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Water as a resource – Simultaneous comparison of abundance and deficiency worldwide

Jovan Dimishkovski, Nikola Dimishkovski and Biserka Dimishkovska
Brandenburg University of Technology, Germany

This paper presents a very up-to-date topic about water as a resource. Water is described as something whose abundance or deficiency should be critically examined. An important emphasis is put on approaches to seawater desalination and drinking water supply in arid areas. Finally, a summary of the selected topic is given. It is generally known that water is the source of life and that it plays a crucial role in everyday life, economy and industry. All in all, the development of human civilization is inextricably linked to water. At the same time, ground water is a drinking water dispenser and habitat. It is important for people as well as for the economy. We use water for nutrition, daily hygiene, our leisure activities, etc. Water is also a major factor in economy as an energy source, transport medium and raw material. Sustainable use and biodiversity are important prerequisites for effective protection of the water resources. For these reasons, the exploration of the chosen subject in this paper has been devoted to the most decisive factors referring to the water resources. For example, the global climate changes worldwide, the population growth and the industrialization of the developing countries. In this paper, several water-related problems are treated. First, the importance of water in our lives is presented. Then, it is gone deeper into the focus on global overflow and water deficiency. Second, a few approaches to seawater desalination and drinking water supply in arid areas are presented. In addition, water policies in the water sector are analyzed and an outlook for the future is given. In the conclusion, a summary of the results is presented.

Recent Publications

1. Blue Responsibility - Initiative des VDMA Fachverband Armaturen und des Industrie Forum Sanitär (2012): Wasserpreise Industrienationen.
2. Deutsche UNESCO-Kommission (2014): Weltwasserbericht 2014 – Zusammenfassung.
3. Grambow, M. (2013): Nachhaltige Wasserbewirtschaftung – Konzept und Umsetzung eines fernünftigen Umgangs mit dem Gemeingut Wasser, Wiesbaden: Springer Vieweg & Taubner Verlag.
4. LWG Lausitzer Wasser GmbH & Co. KG (2017): Trinkwasserpreise und Vertragsbedingungen.
5. Schneckener, U., von Scheliha, A., Lienkamp, A. & Klagge, B. (2014): Wettstreit um Ressourcen - Konflikte um Klima, Wasser und Boden, München: Oekom Verlag, Gesellschaft für ökologische Kommunikation mbH.

Biography

Jovan Dimishkovski is in the last year of his second bachelor's studies, doing a specialization in the field of Environmental Engineering and Ecology at the Technical University in Cottbus, Germany. He has participated in the organization, planning and negotiation of projects and conferences such as XIX International Eco Conference (Novi Sad, Serbia, 2015), International Symposium on Tourism and Sustainable Development (Timisoara, Romania, 2014), Wastewater Congress (Istanbul, Turkey, 2013) and he has participated in research and construction projects such as eco-lawnmowers, elevator construction and design, fish-climbing systems - historical and current development, were successfully completed.

dimisjov@b-tu.de

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