RESEARCH PROGRAM ON
Dryland Systems

CGIAR

2014 Dryland Systems

List of Publications and Research Outputs

Updated: 19 October 2015

Food security and better livelihoods
for rural dryland communities

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LIST OF 2014 PUBLICATIONS AND RESEARCH OUTPUTS BY FLAGSHIP

In 2014, the CGIAR Research Program on Dryland Systems produced 97 published articles (55 indexed by ISI), 4 books, and several policy and technical briefs for a total of 162 knowledge and information products. A clear move towards the examination of new systems approaches is emerging in this body of scientific knowledge, including two strategy papers. We expect the systems approach will generate greater public awareness of agricultural livelihood issues in dryland areas and reshape traditional thinking about key performance determinants of dryland agro-ecosystems and relevant responses to meet challenges faced by rural dryland communities. The following represents an updated summary list of all 2014 publications and research outputs produced by each Dryland Systems Flagship Region.

The following codes have been used:

- (S) = multidisciplinary/system research
- (M) = mono-disciplinary research
- [X.XX]= ISI Impact Factor[1]
- (O) = Open Access

Flagship Region	ISI Factor [range of ISI scores]	ISI Open (% of ISI articles)	ISI Monodisciplinary (% of ISI articles)	ISI Multidisciplinary (% of ISI articles)
WAS	9 [0.537-3.859]	4 (44%)	5 (55%)	4 (45%)
NAWA	22 [0.172 to 2.096]	10 (45%)	15 (68%)	7 (32%)
ESA	9 [0.67-5.993]	6 (67%)	6 (67%)	3 (33%)
CA	5 [0.236-2.978]	0 (0%)	2 (40%)	3 (80%)
SA	10 [0.42-3.476]	3 (30%)	8 (80%)	2 (20%)
TOTAL	55 [0.172-5.993]	24 (44%)	36 (65%)	19 (35%)

Flagship Region	Non-ISI Articles	Book Chapters	Technical Reports & Working Papers	Proceedings	Datasets	Other
WAS	7	1	2			
NAWA	21	2		13		2
ESA	4		10	4	2	18
CA	8	1	2	1	2	
SA	2			1	4	
TOTAL	42	4	14	19	8	20

[1] *For ISI, the JCR Impact Factor List for 2013 has used (https://www.360researchpapers.com/resources/impact-factor, accessed 6 July 2015). For journals not listed, the website of that journal was checked and if it lists an ISI factor, this was recorded.*

A. West African Sahel and Dry Savannas Flagship: 2014 List of Publications and Research Outputs

ISI Journal Articles (9)

1. (S) - (O) Bayala, J., Sanou, J., Teklehaimanot, Z., Kalinganire, A., Ouedraogo, S.J., 2014. Parklands for buffering climate risk and sustaining agricultural production in the Sahel of West Africa. Current Opinion in Environmental Sustainability 6, 28-34. [3.168]

2. (S) Asbjornsen, H., Hernandez-Santana, V., Liebman, M., Bayala, J., Chen, J., Helmers, M., Ong, C.K., Schulte, L.A., 2014. Targeting perennial vegetation in agricultural landscapes for enhancing ecosystem services. Renewable Agriculture and Food Systems 29, 101-125. [1.099]

3. (S) Coulibaly, Y.N., Mulia, R., Sanou, J., Zombre, G., Bayala, J., Kalinganire, A., van Noordwijk, M., 2014. Crop production under different rainfall and management conditions in agroforestry parkland systems in Burkina Faso: observations and simulation with WaNuLCAS model. Agroforestry Systems 88, 13-28. [1.373]

4. (M) Doamba S, Savadogo P, Nacro HB. 2014. Effects of burning on soil macrofauna in a savanna-woodland under different experimental fuel load treatments. Applied Soil Ecology 81:37-44 [2.106]

5. (M) - (O) Dayamba SD, Santi S, Savadogo P. 2014. Improving seed germination of Sudanian savanna-woodland species: effects of fire-related cues (heat and smoke) and sulphuric acid. Journal of Tropical Forest Science 26(1): 16–21 [0.537]

6. (M) - (O) Yelemou B., Savadogo P., Traore S., Millogo-Rasolodimby J. & Hien V 2015. - Floristic diversity of Piliostigma asssociations in relation to latitudinal gradient, soil and climate variables in Burkina Faso, West Africa. Tropical Ecology 56(1): 57-76 [0.708]

7. (M) Ky-Dembele, C., Tigabu, M., Bayala, J., Oden, P.C., 2014. Inter- and intra-provenances variations in seed size and seedling characteristics of Khaya senegalensis A. Juss in Burkina Faso. Agroforestry Systems 88, 311-320. [1.373]

8. (S) - (O) Tobella, A.B., Reese, H., Almaw, A., Bayala, J., Malmer, A., Laudon, H., Ilstedt, U., 2014. The effect of trees on preferential flow and soil infiltrability in an agroforestry parkland in semiarid Burkina Faso. Water Resources Research 50, 3342-3354 [3.149]

9. (M) Ratnadass, A; Kadi-Kadi, H; Salha, H Mato, A; Idrissa, A; Hamidine, S; Oumarou, I; Fatondji, D (2014). Are pest regulation and erosion alleviation services conflicting or

synergistic? Lessons from Sahel pearl millet. Agriculture, Ecosystems and Environment, 186. pp. 144-147. ISSN 0167-8809 [3.859]

Non-ISI Journal Articles and Theses (7)

1. Arinloye, D.D.A., Pascucci, S., Linnemann, A.R., Coulibaly, O.N., Hagelaar, G. and Omta, O.S. 2014 Marketing Channel Selection by Smallholder Farmers. Journal of Food Products Marketing, 21:337-57, 2015.

2. Ayantunde, A.A, Blummel, M., Grings, E. and Duncan, A.J. 2014. Price and quality of livestock feeds in suburban markets of West Africa's Sahel: Case study from Bamako, Mali. Revue d'élevage et de médecine vétérinaire des pays tropicaux 67 (1):13-21.

3. Ayantunde, A.A., Asse, R., Said, M.Y. and Fall, A. 2014. Transhumance pastoralism, sustainable management of natural resources and endemic ruminant livestock in the sub-humid zone of West Africa. Environment, Development and Sustainability 16:1097-1117.

4. Coulibaly-Lingani P, Tigabu M, Savadogo P, Oden P.C. 2014. Participatory forest management in Burkina Faso: members' perception of performance. Journal of Forestry Research 25 (3): 637−646.

5. Degrande A. and D.D.A Arinloye (2014), Gender in agroforestry: Implications for Action-Research, in F.Bojang, A. Ndeso-Atanga (Eds) Enhancing gender equality in the management of Africa's natural resources, Nature & Faune Journal, Volume 29 , Numéro 1, 7-12.

6. Degrande A. et D.D.A Arinloye (2014), La parité hommes-femmes dans le secteur agroforestier: Incidences pour la recherche-action, in F.Bojang, A. Ndeso-Atanga (Eds) Améliorer l'égalité entre les sexes dans la gestion des ressources naturelles de l'Afrique, La Revue Nature & Faune, Volume 29, Numéro 1, 7-12.

7. Doamba, S.W.M.F., Savadogo, P., Nacro, H.B. 2014 Rôle des feux de savane sur les caractéristiques biogéochimiques des sols en zone soudanienne du Burkina Faso. International Journal of Biological and Chemical Sciences 8 (2) p777-793.

Book Chapters (1)

1. Savadogo P. 2014. Sahelian bocage: an integrated conservation agriculture with tree approach in Burkina Faso In Trees and resilience: An assessment of the resilience

provided by trees in the drylands of Eastern Africa Edited by Jan de Leeuw, Mary Njenga, Bob Wagner and Miyuki Iiyama. ISBN: 978-92-9059-352. Nairobi, Kenya. ICRAF 166 pp.

Technical Reports and Working Papers (2)

1. Amole, T.A. and Ayantunde, A.A. 2014. Assessment of existing and potential feed resources to improve livestock productivity in dryland areas of Niger. ILRI Project Report. Nairobi, Kenya: ILRI. https://cgspace.cgiar.org/handle/10568/59825

2. Amole, T.A. and Ayantunde, A.A. 2014. Assessment of existing and potential feed resources to improve livestock productivity in the dryland areas of Burkina Faso. ILRI Project Report. Nairobi, Kenya: ILRI. https://cgspace.cgiar.org/handle/10568/59823

B. North Africa and West Asia Flagship: 2014 List of Publications and Research Outputs

ISI Journal Articles (22)

1. (M) Ababneh, H.S., Ababneh, M.M., Hananeh, W.M., Alsheyab, F.M., Jawasreh, K.I., Al-Gharaibeh, M.A., Ababneh, M.M., 2014. Molecular identification of chlamydial cause of abortion in small ruminants in Jordan. Tropical Animal Health and Production 46, 1407-1412. [1.09]

2. (M) Abbeddou, S., Rischkowsky, B., Hilali, M.E., Haylani, M., Hess, H.D., Kreuzer, M., 2015. Supplementing diets of Awassi ewes with olive cake and tomato pomace: on-farm recovery of effects on yield, composition and fatty acid profile of the milk. Tropical Animal Health and Production 47, 145-152. [1.09]

3. (M) Akkari, H., Rtibi, K., B'chir, F., Rekik, M., Darghouth, MA., Gharbi, M. 2014. In vitro evidence that the pastoral Artemisia campestris species exerts an anthelmintic effect on Haemonchus contortus from sheep. Veterinary Research Communication. [1.076]
http://link.springer.com/search?query=Akkari&search-within=Journal&facet-journal-id=11259

4. (S) - (O) Attia W., Tarhouni M., Ouled Belgacem A., Gammar O. & Khatteli H. In press. 2013. Vegetation dynamics under variable conditions in the famous sandy steppe of southern Tunisia. African Journal of Ecology 53, 16-24. [0.631]
http://onlinelibrary.wiley.com/doi/10.1111/aje.12130/abstract

5. (M) Berber, N., Gaouar, S. , Leroy, G., Kdidi, S. , Tabet, N., Aouel, Saaıdi Mehtar, N. 2014. Molecular characterization and differentiation of five horse breeds raised in Algeria using polymorphic microsatellite markers. Journal of Animal Breeding and Genetics 131, 387–394. DOI: 10.1111/jbg.12092. [1.654]

6. (S) De Boever, M., Gabriels, D., Ouessar, M., Cornelis, W. 2014. Influence of acacia trees on near-surface soil hydraulic properties in arid Tunisia. Land Degradation & Development, DOI: 10.1002/ldr.2302 [1.991]

7. (M) - (O) Dhehibi, B., Alimari, A., Haddad, N., Aw-Hassan, A. 2014. Technical Efficiency and Its Determinants in Food Crop Production: A Case Study of Farms in West Bank, Palestine. Journal of Agricultural Science and Technology 16, 717-730. [0.685]

8. (M) - (O) El Hatmi, H., Jrad, Z., Khorchani, T., Dary, A., Girardet, J.M. 2014. Fast protein liquid chromatography of camel α-lactalbumin fraction with radical scavenging activity. Emirates Journal of Food and Agricculture 26 (4), 309-316. [Research Gate: 0.31]

9. (M) - (O) El Mokh, F., Nagaz, K., Masmoudi, M.M., Ben Mechlia, N. 2015. Yield and water productivity of drip-irrigated potato under different nitrogen levels and irrigation regime with saline water in arid Tunisia. American Journal of Plant Sciences 6, 501-510. Published Online March 2015 in SciRes. http://www.scirp.org/journal/ajps http://dx.doi.org/10.4236/ajps.2015.64054 [Google: 1.04]

10. (S) - (O) Hudson, L.N., Tim Newbold, Sara Contu, Samantha L. L. Hill, Igor Lysenko, Adriana De Palma, Helen R. P. Phillips, Rebecca A. Senior, Dominic J. Bennett, Hollie Booth, Argyrios Choimes, David L. P. Correia, Julie Day, Susy Echeverría-Londoño, Morgan Garon, Michelle L. K. Harrison, Daniel J. Ingram, Martin Jung, Victoria Kemp, Lucinda Kirkpatrick, Callum D. Martin, Yuan Pan, Hannah J. White, Job Aben, Stefan Abrahamczyk, Gilbert B. Adum, Virginia Aguilar-Barquero, Marcelo A. Aizen, Marc Ancrenaz, Enrique Arbeláez-Cortés, Inge Armbrecht, Badrul Azhar, Adrián B. Azpiroz, Lander Baeten, András Báldi, John E. Banks, Jos Barlow, Péter Batáry, Adam J. Bates, Erin M. Bayne, Pedro Beja, Åke Berg, Nicholas J. Berry, Jake E. Bicknell, Jochen H. Bihn, Katrin Böhning-Gaese, Teun Boekhout, Céline Boutin, Jérémy Bouyer, Francis Q. Brearley, Isabel Brito, Jörg Brunet, Grzegorz Buczkowski, Erika Buscardo, Jimmy Cabra-García, María Calviño-Cancela, Sydney A. Cameron, Eliana M. Cancello, Tiago F. Carrijo, Anelena L. Carvalho, Helena Castro, Alejandro A. Castro-Luna, Rolando Cerda, Alexis Cerezo, Matthieu Chauvat, Frank M. Clarke, Daniel F. R. Cleary, Stuart P. Connop, Biagio D'Aniello, Pedro Giovâni da Silva, Ben Darvill, Jens Dauber, Alain Dejean, Tim Diekötter, Yamileth Dominguez-Haydar, Carsten F. Dormann, Bertrand Dumont, Simon G. Dures, Mats Dynesius, Lars Edenius, Zoltán Elek, Martin H. Entling, Nina Farwig, Tom M. Fayle, Antonio Felicioli, Annika M. Felton, Gentile F. Ficetola, Bruno K. C. Filgueiras, Steven J. Fonte, Lauchlan H. Fraser, Daisuke Fukuda, Dario Furlani, Jörg U. Ganzhorn, Jenni G. Garden, Carla Gheler-Costa, Paolo Giordani, Simonetta Giordano, Marco S. Gottschalk, Dave Goulson, Aaron D. Gove, James Grogan, Mick E. Hanley, Thor Hanson, Nor R. Hashim, Joseph E. Hawes, Christian Hébert, Alvin J. Helden, John-André Henden, Lionel Hernández, Felix Herzog, Diego Higuera-Diaz, Branko Hilje, Finbarr G. Horgan, Roland Horváth, Kristoffer Hylander, Paola Isaacs-Cubides, Masahiro Ishitani, Carmen T. Jacobs, Víctor J. Jaramillo, Birgit Jauker, Mats Jonsell, Thomas S. Jung, Vena Kapoor, Vassiliki Kati, Eric Katovai, Michael Kessler, Eva Knop, Annette Kolb, Ádám Kőrösi, Thibault Lachat, Victoria Lantschner, Violette Le Féon, Gretchen LeBuhn, Jean-Philippe Légaré, Susan G. Letcher, Nick A. Littlewood, Carlos A. López-Quintero, Mounir Louhaichi, Gabor L. Lövei, Manuel Esteban Lucas-Borja, Victor H. Luja, Kaoru Maeto, Tibor Magura, Neil Aldrin Mallari, Erika Marin-Spiotta, E. J. P. Marshall, Eliana Martínez, Margaret M. Mayfield, Grzegorz Mikusinski, Jeffrey C. Milder, James R. Miller, Carolina L. Morales, Mary N. Muchane, Muchai Muchane, Robin Naidoo, Akihiro Nakamura, Shoji Naoe, Guiomar Nates-Parra, Dario A. Navarrete Gutierrez, Eike L. Neuschulz, Norbertas Noreika, Olivia Norfolk, Jorge Ari Noriega, Nicole M. Nöske, Niall O'Dea, William Oduro, Caleb Ofori-Boateng, Chris O. Oke, Lynne M. Osgathorpe, Juan Paritsis, Alejandro Parra-H, Nicolás

Pelegrin, Carlos A. Peres, Anna S. Persson, Theodora Petanidou, Ben Phalan, T. Keith Philips, Katja Poveda, Eileen F. Power, Steven J. Presley, Vânia Proença, Marino Quaranta, Carolina Quintero, Nicola A. Redpath-Downing, J. Leighton Reid, Yana T. Reis, Danilo B. Ribeiro, Barbara A. Richardson, Michael J. Richardson, Carolina A. Robles, Jörg Römbke, Luz Piedad Romero-Duque, Loreta Rosselli, Stephen J. Rossiter, T'ai H. Roulston, Laurent Rousseau, Jonathan P. Sadler, Szabolcs Sáfián, Romeo A. Saldaña-Vázquez, Ulrika Samnegård, Christof Schüepp, Oliver Schweiger, Jodi L. Sedlock, Ghazala Shahabuddin, Douglas Sheil, Fernando A. B. Silva, Eleanor M. Slade, Allan H. Smith-Pardo, Navjot S. Sodhi, Eduardo J. Somarriba, Ramón A. Sosa, Jane C. Stout, Matthew J. Struebig, Yik-Hei Sung, Caragh G. Threlfall, Rebecca Tonietto, Béla Tóthmérész, Teja Tscharntke, Edgar C. Turner, Jason M. Tylianakis, Adam J. Vanbergen, Kiril Vassilev, Hans A. F. Verboven, Carlos H. Vergara, Pablo M. Vergara, Jort Verhulst, Tony R. Walker, Yanping Wang, James I. Watling, Konstans Wells, Christopher D. Williams, Michael R. Willig, John C. Z. Woinarski, Jan H. D. Wolf, Ben A. Woodcock, Douglas W. Yu, Andrey S. Zaitsev, Ben Collen, Rob M. Ewers, Georgina M. Mace, Drew W. Purves, Jörn P. W. Scharlemann and Andy Purvis. 2014. The PREDICTS database: a global database of how local terrestrial biodiversity responds to human impacts. Ecology and Evolution 24, 4567–4811. DOI: 10.1002/ece3.1303 [1.184]

11. (M) Jelali, R., Ben Salem, H. 2014. Daily and alternate day supplementation of Moringa oleifera leaf meal or soyabean meal to lambs receiving oat hay. Livestock Science 168, 84-88. http://www.sciencedirect.com/science?_ob=ArticleListURL&_method=list&_ArticleListID=716839881&_sort=r&_st=13&view=c&md5=be2482f3d351c15903dd7ebfb894d625&searchtype=a [1.249]

12. (M) - (O) Jrad, Z., Girardet, J.M., Adt, I., Oulahal, N., Degraeve, P., Khorchani, T., El Hatmi, H. 2014. Antioxidant activity of camel milk casein before and after in vitro simulated enzymatic digestion. Mljekarstvo 64 (4), 287-294. DOI: 10.15567/mljekarstvo.2014.0408 [Journal website: 0.484]

13. (M) Kdidi, S., Yahyaoui, M.H., Conte, M., Chiappini, B., Zaccaria, G., Ben Sassi, M., Ben Ammar, A., ElGaied, Khorchani, T., Vaccari, G. 2014. PRNP polymorphisms in Tunisian sheep breeds. Livestock Science 167, 100-103. http://dx.doi.org/10.1016/j.livsci.2014.05.005 [1.249]

14. (M) - (O) Kosmas, C., Kairis, O. , Karavitis , C., Acikalinj, S., Alcalá, M. , Alfama, P. , Atlhopheng, J.., Barrera, J., Belgacem, A., Solé-Benet, A., Brito, J., Chaker, M., Chanda, R., Darkohd, M., Ermolaeva, O., Fassouli, V., Fernandez, F., Gokceoglu, C.., Gonzalez, D., Gungor, H., Hessel, R., Khatteli, H., Khitrov, N., Kounalaki, A., Laouina, A., Magole, L.,

Medina, L., Mendoza, M., Mulale, K., Ocakoglu, F., Ouessar, M., Ovalle, C., Perez, C., Perkins, J., Pozo, Louhaichi, M., K. Clifton, and S. Hassan. 2014. Direct seeding of Salsola vermiculata for rehabilitation of degraded arid and semi-arid rangelands. Range Management and Agroforestry 35(2), 182-187. [0.172]

15. (S) - (O) Martini, A.M., Dhehibi, B., Aw-Hassan, A. 2014. Determinants of Small Scale Dairy Sheep Producers' Decisions to use Middlemen for Accessing Markets and Getting Loans in Dry Marginal Areas in Syria. Experimental Agriculture. 50 (3): 438-457. [1.062]

16. (M) Meier, J.S., A. Liesegang, M. Louhaichi, M. Hilali, B. Rischkowsky, M. Kreuzer, and S. Marquardt. 2014. Intake pattern and nutrient supply of lactating sheep selecting forage from woody plants and straw offered in binary or multiple choices. Animal Feed Science and Technology 188: 1– 12. [1.608]

17. (M) - (O) Nouairia, G., Kdidi, S., Ben Salah, R., Hammadi, H., Khorchani, T., Yahyaoui, M. H. 2015. Assessing genetic diversity of three Tunisian dromedary camel (Camelus dromedarius) subpopulations using microsatellite markers. Emirates Journal of Food and Agriculture 27 (4), 362-366. doi: 10.9755/ejfa.v27i4.19258 http://ejfa.info/index.php/ejfa/article/view/19258 [Research Gate: 0.31]

18. (S) - (O) Prat, A., Ramos, C., Ramos, A., Riquelme, J., Ritsema, J., Romanenkov, V., Sebego, R., Sghaier, M., Silva, N., Sizemskaya, M., Sonmez, H., Taamallah, H., Tezcanj, L., de Vente, J., Zagal, E., Zeiliguer, A., Salvati, L. 2014. An exploratory analysis of land abandonment drivers in areas prone to desertification. Catena, available online 14 March 2014. DOI.org/10.1016/j.catena.2014.02.006 [1.881]

19. (M) Rekik, M., Ben Othmane, H., Lassoued, N., Sakly, C. 2014. Efficiency of Oestrous Synchronization by GnRH, Prostaglandins and Socio-Sexual Cues in the North African Maure Goats. Reproduction of Domestic Animals, 49, 499-504. http://onlinelibrary.wiley.com/doi/10.1111/rda.12319/abstract [1.392]

20. (M) Rjeibi, M.R., Darghouth, M.A., Rekik, M., Amor, B., Sassi, L., Gharbi, M., 2014. First Molecular Identification and Genetic Characterization of Theileria lestoquardi in Sheep of the Maghreb Region. Transboundary and Emerging Diseases, http://onlinelibrary.wiley.com/doi/10.1111/tbed.12271/abstract [2.096]

21. (S) Salvati, L., Kosmas, C., Kairis, O., Karavitis, C., Acikalin, S., Belgacem, A., Solé-Benet, A., Chaker, M., Fassouli, V., Gokceoglu, C., Gungor, H., Hessel, R., Khatteli, H., Kounalaki, A., Laouina, A., Ocakoglu, F., Ouessar, M., Ritsema, C., Sghaier, M., Sonmez, H., Taamallah, H., Tezcan, L., de Vente, J. 2014. Unveiling soil degradation and

desertification risk in the Mediterranean basin: a data mining analysis of the relationships between biophysical and socioeconomic factors in agro-forest landscapes, Journal of Environmental Planning and Management. Published online 24 October 2014. DOI: 10.1080/09640568.2014.958609
http://dx.doi.org/10.1080/09640568.2014.958609 [Website: 1.367]

22. (S) Yigezu, Y. A., A. Aw-Hassan, K. Shideed and T. Al-Shatter. 2014. A Policy Option for Valuing Irrigation Water in the Dry Areas. Water Policy 16(3), 520-535. [1.603]

Non-ISI Journal Articles and Theses (21)

1. Dhaou, H., Ouerchefani, D., Taamallah, H., Ouessar, M. 2014. Apport des données Landsat Thematic Mapper pour la cartographie des sols dans la région de Menzel Habib. Afrique Sciences, 10 (1), 68–78.

2. El Mokh, F., Nagaz, K., Masmoudi, M.M., Ben Mechlia, N. 2014. Effects of surface and subsurface drip irrigation regimes with saline water on yield and water use efficiency of potato in Arid Conditions of Tunisia. Journal of Agriculture and Environment for International Development 108 (2), 227 – 246. DOI: 10.12895/jaeid.20142.258.

3. Gaouar, S.B.S., Kdidi, S, Tabet Aouel, N., Aït-Yahia, R., Boushaba, N., Aouissat, M., Dhimi, L., Yahyaoui, M.H., Saidi-Mehtar, N. 2014. Genetic admixture of North-African ovine breeds as revealed by microsatellite loci. Livestock Research for Rural Development. Volume 26, Article #118.
http://www.lrrd.org/lrrd26/7/gaou26118.htm
http://onlinelibrary.wiley.com/doi/10.1002/ece3.2014.4.issue-24/issuetoc
http://www.zora.uzh.ch/86552/4/AFST_Meier_in_press.pdf

4. Karrou, M., Oweis, T. 2014. Assessment of the severity and impact of drought spells on rainfed cereals in Morocco. Academic Journals 9 (49), 3519-3530.
DOI: 10.5897/2014.930.

5. Moussadek, R., Mrabet, R., Dahan, R. Zouahri, A., El Mourid, M., Van Ranst, E. 2014. Tillage System Affects Soil Organic Carbon Storage and Quality in Central Morocco. Applied and Environmental Soil Science, 8 pages.
http://dx.doi.org/10.1155/2014/654796

6. Abdeladhim, M.A., Sghaier, M., Akari, A. 2014. Evaluation multicritère de l'impact du changement climatique sur le développement durable : Application d'un modèle d'équilibre général calculable (MEGC) au cas du gouvernorat de Médenine, sud-est de la Tunisie. Revue des Régions Arides 34, 61-76.

7. Abdelli, F., M. Ouessar, A. Bruggeman, H. Khatteli, R. Ghoudi, M. Guied, 2014. « Mise en place d'un modèle agro-environnemental SWAT sur le bassin versant d'Oued Jir (sud-est tunisien)». Revue des Régions Arides 33, 109-113.

8. Alrijabo, A.S., Asmair, S. A., Ahmed, H. A. 2014. Effect of zero tillage system ,seeding rate and row spacing on growth, yield and its components of bread wheat in Moderate rainfall area in Ninevah province. Journal of University of Kirkuk for Agriccultural Science 5 (1),

9. Attia, W., Tarhouni, M., Ouled Belgacem, A. 2014. Dynamique de la steppe à Rhanterium suaveolens en Tunisie présaharienne. Revue des Régions Arides, 34 (2): 103-114

10. Bagues, M., Nagaz, K., Ben Rouina, B. 2014. Comportement écophysiologique et biochimique de l'olivier variété "Chemlali Sfax" cultivé en plein champ en relation avec les conditions hydriques et édaphiques. Revue des Régions Arides 35 (3), 1247-1253.

11. Ben Hamida, J., El Mokh, F., Nagaz, K. 2014. Irrigation déficitaire à l'eau salée : étude du cas de la pomme de terre d'automne irriguée au goutte à goutte de surface et souterrain en milieu aride. Revue des Régions Arides, 35 (3) 1567-1574.

12. Ben Hassen, N., El Mokh, F., Nagaz, K., Masmoudi, M.M., Ben Mechlia, N. 2014. Gestion de l'irrigation à l'eau salée : étude de cas de pomme de terre et de petit pois cultivés en intercalaires avec l'olivier dans le sud tunisien. Revue des Régions Arides, 35 (3) 905-918.

13. Ben Othman M., 2014. Anti-stress effect of *Cymbopogon schoenanthus*. Growing wild in Tunisia on both in vitro and in vivo models: Screening and Mechanism. PhD Thesis. Tsukuba University.

14. Boubakri, A. 2014. Réponses physiologiques et biochimiques d'*Allium roseum* L. aux stress hydrique et salin. Master de Recherche en Biologie & Environnement. Faculté des Sciences de Gabès, Tunisie, 83 p.

15. El Mokh, F., Nagaz, K., 2014. Impact of deficit irrigation with saline water on yield, soil salinization and water productivity of barley in arid regions of Tunisia. Revue des Régions Arides 35 (3), 1217-1225.

16. Haddad, A,. Loss, S., Khalil, Y., Piggin, C. 2014. Adoption of zero-tillage in the conflict zones of Syria. In: Proc. 6th World Congress on Conservation Agriculture, Winnipeg, Canada, June 2014.

17. Ouessar, M. 2014. Zeuss-Koutine watershed. In : R. Thomas, N. Stewart, Th. Schaaf (editors), Drylands Sustaining Livelihoods and Conserving Ecosystem Services : A policy

brief based on the Sustainable Management of Marginal Drylands (SUMAMAD), pp : 40-41.

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C. East and Southern Africa Flagship: 2014 Publications List of Publications and Research Outputs

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6. Sabrina, C., & Katie, D. (2014). Report 1: Preliminary review of datasets to inform the development of IGAD member state baselines. Retrieved from http://www.technicalconsortium.org/wp-content/uploads//2014/11/Report-no-1-Preliminary-review-of-datasets-to-inform-the-development-of-IGAD-member-state-baselines.pdf

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D. Central Asia Flagship: 2014 List of Publications and Research Outputs

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Technical Reports and Working Papers (2)

1. Nurbekov, A., Musaev, A., Sydyk, D., Ziyadullaev, Z. and Turok, J. (2014) Conservation Agriculture in Irrigated Areas of Azerbaijan, Kazakhstan and Uzbekistan. ICARDA Working Paper 26. 46 pp. ICARDA, Beirut, Lebanon. ISBN: 92-9127-476-3.
2. Nangia, V. *et al.* (2014) Evapotranspiration-based irrigation scheduling http://cac-program.org/files/b99ffb2d611550c1373cbf96f3c661c6.pdf

Data sets (2)

1. https://dataverse.harvard.edu/dataverse/cacprogram

2. ***Geoinformatics applications:***

http://issuu.com/crpds/docs/atlas_crpds_sites_ca
http://geoagro.icarda.org/en/default/visualization/centralasia
http://geoagro.icarda.org/ca/
http://geoagro.icarda.org/awsl8.html
http://geoagro.icarda.org/en/research/details/Pest+%26+Diseases+Risk

E. South Asia Flagship: 2014 List of Publications and Research Outputs

ISI Journal Articles (10)

1. (M) Chennamaneni SR, Wani S P, Chander G, Sahrawat KL (2014). Balanced nutrient management for crop intensification and livelihood improvement: A case study from watershed in Andhra Pradesh, India. Communications in Soil Science and Plant Analysis 45: 2515-2528. DOI:10.1080/00103624.2014.912298 [0.42]

2. (M) Gumma M K, Thenkabail P S, Andrew N, Maunahan A, Islam S. (2014), Mapping seasonal rice cropland extent and area in the high cropping intensity environment of Bangladesh using MODIS 500 m data for the year 2010. ISPRS Journal of Photogrammetry and Remote Sensing. 91(5), 98-113. (IF: 3.3) [3.313]

3. (S) Holzworth, D.P. et al., Whitbread, et al., 2014. APSIM - Evolution towards a new generation of agricultural systems simulation. Environmental Modelling & Software 62, 327-350. doi:10.1016/j.envsoft.2014.07.009 [3.476]

4. (S) - (O) Nageswara Rao V, Meinke H, Craufurd, P Q, Parsons D, Wani S P, Kropff M J and Rego T J 2014. Strategic double cropping on Vertisols: a viable rainfed cropping option in the Indian SAT to increase productivity and reduce risk. European Journal of Agronomy 62 pp. 26-37. doi:10.1016/j.eja.2014.09.003 [2.8]

5. (M) Nageswara Rao V, Kalpana Sastry R, Craufurd P, Meinke H, Parsons D, Rego T J, Rathore A. (2014) Cropping systems strategy for effective management of Fusarium wilt in safflower. Field Crops Research 156 191–198. (Website impact factor: 2.608) http://dx.doi.org/10.1016/j.fcr.2013.11.013 [2.474]

6. (M) Sahrawat K L, Murthy K V S, Shirisha K, and Wani S P 2014. Quality Control in Soil Testing Using the Internal Standards: Temporal Variability in Organic Carbon and extractable Nutrient Elements. Communication in Soil Science and Plant Analysis 45, 1162-1165. DOI:10.1080/00103624.2013.874027 [0.42]

7. (M) Sahrawat K L, Hangula M N, Uma Devi M, Rai K N, Reddy B V S and Wani S P 2014. Comparative evaluation of ground and unground pearl millet and sorghum grain samples for determining total iron and zinc. Communications in Soil Science and Plant Analysis 45:1259-1268. DOI:10.1080/00103624.2013.875193 [0.42]

8. (M) Tesfamariam T, Yoshinaga H, Deshpande S P, Srinivasa Rao P, Sahrawat K L, Ando Y, Nakahara K, Hash C T and Subbarao G V (2014). Biological nitrification inhibition

in sorghum: the role of sorgoleone production. Plant and Soil 379:325-335. DOI 10.1007/s11104-014-2075-z [2.638]

9. (M) - (O) Thenkabail P S, Gumma M K, Teluguntla P S, Irshad A M (2014) Hyperspectral Remote Sensing (Imaging Spectroscopy) of Vegetation and Agricultural crops. Photogrammetric Engineering and Remote Sensing. 80(8), 697-709. (IF: 2.1) [3.313]

10. (M) - (O) Chander G., Wani SP, Sahrawat KL, Sreenath D, Venkateswarlu B, Rajesh C, Narsimha Rao P and Pardhasaradhi G (2014). Soil test-based nutrient balancing improved crop productivity and rural livelihoods: case study from rainfed semi-arid tropics in Andhra Pradesh, India. Archives of Agronomy and Soil Science 60(8): 1051–1066. [0.549]

Non-ISI Journal Articles and Theses (2)

1. Kumar S, Chand K (2012). Assessing impact of Climatic Variability on Crop Yields in Rajasthan. Annals of Arid Zone, 51 (3&4): 211-214 published in 2014

2. Haileslassie A, Craufurd P 2012.Challenges in the Dryland Agricultural Production Systems of South Asia: Research Priorities and Strategies. Annals of Arid Zone, 51 (3&4): 203-210 published in 2014

Proceedings (1)

1. Ramilan, T., DakshinaMurthy, K., Nedumaran, S, Haileslassie, A., Whitbread, A, Bantilan, C., Kumar, S and Wani, S. P (2014) An Alternative Insurance Index for Climate Risk in Semi-Arid Agriculture using a Crop Simulation Model, Abstract, Proceedings of SLCARP International Symposium, Colombo.

2. Kumar, S, Haileslassie A, Ramilan T; Wani S P. (2014). Assessing different farming systems for enhancing farm income and resilience in extreme dry region of India. www.ageconsearch.umn.edu/bitstream/165846/2/Kumar%20CP.pdf

Data sets (4)

1. Haileslassie A; Kumar S; Palanisami K; Rathore A; Dr. Craufurd P.; Adinarayana G, "Household Level Baseline Data for Dryland System Agricultural Production System

Research in South Asian action Villages (KURNOOL-District)" http://dataverse.icrisat.org/dvn/dv/crpds/faces/study/StudyPage.xhtml?globalId=hdl:11038/10143

2. Haileslassie A; Kumar S; Palanisami K; Rathore A; Dr. Craufurd P.; Adinarayana G, "Household Level Baseline Data for Dryland System Agricultural Production System Research in South Asian action Villages (ANANTPUR-District)" http://dataverse.icrisat.org/dvn/dv/crpds/faces/study/StudyPage.xhtml?globalId=hdl:11038/10146

3. Haileslassie A; Kumar S; Palanisami K; Rathore A; Dr. Craufurd P.; Adinarayana G, "Household Level Baseline Data for Dryland System Agricultural Production System Research in South Asian action Villages (RAJASTHA State) http://dataverse.icrisat.org/dvn/dv/crpds/faces/study/StudyPage.xhtml?globalId=hdl:11038/10152

4. Haileslassie A; Kumar S; Palanisami K; Rathore A; Dr. Craufurd P.; Adinarayana G, "Household Level Baseline Data for Dryland System Agricultural Production System Research in South Asian action Villages (BIJAPUR - District)", http://hdl.handle.net/11038/10167

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