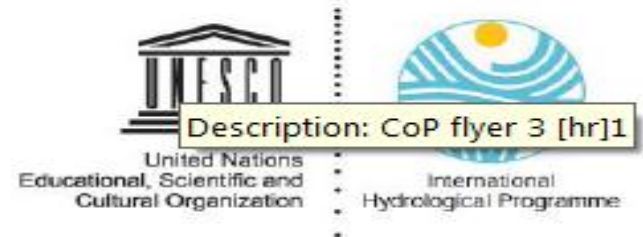


Wrap-up / conclusions session



**Second Learning Workshop for
GEF MENARID Project Managers
“Opportunities for Managed Aquifer Recharge”
11-13 December 2012**

MAIN MESSAGES (1)

1. Buffering and land use change are ancient answers to crises. It are behavioural changes!
2. Groundwater is increasingly being used wisely as buffer. MAR-Menarid examples are an excellent proof of this statement.
3. Still a lot of work has to be done concerning both downscaling and upscaling of MAR-implementation.
4. Exchanges like our event are an excellent tool to enhance future cooperation and the exchange of practical results and research experiences.

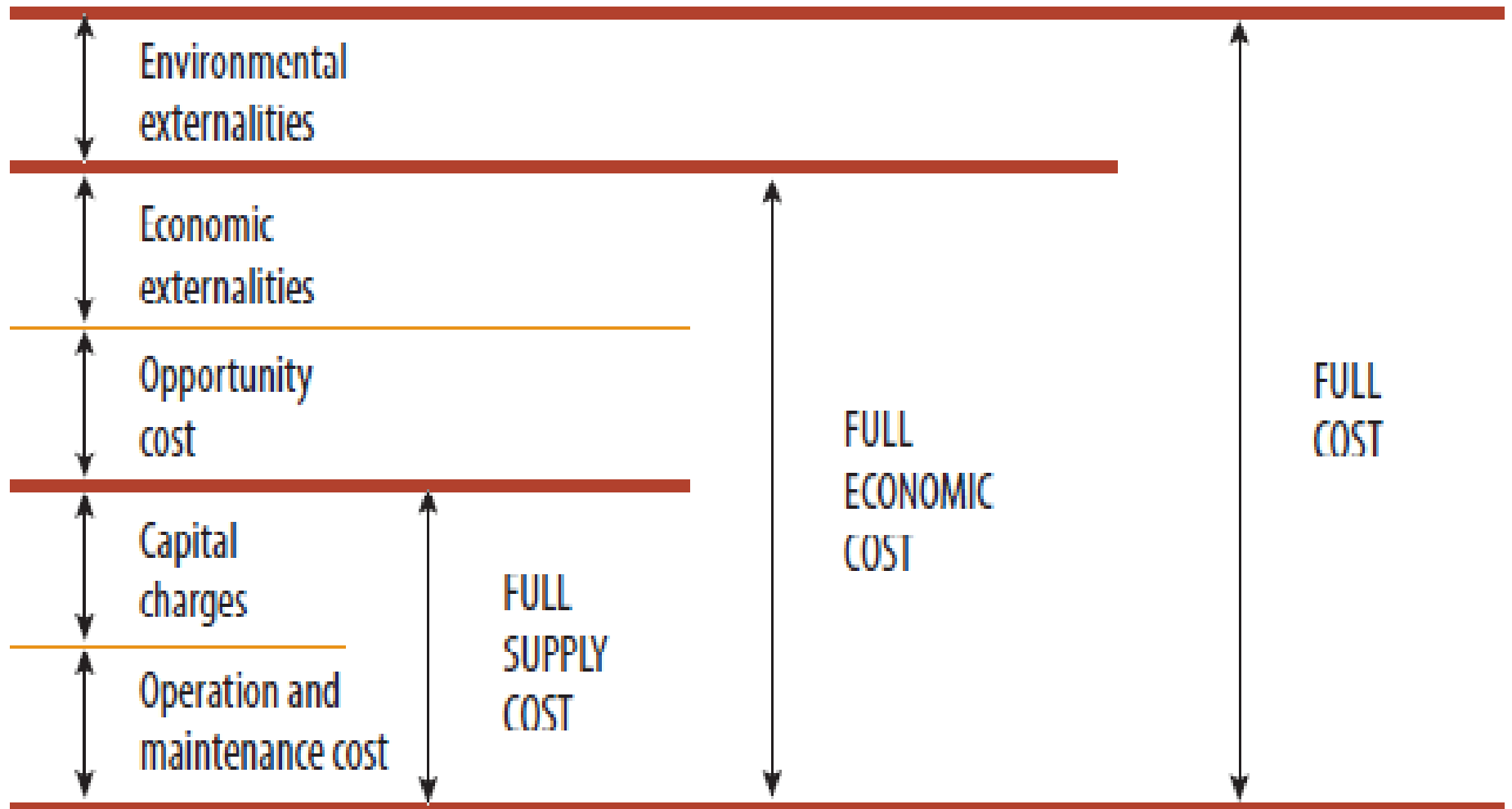
MAIN MESSAGES (2)

5. MAR-technology is well developed and will develop itself to further maturity combining conventional and modern methods. General guidelines are available and being updated. Improved effective and efficient exchange mechanism on national and international levels are needed especially concerning societal acceptance or integration of MAR.
6. Main scientific questions focus on (a) water quality issues, (b) optimization of water balancing, (c) planning and monitoring and (d) integration of technical, socio-economic, institutional and participation issues (=governance). Tailormade solutions are needed within generic frameworks.

MAIN MESSAGES (3)

7. Downscaling means bringing practical solutions to the lowest levels in a watershed (individual plants and trees and people), upscaling to the highest levels of the watershed (transboundary if needed). Integration of the two processes is an important challenge to increase the speed of success.
8. Cost effectiveness and cost recovery are important issues: especially in groundwater/MAR-issues full cost analysis (including long term development / sustainability issues) is needed.
9. The Sept 2014 Marrakesh IAHR conference is a good forum to present results of the down&upscaled processes following our workshop (www.IAHR2014.org).

Components of the Full Cost of Water



Source: Agarwal et al. 2000.