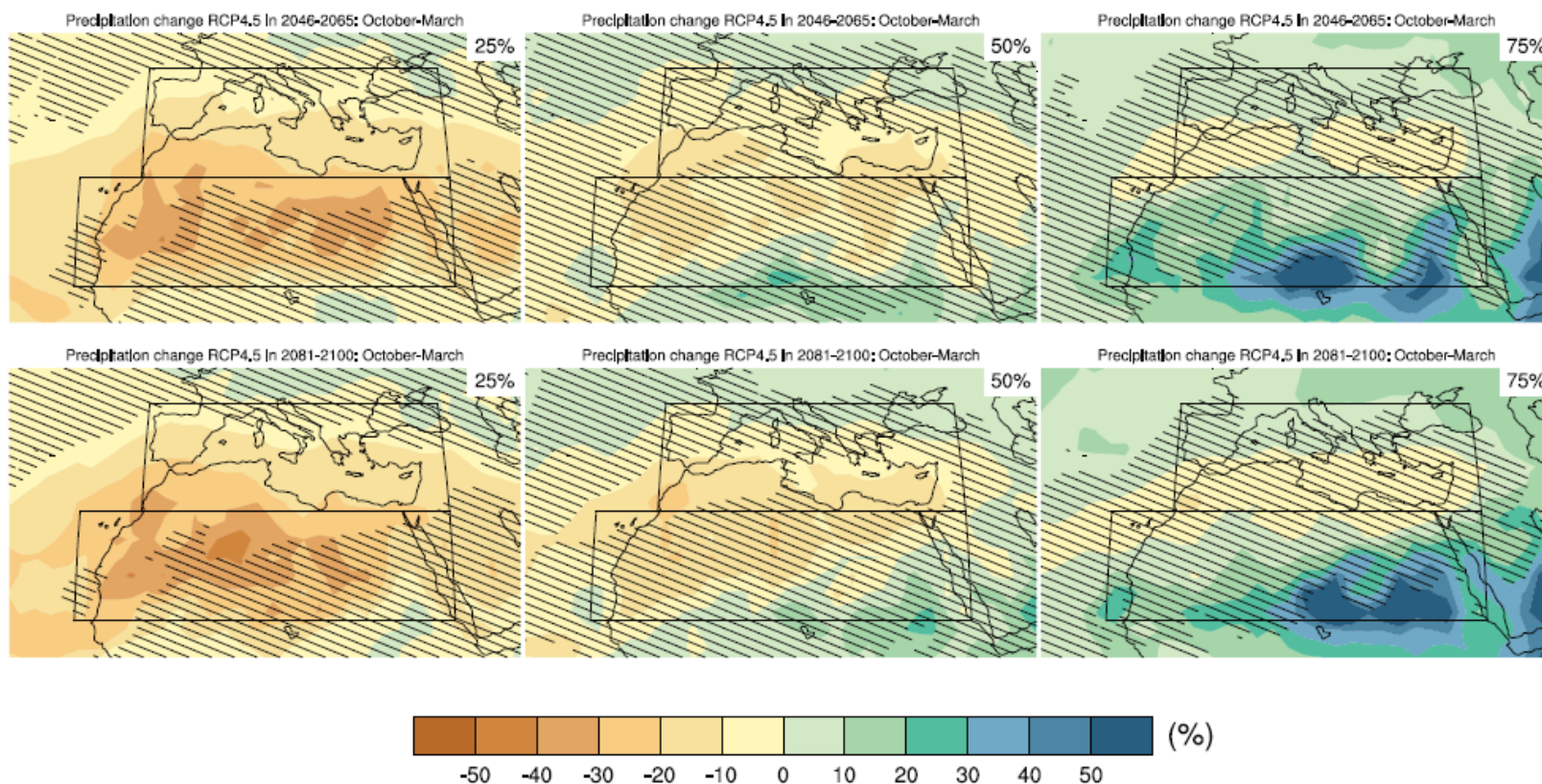


Transfer to the River Basin
Management Plans





Mediterranean area will be affected by less precipitations but more flash floodings





High risk of flash flooding in Segura basin

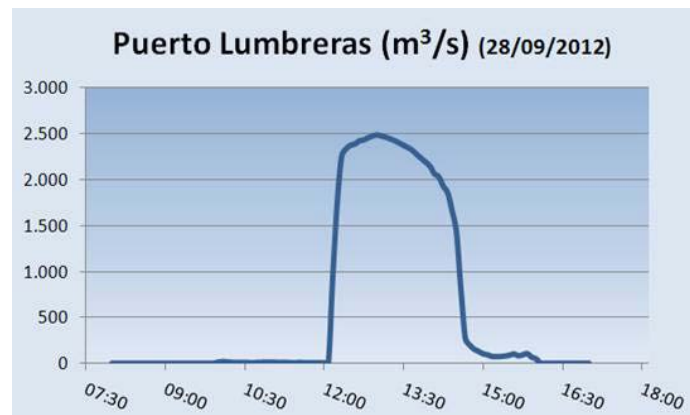
Flow rate (m³/s)

28/09/2012 12:05 7,24

28/09/2012 12:10 **949,225**

28/09/2012 12:15 **1.750,35**

28/09/2012 12:20 **2.255,230**



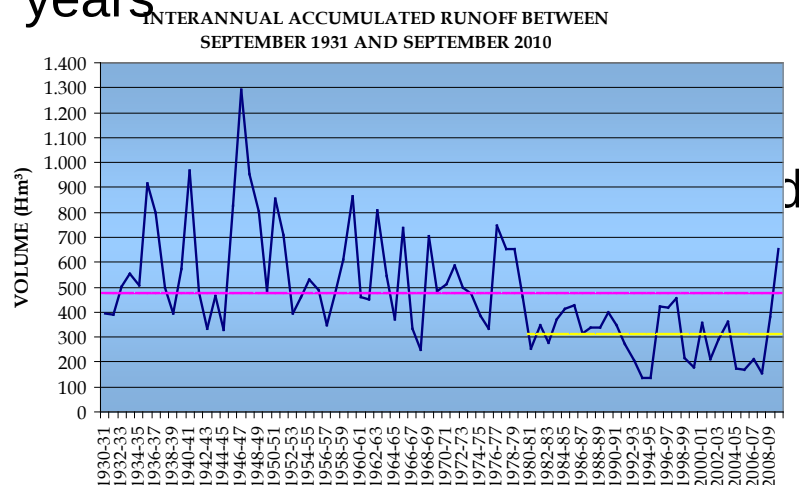
Rambla de Nogalte. Puerto Lumbreras (Murcia, Spain)





Climate change impact in Riverlink

Reducing water resources in Segura river basin in last 30 years



Less riparian forest (<biodiversity)



Giant reed (*Arundo donax* L.) area have enlarged





Adaptation and mitigation

Riparian forest reduce risk of floodin (speed)

Reduction of sediments in the rivers

Arundo donax obstructs the bridges in the floodings



Guadalentín river, Murcia





Challenges Riverlink and climate change

Reduce the cost to recover the riparian forest

Explain the local population the benefits of the riparian forest

High regulation needed have caused the increment of non native species

Fish passes will improve the barbel (*Luciobarbus sclateri*) communities



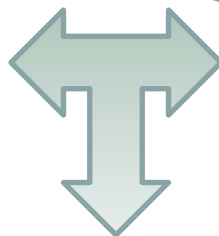


Conclusions

Segura river basin is one of the areas more affected in all Europe about the climate change impact, in two aspects:

Reduction in water resources

Increment of the flash flooding



Increment the riparian connectivity with the riparian forest is decisive in the adaptation to the climate change.

Remove barriers will benefit barbel expansion in the basin



SEGURA RIVERLINK

F R A N Q U E O F L U V I A L



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