

IV Euro-Mediterranean Ministerial Conference on Water

Informal Open Technical Workshop

« **Water in Mediterranean countries:
problems and solutions** »

*Session 4: « Challenges and objectives in the
Mediterranean Region »*

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Barcelona (Spain) – 12 April 2010

A map of the Mediterranean region, showing the Mediterranean Sea, the Iberian Peninsula, the Italian Peninsula, and the Balkans. The map is overlaid with a grid and colored in shades of green and yellow, indicating different geographical or climatic zones. The text is overlaid on the map.

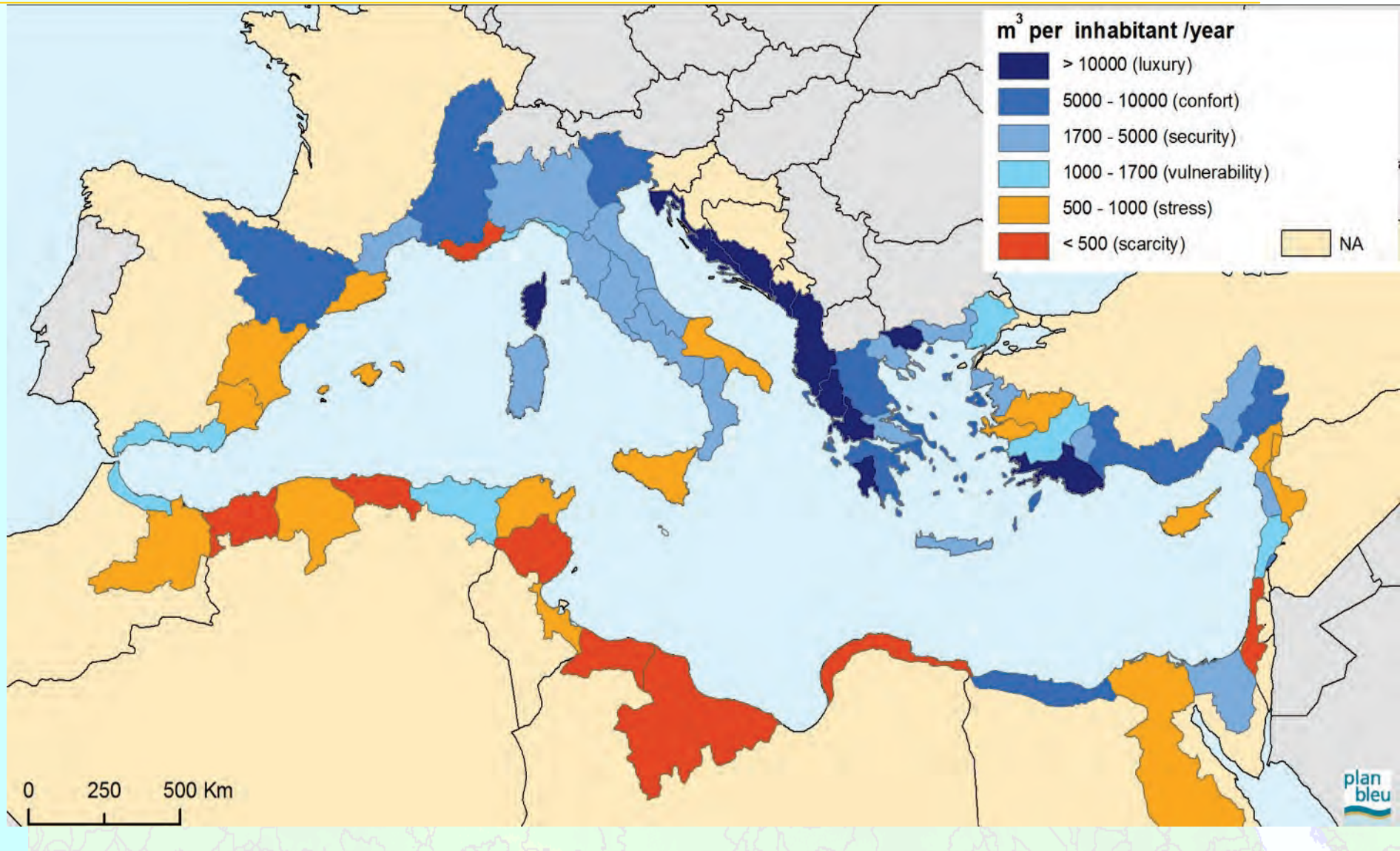
The Mediterranean region is an original and an unique eco-region

- ✓ **Unequal distribution of renewable natural water resources (time and space)**
- ✓ **Effect very pronounced by the climatic extremes (flood and drought)**
- ✓ **Demographic pressure and economic and social development**

Key numbers

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- ✓ **180 millions < 1 000 m³/year/hab**
 - ✓ **60 millions < 500 m³/year/hab**
 - ✓ **Agricultural sector: 50-95%**
 - ✓ **Industrial sector: approx. 25%**
 - ✓ **Water supply: approx. 10-15%**

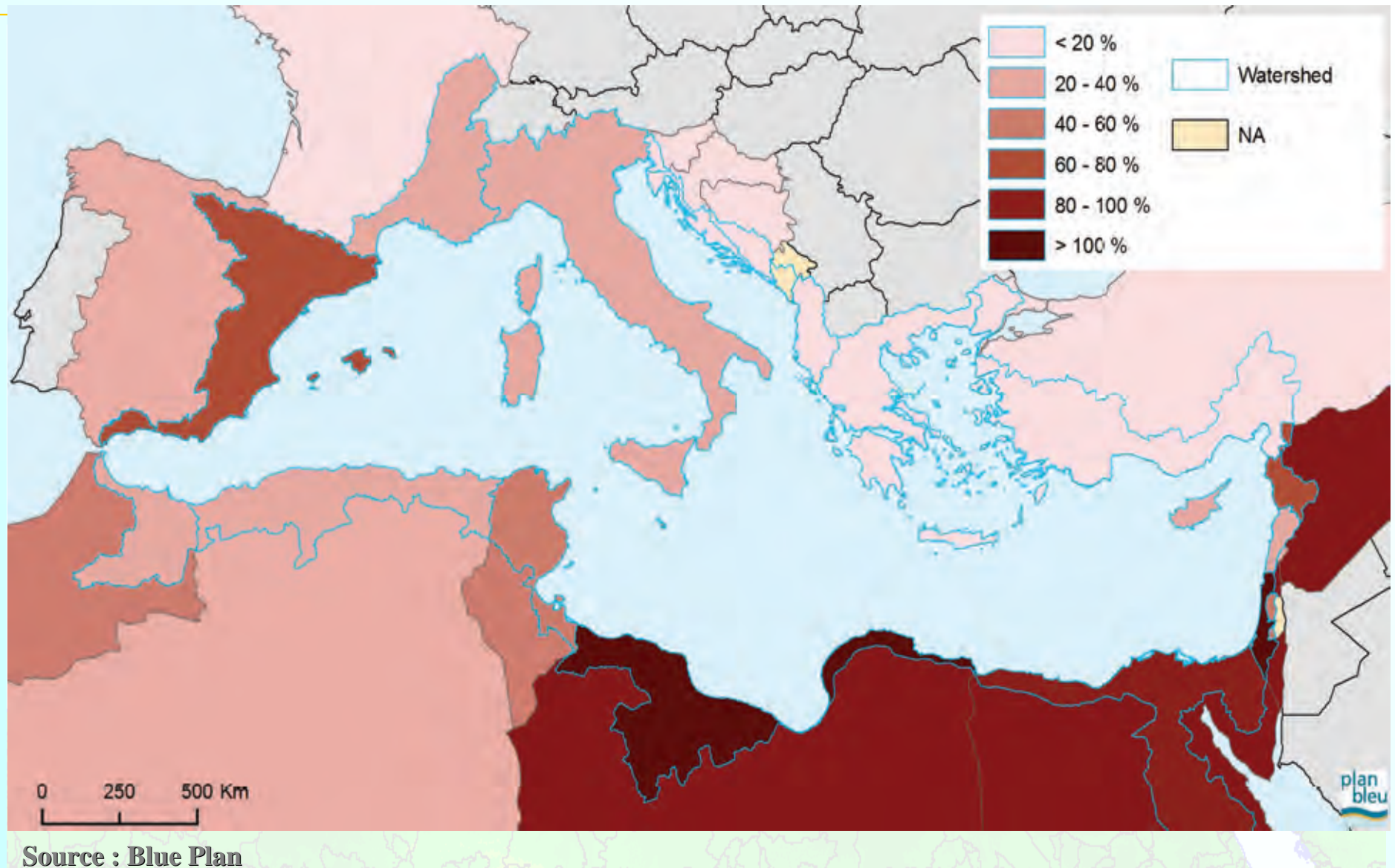
Renewable Fresh Water Resources per inhabitant in Mediterranean elementary river basins (between 1995-2005)



Source : Blue Plan from national sources

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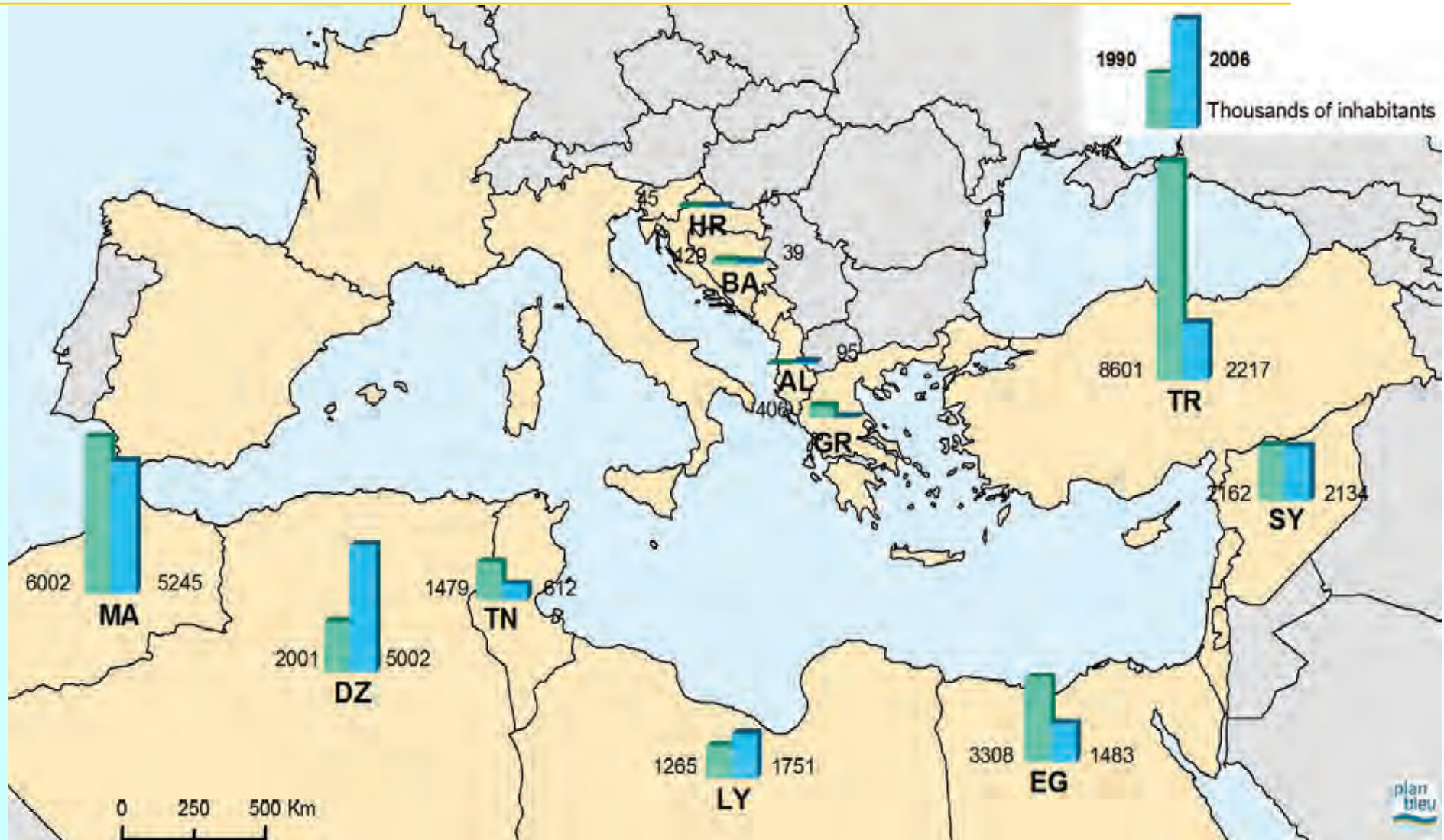
Exploitation index of renewable natural water resources, at national and river basin level, 2005 (in %)



Source : Blue Plan

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Population without access to drinking water, 1990-2006




Source : Blue Plan

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Main problems

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- ✓ **Excessive use and inefficiency**
 - ✓ **No adequacy between availability of the resource and agricultural policies**
 - ✓ **Degradation of the quality**

Management policies

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- ✓ **Adaptation to the variability and to scarcity**
 - ✓ **Management by the offer**
 - ✓ **Management based on the demand**

Objectives

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- ✓ **Planning of water management to be integrated in policies of economic and environmental development**
 - ✓ **Development of a new approach for the agricultural sector**
 - ✓ **Implementation of more consequent modes of governance**

Solutions



✓ **Integration of non conventional resources**

✓ **More local management**

✓ **Covering of costs**

Accompanying measures



✓ **Bilateral cooperation**

✓ **Regional cooperation**

Regional cooperation

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- ✓ **Conference of Turin 1999: MEDA Water Programme**
 - ✓ **Xth Anniversary of Barcelona Process 2005:**
 - **ENPI**
 - **Horizon 2020**
 - ✓ **Political process of the Union for the Mediterranean (UfM) – July 2008**

Thank you for your attention!

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