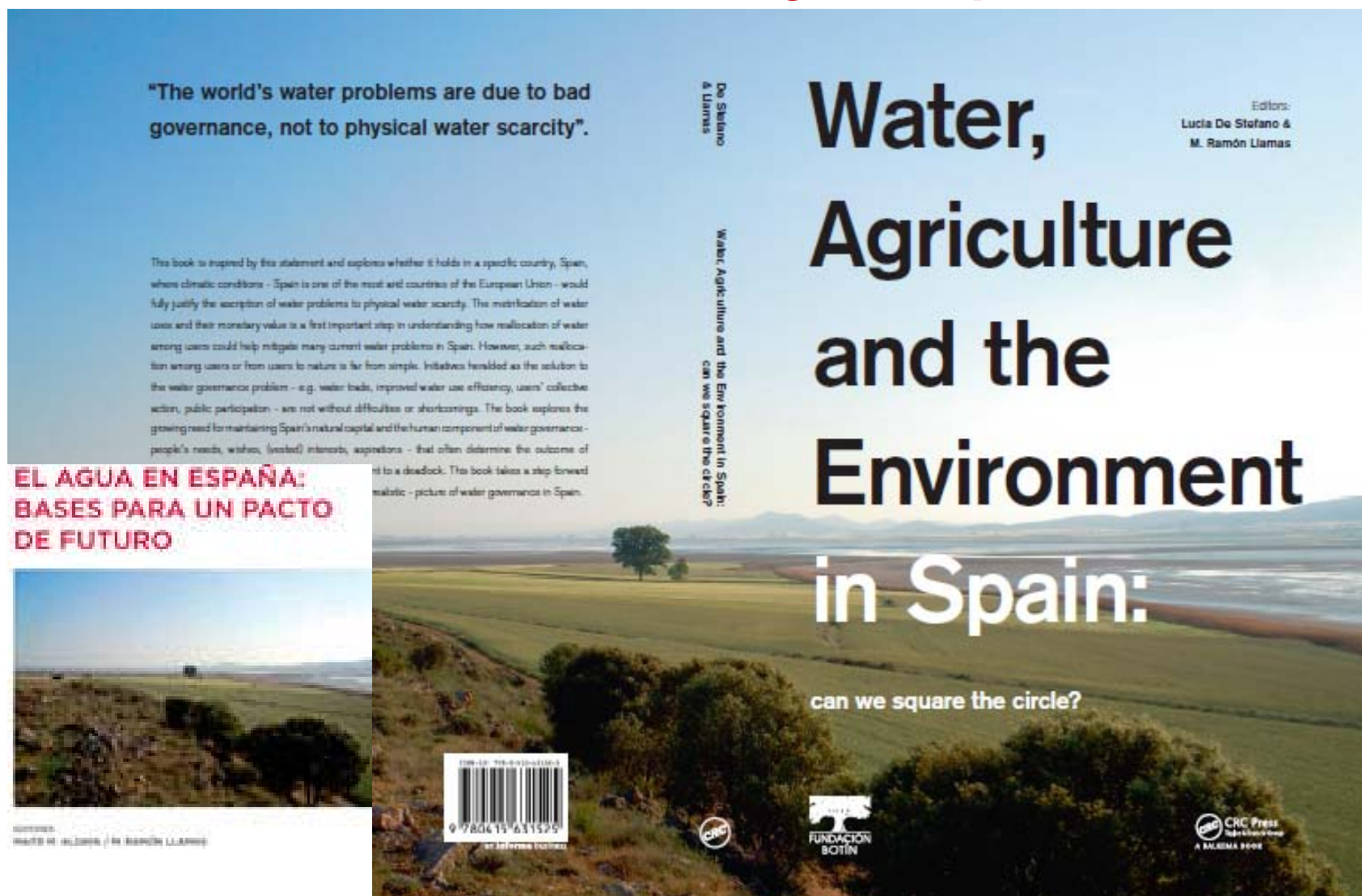


7TH SHORT BOTIN FOUNDATION WATER WORKSHOP
Madrid, July 1st 2013

Outlook of Spain from the Water Observatory

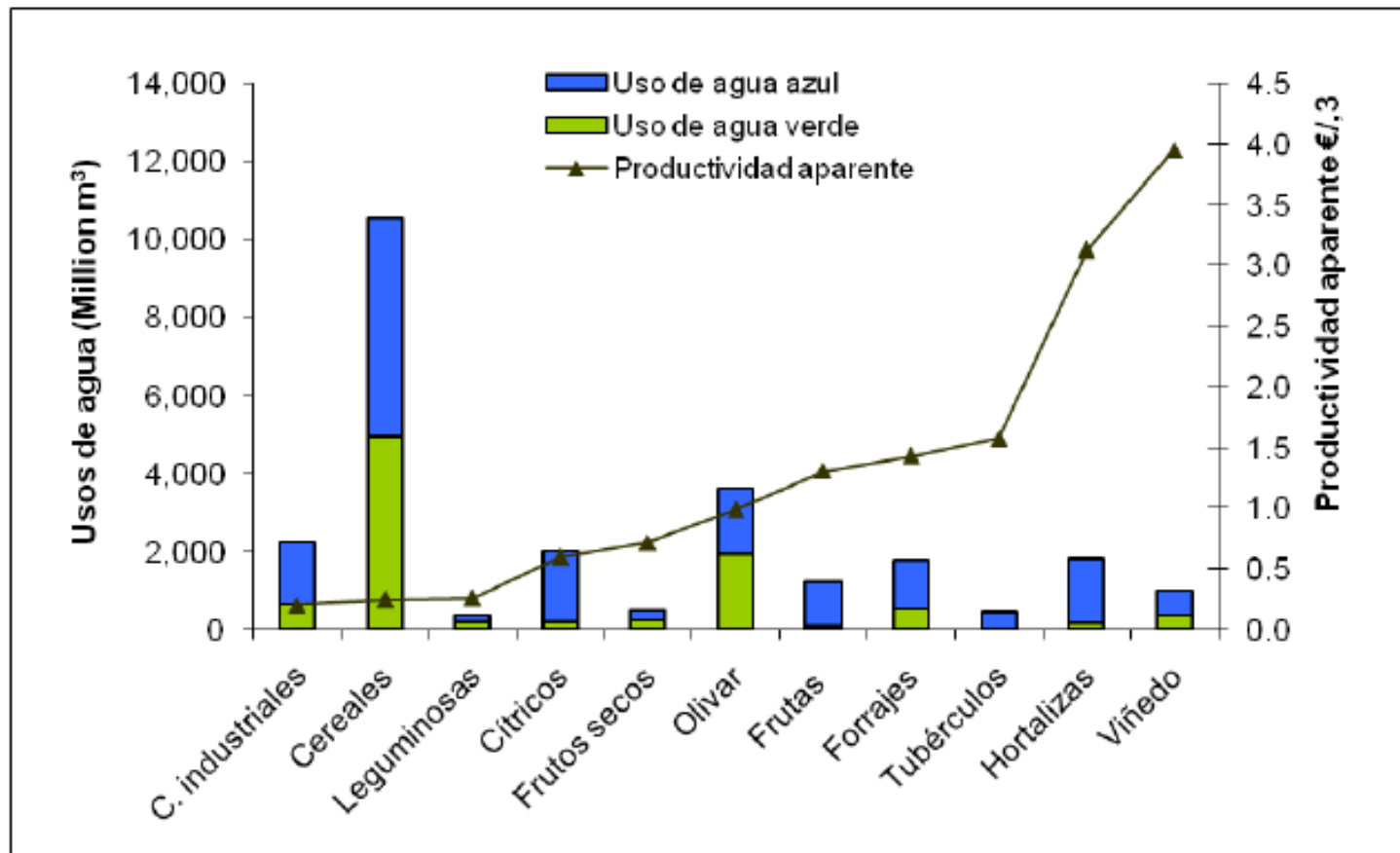
Lucia De Stefano
Water Observatory
Botín Foundation

The Water Observatory in Spain



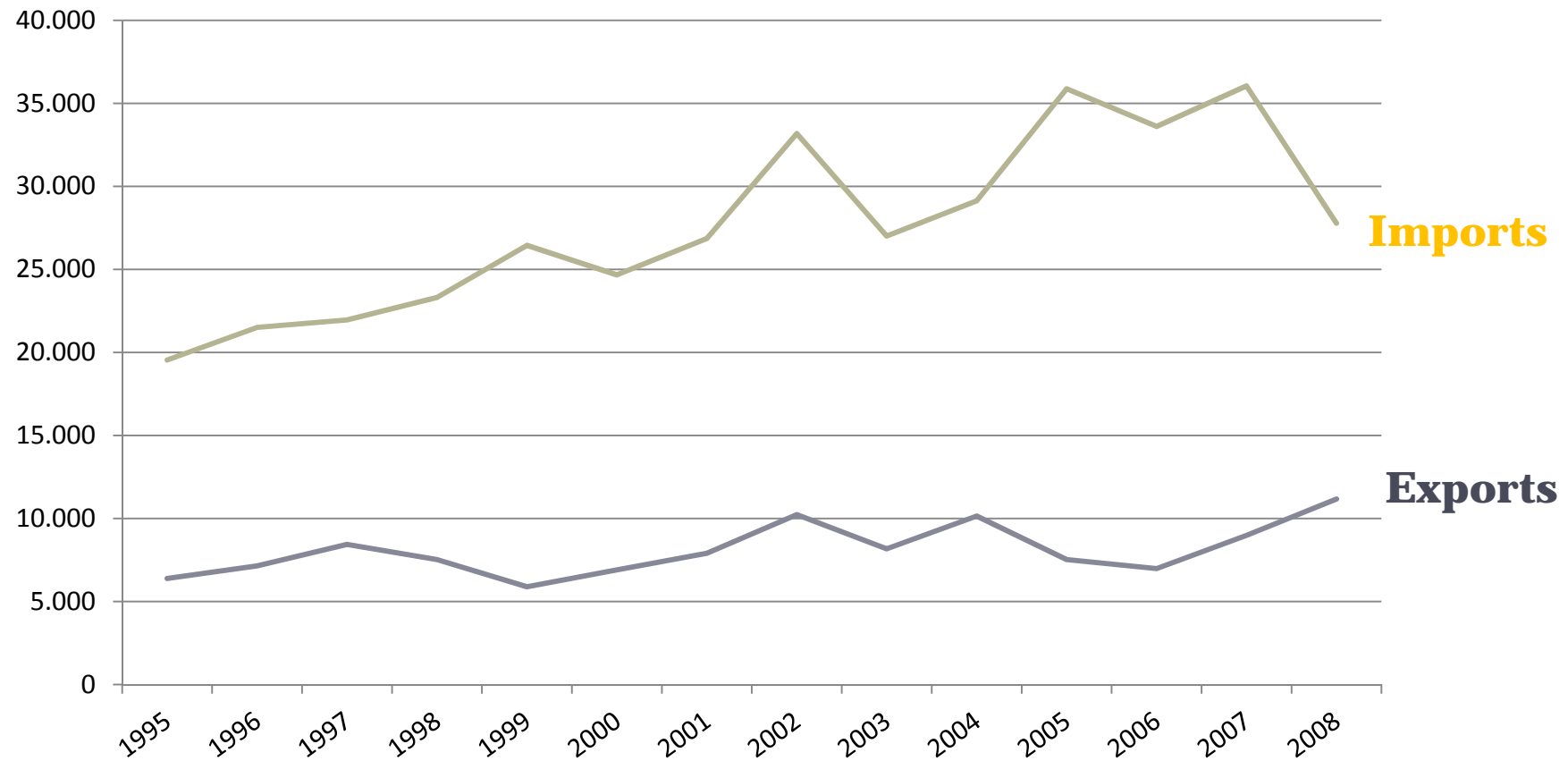
http://www.fundacionbotin.org/water-observatory_trend-observatory.htm

Water accounting: blue, green and grey water



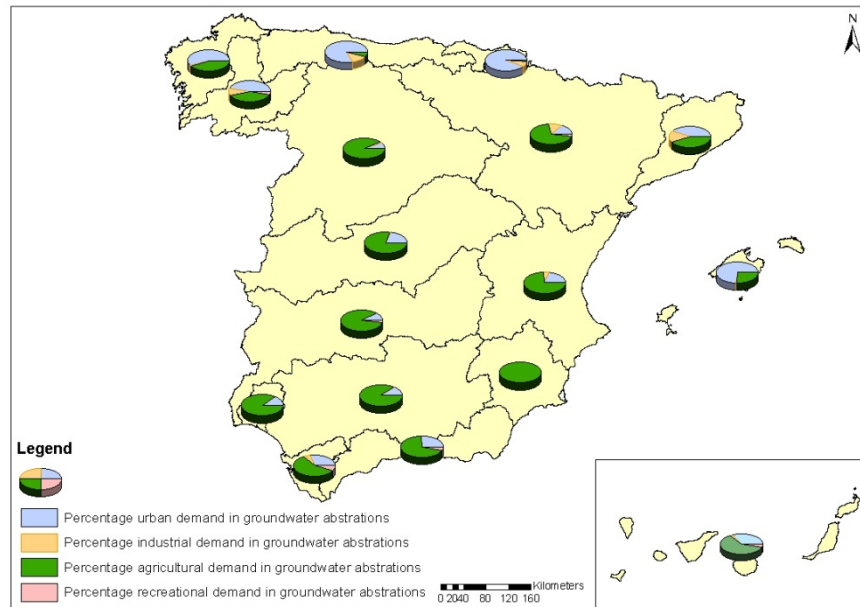
Fuente: Garrido, Llamas, Varela-Ortega, Novo, Rodríguez Casado, Aldaya (2010)

The role of virtual water trade



Source: Chico & Garrido (2012)

The role of groundwater



7,000 MCM/yr or
1/3 of the overall water demand



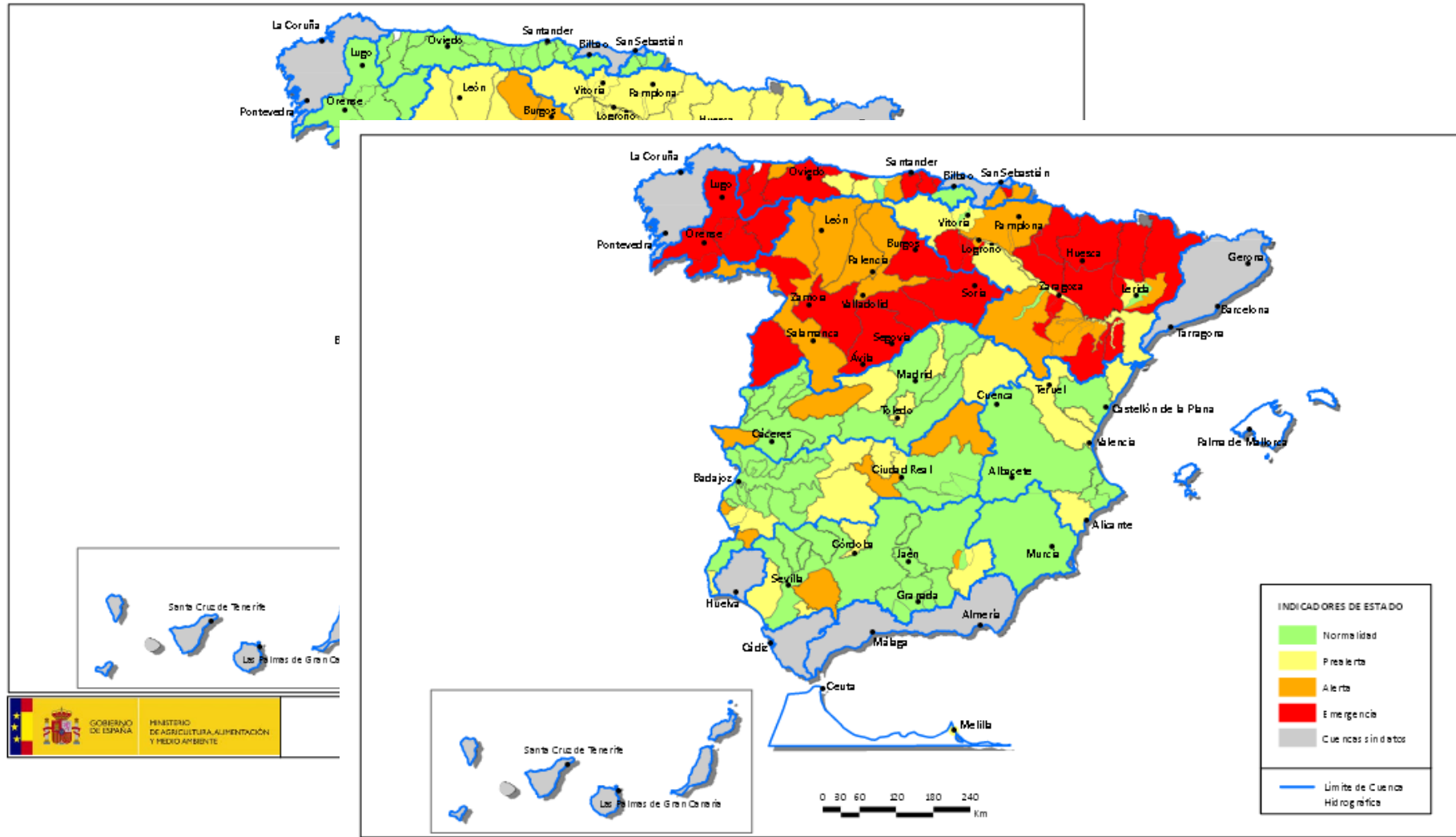
1 Mha. irrigated with GW
GW irrigation production: 4,700
Meur (30% of overall)

Transparency in water management

Thematic area	Average score 2010 (%)	Average score 2011 (%)
Information about the River Basin Authority	72	86
Relationships with the public and stakeholders	58	56
Transparency in the planning process	88	80
Transparency on water use and management	32	47
Economic and financial transparency	35	44
Transparency in contracts and tenders	48	52
Overall average	51	60

Source: based on results available at <http://www.transparencia.org.es>

Extreme water events



The water quality challenge



Final remarks

- Some reallocation is needed for releasing current pressure on the environment and for new uses
- Moving away from nested positions (“this water is mine”) or water as a political “weapon”
- Need to know the actual water consumption and its economic, environmental and social value
- Need to find formulas that make reallocation acceptable for all the parties
- Transparency and accountability in decisions and public spending

Thank you for your attention

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