

MyWater

Merging Hydrologic models and EO data for reliable information on Water

IN A DRY WORLD, MAKING THE MOST OF SCARCE WATER RESOURCES

21st century reality sees 2.5 billion people without adequate access to water, whilst climate changes lead to dramatically changing water resources needs. The MyWater project responds to these challenges, implementing a new information platform that combines different types of information to better assess hydrological processes.

Throughout the world, population growth, expansion of irrigated agriculture, climate change and economic development drive important changes in land use. Such changes impact the three watershed variables - evapotranspired water, biomass production and soil organic matter content. Therefore, reliable assessment of the consequences of land use changes requires the capability to integrate the effect of these variables.

Such information is valuable for decision makers, who are aware that water availability is essential for socio-economic activities, and that citizens expect necessary measures to be taken in order to assure availability of water for human production and consumption.

The MyWater project is set to provide such critical information through the implementation of an information platform that will combine different types of information, taking into account the watershed variables, in order to assess hydrological processes and phenomena in the challenging context of enhanced crop water demand and limited water supply for irrigation and consumption purposes.

In doing so, the project will develop a water management system that integrates satellite data models and in situ data, improving knowledge and enhancing forecasting capabilities, whilst at the same time optimizing the cost/benefit ratio for water resources monitoring.

In the future, hydrological changes will influence all citizens, and authorities will need more reliable information to adapt to the new situation. MyWater provides an important information tool in support of this challenge.



PAULO GOMES
IS PROJECT COORDINATOR

QUESTIONS & ANSWERS

What do you want to achieve with this project?

With MyWater every local user will have easy access to accurate and accessible tools or services to support informed decision making in the field of water usage. It's generalized usage will play a major role in relation to the final goal of achieving the good ecological status of water bodies.

Why is this project important for Europe?

In the framework of the WFD the European countries are now implementing River Basin Districts Management Plans to provide water managers with tools to help them in having a global view of basin problems and best solutions. MyWater can give a major contribution on this matter.

How does your work benefit European citizens?

MyWater will support European citizens by providing accurate and accessible tools and services to support water managing in Europe achieving at the same time a good ecological balance and without compromising on local human activities.



flowering of dandelions over mountain lake © Julia Britvich - Fotolia.com

MyWater implements an information platform devoted to providing reliable information on water quantity, quality and usage for appropriate water management.

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LIST OF PARTNERS

- GMVIS Skysoft SA, Portugal
- Instituto superior técnico, Portugal
- Hidromod modelacao em engenharia LDA, Portugal
- UNESCO-IHE Institute for Water Education, The Netherlands
- Hydrologic research BV, Netherlands
- Joint Research Centre - European Commission, EU
- Instituto nacional de pesquisas espaciais, Brazil
- Pannon egyetem, Hungary
- Αριστοτελειο πανεπιστημιο θεσσαλονικης, Greece
- Universidade eduardo mondlane, Mozambique

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PROJECT INFORMATION

Merging Hydrological models and EO data for reliable
information on Water (MyWater)

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