

# Accepted Manuscript

System integration is a necessity for sustainable development

Krzysztof Urbaniec, Hrvoje Mikulčić, Yutao Wang, Neven Duić



PII: S0959-6526(18)31524-5

DOI: [10.1016/j.jclepro.2018.05.178](https://doi.org/10.1016/j.jclepro.2018.05.178)

Reference: JCLP 13035

To appear in: *Journal of Cleaner Production*

Received Date: 13 February 2018

Revised Date: 19 May 2018

Accepted Date: 21 May 2018

Please cite this article as: Urbaniec K, Mikulčić H, Wang Y, Duić N, System integration is a necessity for sustainable development, *Journal of Cleaner Production* (2018), doi: 10.1016/j.jclepro.2018.05.178.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

## System Integration is a Necessity for Sustainable Development

Krzysztof Urbaniec<sup>1</sup>, Hrvoje Mikulčić<sup>2</sup>, Yutao Wang<sup>3</sup>, Neven Duić<sup>2</sup>

<sup>1</sup>*Faculty of Civil Engineering, Mechanics and Petrochemistry, Warsaw University of Technology, Jachowicza 2/4, 09-402 Plock, Poland,*

*E-mail: k.urbaniec4@upcpoczta.pl*

<sup>2</sup>*Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb, Ivana Lučića 5, 10000 Zagreb, Croatia,*

*E-mails: hrvoje.mikulcic@fsb.hr, neven.duic@fsb.hr*

<sup>3</sup>*Fudan University, Shanghai, China,*

*E-mail: yutaowang@fudan.edu.cn*

### Highlights

- Three systems are of strategic importance to sustainable development.
- These three systems are energy, water, and environment.
- Integration of these systems is a necessity for a sustainable development.

### Abstract

Following the 2015 Paris Agreement, the main challenge for world economies nowadays is to commit themselves to long-term reforms aimed at increasing and promoting sustainable, inclusive and balanced development. An adequate response to this challenge will certainly require using the best available scientific knowledge and constant re-evaluation of the development process in light of the scientific findings. To ensure that the sciences are responsive to the emerging needs and to address sustainable development issues. This Virtual Special Issue of the Journal of Cleaner Production is dedicated to both Sustainable Development of Energy, Water and Environment Systems 2016 Conferences – 2nd South East European Sustainable Development of Energy, Water and Environment Systems Conference and 11th Sustainable Development of Energy, Water and Environment Systems Conference. The Virtual Special Issue is focused on four main fields: Energy issues, Water issues, Environmental engineering and management, and

Download English Version:

<https://daneshyari.com/en/article/8093904>

Download Persian Version:

<https://daneshyari.com/article/8093904>

[Daneshyari.com](https://daneshyari.com)