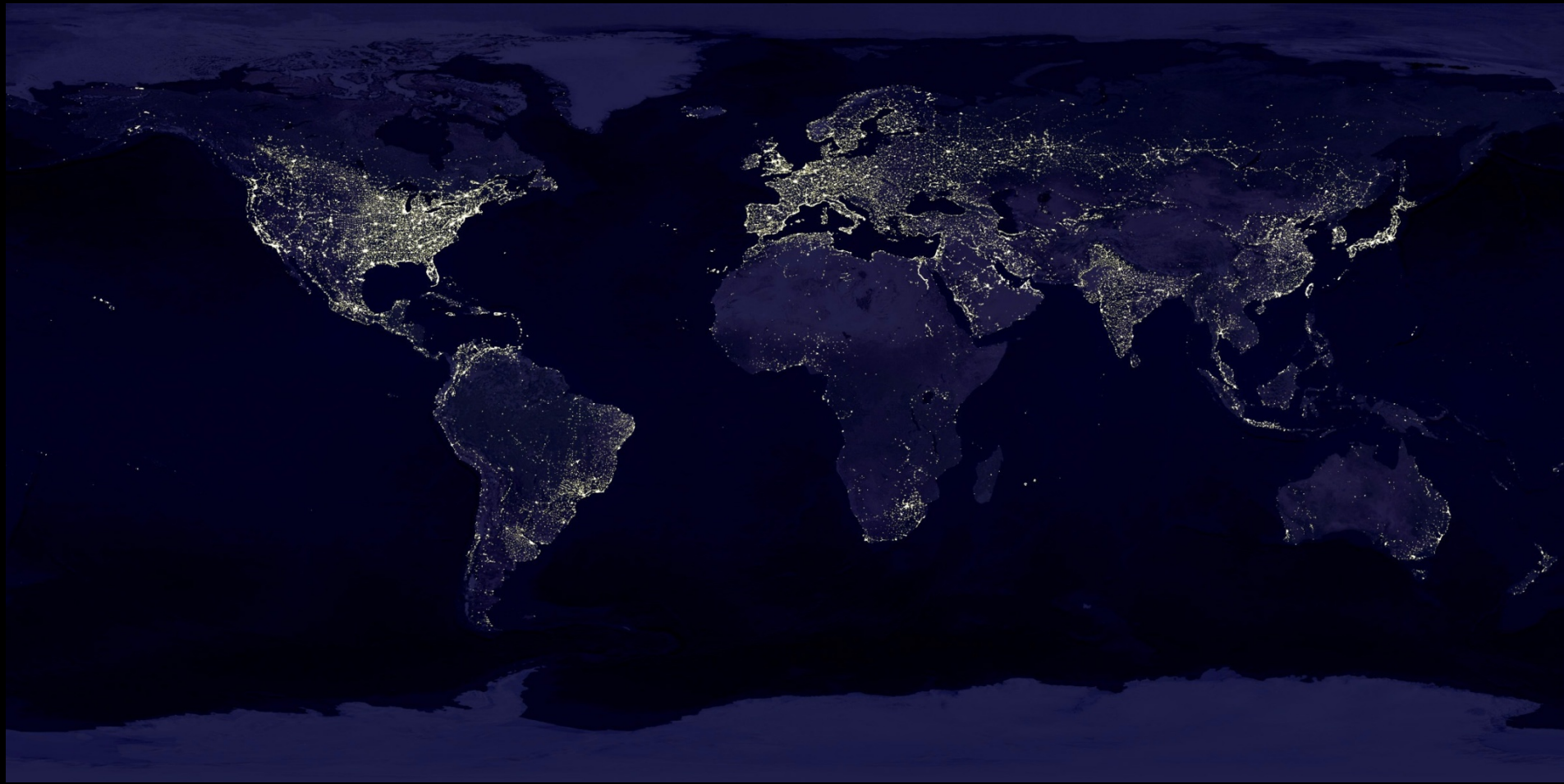


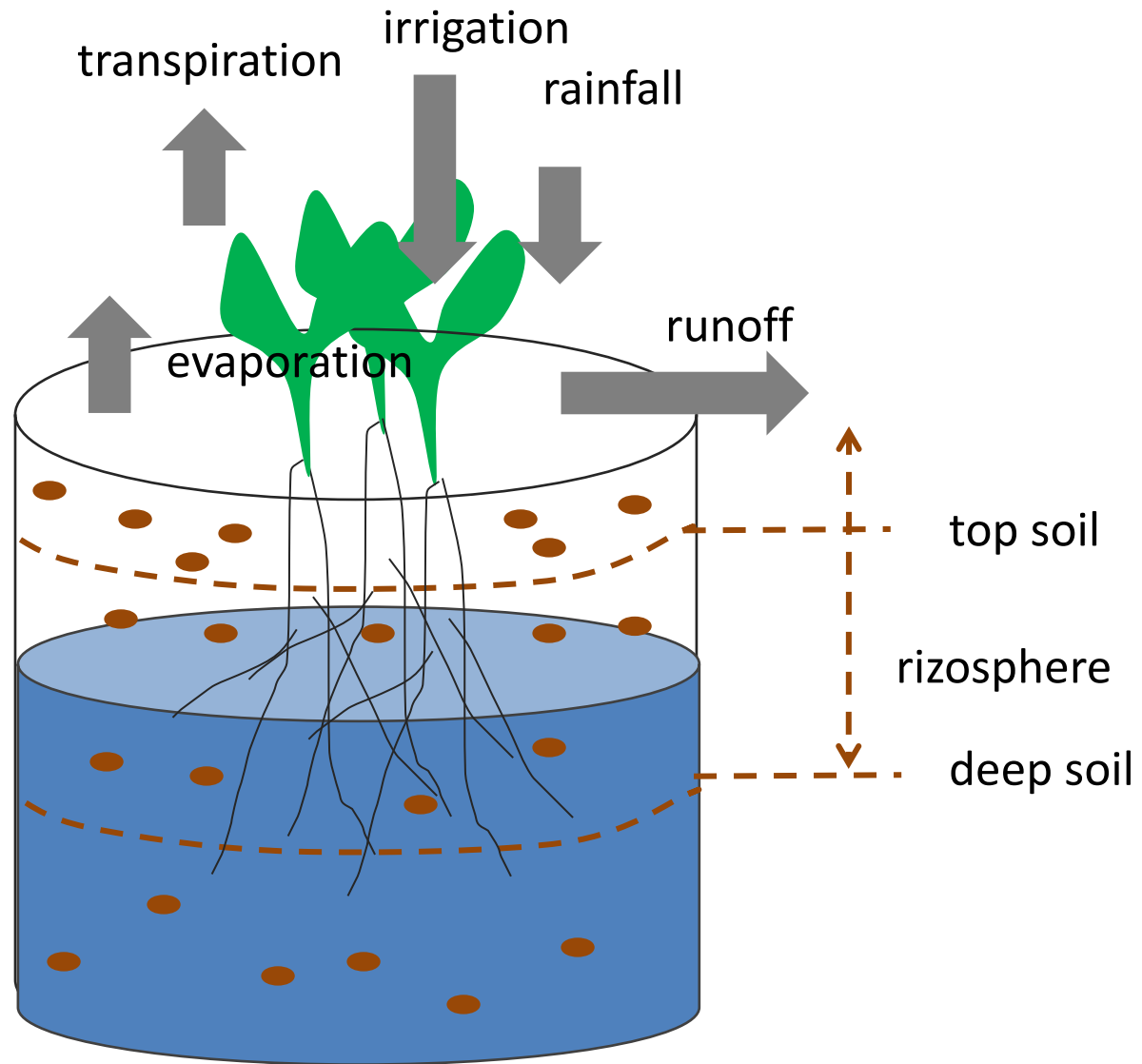
The Mediterranean Region: Looking into the future of food and water security (without a crystal ball)

Ana Iglesias
UPM, Spain

*European Climate Research Alliance
General Assembly, 7-8 March 2017, Brussels
Climate Change and Vulnerable Regions*





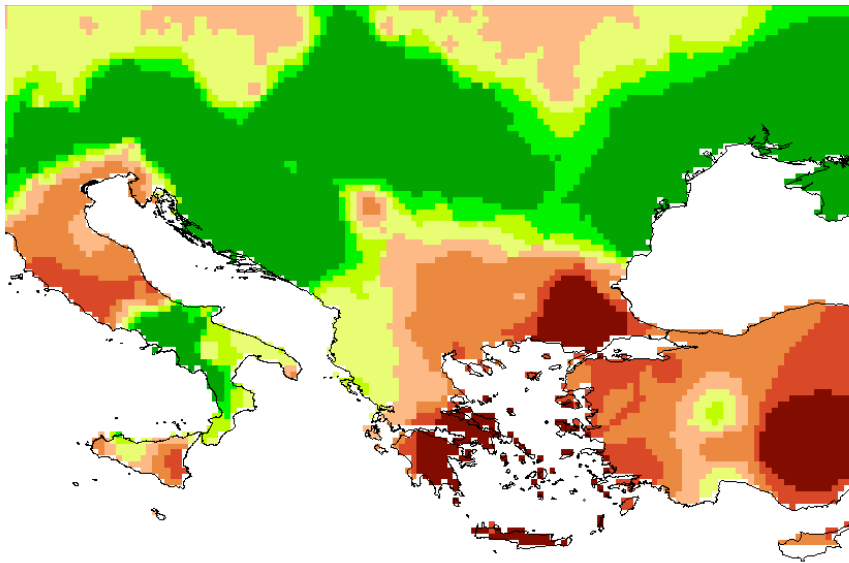


Reasons for concern

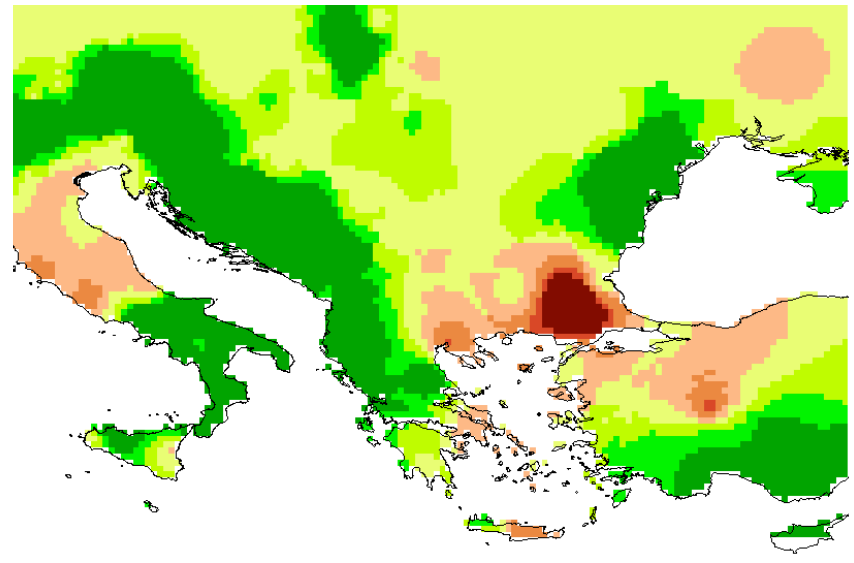
	Possible effect	Confidence level
Optimal location of crops (zones)	change	high
Crop productivity	change	high
Irrigation requirements	increase	high
Soil salinity and erosion	increase	medium
Damage by extremes	increase	medium
Environmental degradation	increase	medium
Pests and diseases	increase	medium

Changes in land productivity (Iglesias et al 2017)

RCP 4.5



RCP 2



Scenario yield changes from baseline (%)



-60 -15 -10 -5 0 5 10 15 60



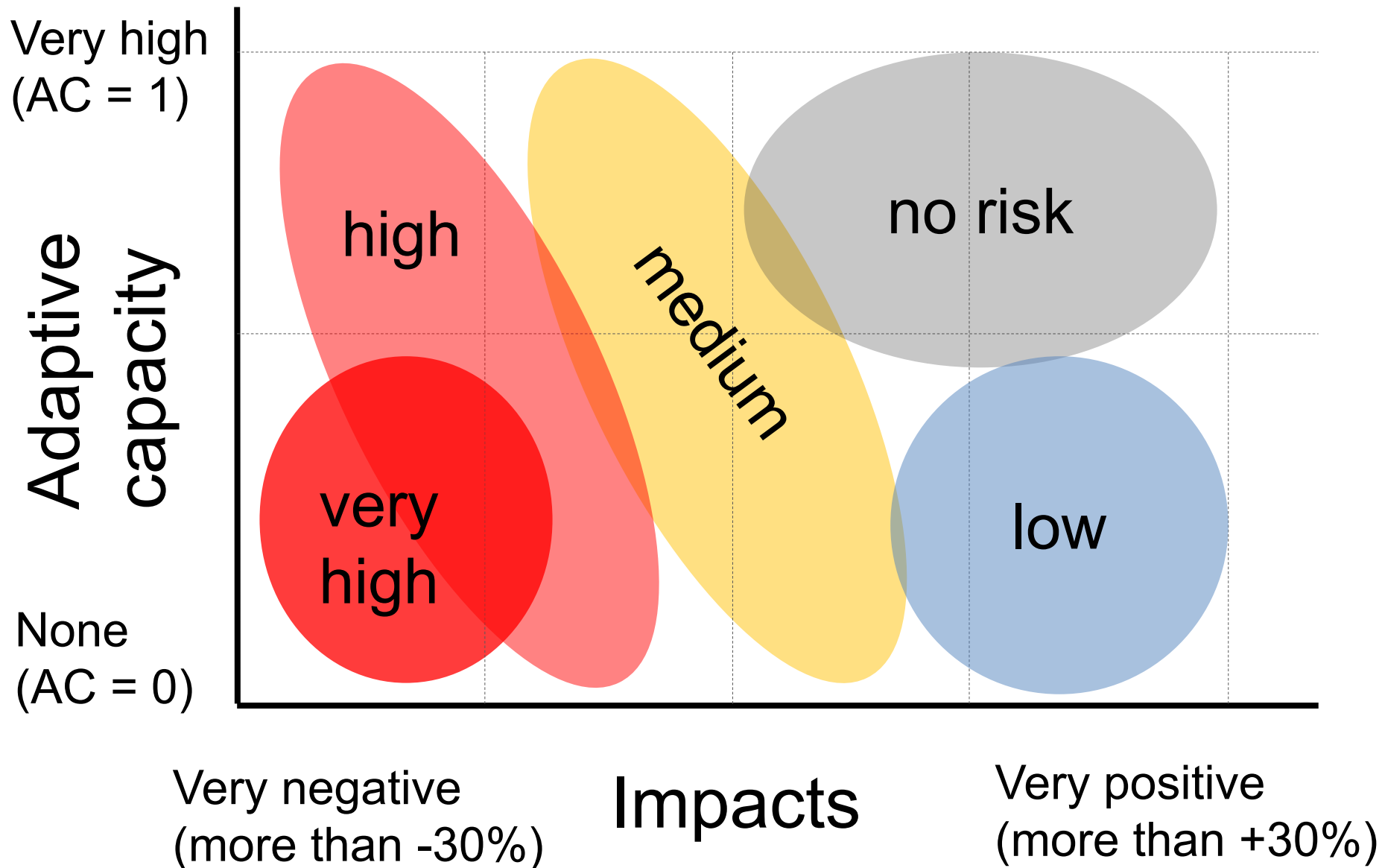




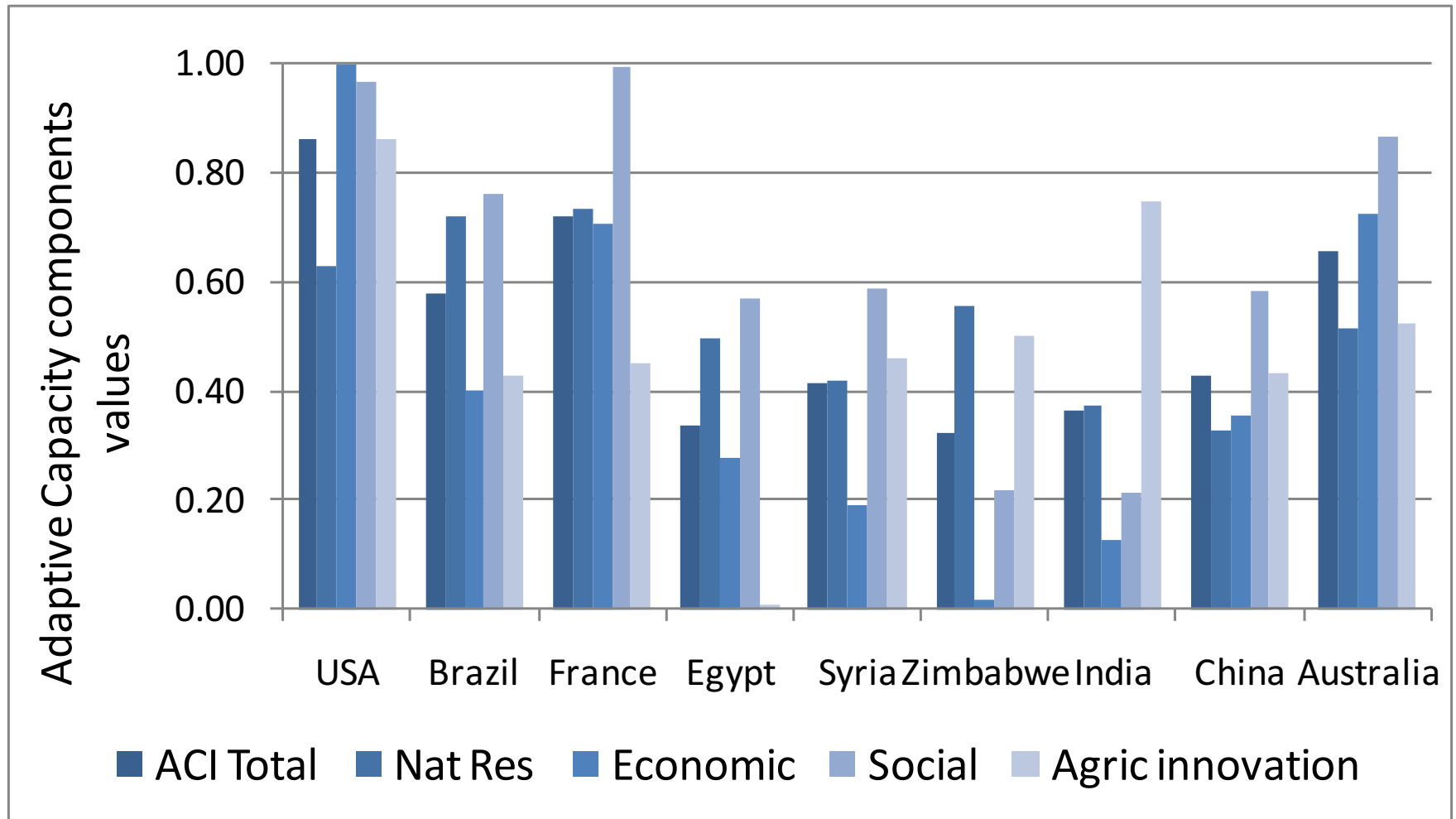
2 assertions

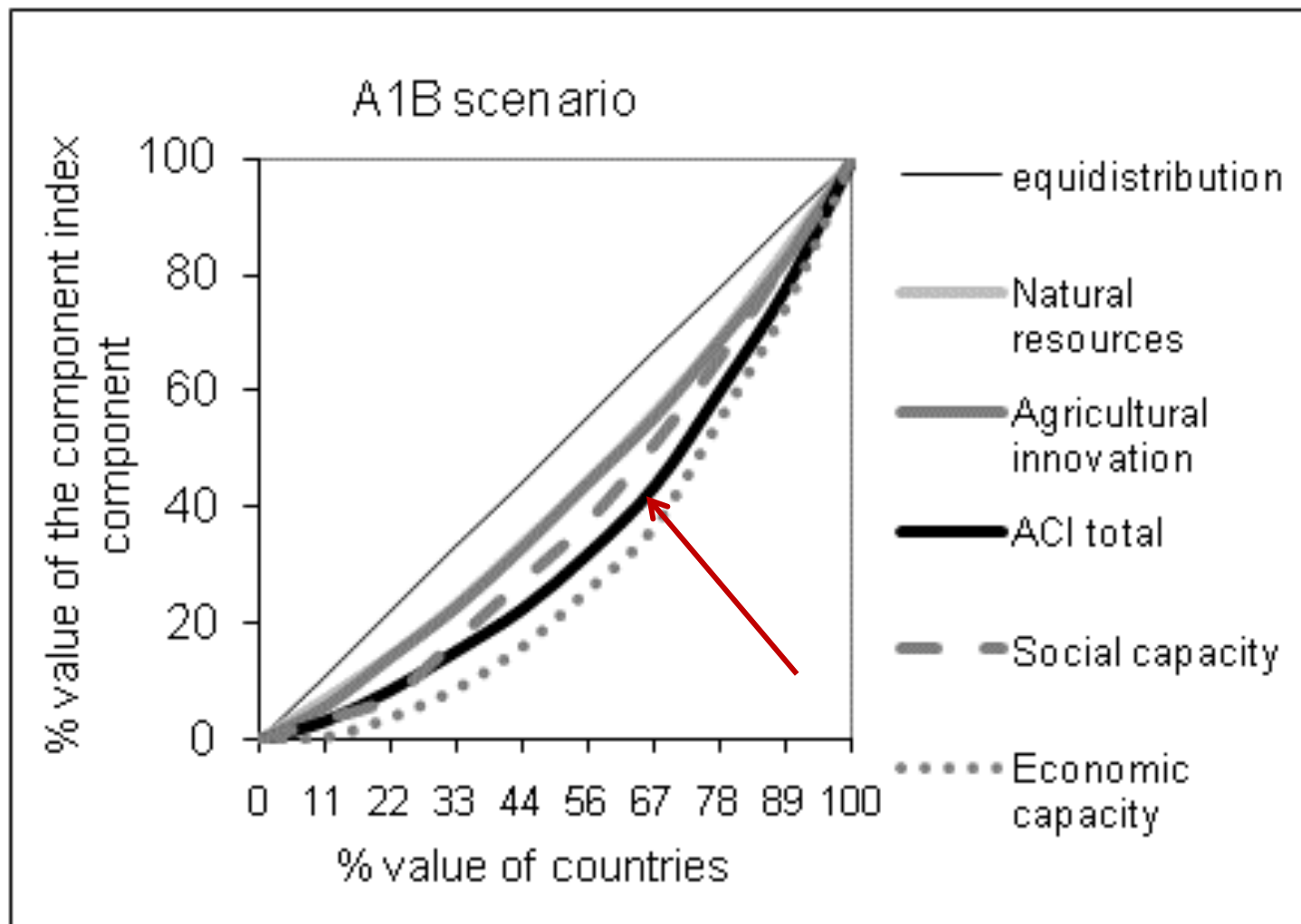
- understanding and reducing vulnerability does not demand accurate predictions
- it is politically difficult to justify vulnerability reduction on economic grounds

(an academic of view, some thoughts and some examples)



Adaptive capacity: components





Gini coefficient – Lorenz curves



available at www.sciencedirect.com



journal homepage: www.elsevier.com/locate/envsci



Re-thinking water policy priorities in the Mediterranean region in view of climate change

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Towards Adaptation to Climate Change: Water for Rice in the Coastal Wetlands of Doñana, Southern Spain

**Ana Iglesias¹ • Berta Sánchez¹ • Luis Garrote² •
Iván López³**

Science of the Total Environment xxx (2015) xxx–xxx



Contents lists available at ScienceDirect

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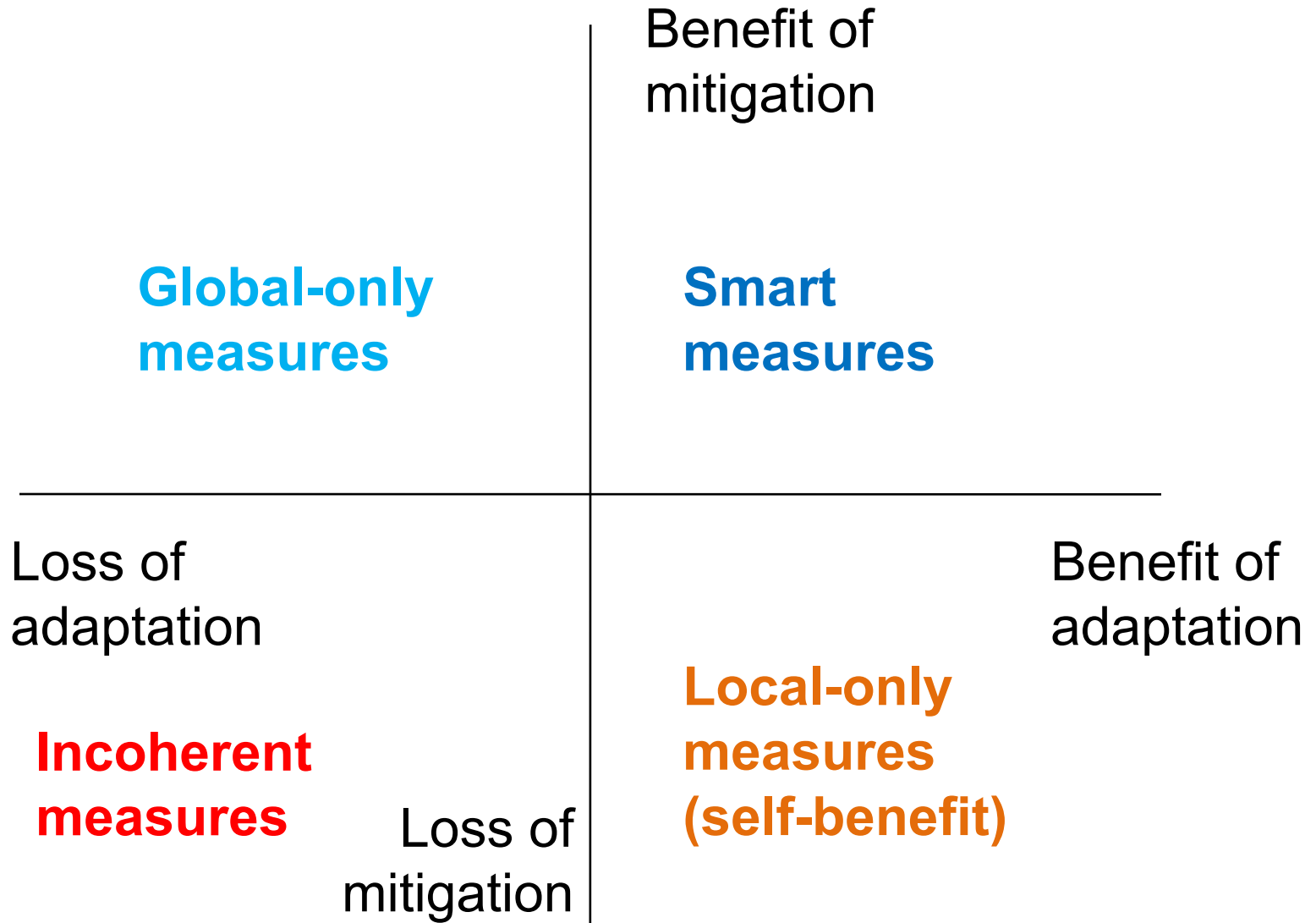
journal homepage: www.elsevier.com/locate/scitotenv



Strategies to reduce water stress in Euro-Mediterranean river basins[☆]

Luis Garrote^a, Alfredo Granados^a, Ana Iglesias^{b,*}





2 assertions

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- it is politically difficult to justify vulnerability reduction on economic grounds

(an academic of view, some thoughts and some examples)

Thank you!



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