



SIM4NEXUS

D7.5 RESEARCH ARTICLES INVENTORY M13-M30

1

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 689150 SIM4NEXUS



PROJECT	Sustainable Integrated Management FOR the NEXUS of water-land-food-energy-climate for a resource-efficient Europe (SIM4NEXUS)
PROJECT NUMBER	689150
DELIVERABLE	WP7 D7.5: RESEARCH ARTICLES INVENTORY M13-M30
WP NAME/WP NUMBER	WP7
TASK	Task 7.8 Coordination, monitoring and adaptation
VERSION	Version 1
DISSEMINATION LEVEL	Public
DATE	28 September 2018 (this version) re 30 November 2018 (M30, Date of delivery)
LEAD BENEFICIARY	PIK, FT
AUTHOR(S)	Christine Mataushek, Tobias Conradt
ESTIMATED WORK EFFORT	0.05 PM (estimated)
REVIEWER	Guido Schmidt
COMMENTS	

Document history

VERSION	INITIALS/NAME	DATE	COMMENTS-DESCRIPTION OF ACTIONS
0a	Christine Mataushek	21/09/2018	Internal Draft version
0B	Guido Schmidt	24/09/2018	Review
0C	Christine Mataushek	28/09/2018	Revised draft
0D	Guido Schmidt	28/09/2018	Draft for final validation by PIK
1	GUIDO SCHMIDT	28/09/2018	Final version for project coordinator

Contents

Contents.....	4
Executive summary – M30	5
Activities	6
Outcomes and deliverables	7
Deliverables and milestones.....	7
Indicators.....	7
Points for review	7



Executive summary – M30

12 scientific articles have so far been published so far. They are listed below.

Changes with respect to the DoA

There is no change in comparison to the DoA.

Dissemination and uptake

This is a public deliverable which will be uploaded to the project website, and further communicated.

Short Summary of results

12 scientific articles have so far been published.

Evidence of accomplishment

Report

Activities

The following articles have been presented and published, as indicated below. The information refers to:

- Title
- Author
- Magazine
- Year
- DOI or weblink
- Published (yes/no)

Indirect and Direct Thermodynamic Effects of Wetland Ecosystems on Climate Jan Pokorný, Petra Hesslerová, Hanna Huryna, and David Harper Vymazal, J. (eds) Natural and Constructed Wetlands, ISBN 978-3-319-38926-4 2016
https://10.1007/978-3-319-38927-1_7 yes

Large-scale bioenergy production: how to resolve sustainability trade-offs? Florian Humpeöder, Alexander Popp, Benjamin Leon Bodirsky, Isabelle Weindl, Anne Biewald, Hermann Lotze-Campen, Jan Philipp Dietrich, David Klein, Ulrich Kreidenweis, Christoph Müller, Susanne Rolinski and Miodrag Stevanovic Environmental Research Letters 13 (2), 024011 2018
<https://doi.org/10.1088/1748-9326/aa9e3b> yes

Multi-Stakeholder Development of a Serious Game to Explore the Water-Energy-Food-Land-Climate Nexus: The SIM4NEXUS Approach Janez Sušnik, Chengzi Chew, Xavier Domingo, Simone Mereu, Antonio Trabucco, Barry Evans, Lydia Vamvakieridou-Lyroudia, Dragan A. Savić, Chrysi Laspidou and Floor Brouwer Water 2018, 10(2), 139 2018 <https://doi.org/10.1088/1748-9326/aa9e3b> yes

Assessment of Irrigated Agriculture Vulnerability under Climate Change in Southern Italy Sara Masia, Janez Sušnik, Serena Marras, Simone Mereu, Donatella Spano and Antonio Trabucco Water 2018, 10(2), 209 2018
<https://doi.org/10.3390/w10020209> yes

Environmental impact assessment for climate change policy with the simulation-based integrated assessment model E3ME-FTT-GENIE Jean-Francois Mercure, Hector Pollitt, Neil R. Edwards, Philip B. Holden, Unnada Chewpreeth, Pablo Salas, Aileen Lam, Florian Knobloch, Jorge E. Vinuales Energy Strategy Reviews; Volume 20, April 2018, Pages 195-208 2018 <https://doi.org/10.1016/j.esr.2018.03.003> yes

Virtual Crop Water Export Analysis: The Case of Greece at River Basin District Level Nikolaos Mellios, Jason F. L. Koopman and Chrysi Laspidou Geosciences 2018, 8(5), 161 2018 <https://doi.org/10.3390/geosciences8050161> yes

The Water-Energy-Food Nexus: A Fuzzy-Cognitive Mapping Approach to Support Nexus-Compliant Policies in Andalusia (Spain) Pilar Martinez, Maria Blanco and Bente Castro-Campos Water 2018, 10(5), 664 2018
<https://doi.org/10.3390/w10050664> yes

Energy modelling and the Nexus concept Floor Brouwer, Georgios Avgerinopoulos, Dora Fazekas, Chrysi Laspidou, Jean-Francois Mercure, Hector Pollitt,

Eunice Pereira Ramos, Mark Howells Energy Strategy Reviews; Volume 19, January 2018, Pages 1-6 2018 <https://doi.org/10.1016/j.esr.2017.10.005> yes

Livestock and human use of land: Productivity trends and dietary choices as drivers of future land and carbon dynamics Weindl I., Popp A., Bodirsky B. L., Rolinski S., Lotze-Campen H., Biewald A., Humpenöder F., Dietrich J. P. and Stevanović M Global and Planetary Change 159, 1 2017 <https://doi.org/10.1016/j.gloplacha.2017.10.002> yes

The water-land-food-energy-climate Nexus for a resource-efficient Europe Laspidou C., Witmer M., Vamvakieridou L.S., Domingo X., Brouwer F., Howells M., Susnik J., Blanco M., Bonazountas M., Fournier M. and Papadopoulou M.P. 15th International Conference on Environmental Science and Technology (CEST) 2017 https://cest2017.gnest.org/sites/default/files/presentation_file_list/cest2017_00768_oral_paper.pdf yes

Livestock production and the water challenge of future food supply: Implications of agricultural management and dietary choices Weindl I., Bodirsky B. L., Rolinski S., Biewald A., Lotze-Campen H., Müller C., Dietrich J. P., Humpenöder F., Stevanović M., Schaphoff S. and Popp A Global Environmental Change 47, 121 2017 <https://doi.org/10.1016/j.gloenvcha.2017.09.010> yes

Outcomes and deliverables

Deliverables and milestones

Deliverable/milestone	Due	Initiated	In progress	Completed	Final delivery date
D7.5 Research articles inventory M13-M30	M30		X		December 2018

Indicators

Task	Product/ activity	Effort indicator			Impact indicator			
		Name	Target	Reached	Name	Target	Reached	
7.3	Scientific publications	Publications submitted/published	10	12	Nr. of estimated users	5000	N/A	There is no means to count the actual users of sci. pubs.

Points for review

None.