

International Conference

Urban, Peri-Urban Agriculture, Employment & Value Chain Management



(October 18-22, 2011)



Closing Session

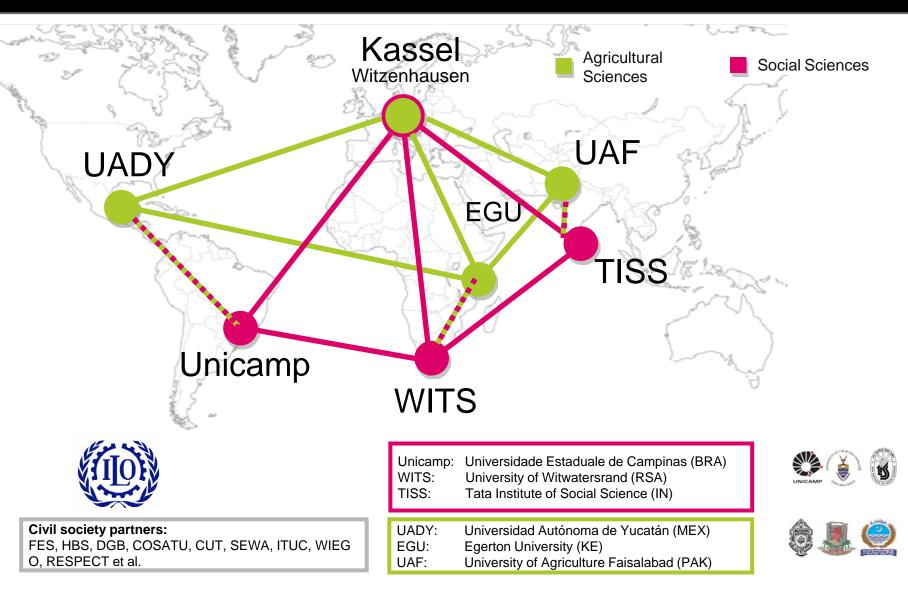
Andreas Buerkert, Eva Schlecht, Michael Wachendorf, Muhammad Younas and Asif Ali

International Center for Development & Decent Work (ICDD)









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		Three Research Clusters								
		Sustainable Value Creation for Decent Work	Instruments for Promoting Decent Work	Strategies of Empowerment for Decent Work	Ela Bhatt Visiting Professorship					
Four Training Activities		MA & MSc The	esis Research - Thesis	Research Grants	Acac at					
	•	Graduate School "S PhD Scholars	Academic Qualification at Different Levels							
	->	Post Doctoral and	Qualificatior ent Levels							
	•	Alur	nni Applied Research S	Schools	vels					
	•	Certificate Co Knowledge Tr Decent Work W	Professorship Migration & Decent Work							

Knowledge Transfer to Policy, Civil Society, Profession & Academia

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Ela-Bhatt Visiting Professorship for Development and Decent Work

Professor Edward C. Webster,

University of the Witwatersrand, Johannesburg

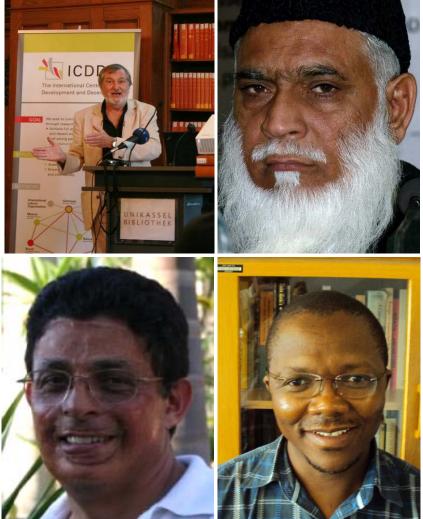
Professor Muhammad Younas,

University of Agriculture, Faisalabad

Professor Juan Jimenez-Orsonio, Universidad Autonoma de Yucatan

Professor Sakhela Buhlungu

University of Pretoria

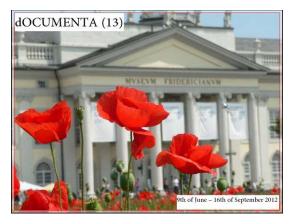






ICDD activities planned for 2012 & 2013

- March 2012 Graduate School Workshop at Egerton University, Kenya
- 9 June 16 September 2012 DOCUMENTA 13 Kassel



- 4 -8 July 2012 Annual Thematic Conference (ATC) in Kassel together with the Steering Committee Meeting
- September 2012 Alumni Applied Research School (AARS) in UNICAMPI, Brazil together with the Annual GLU Conference
- 2013 PhD workshop at UADY, Mexico



50 Years of Advancing Agricultural Technology and Training UNIVERSITY OF AGRICULTURE FAISALABAD

What we have done together....



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Organized by International Centre for Development and Decent Work (ICDO) University of Kassel, Germany www.icdd.uni-kassel.de Office of Research, Innovation and Commercialization & ICDO Office University of Agriculture, Faculabad, Pakistan www.uaf.edu.pk

U N I K A S S E L V E R S I T 'A' T







Strong voices of dedicated women participants....



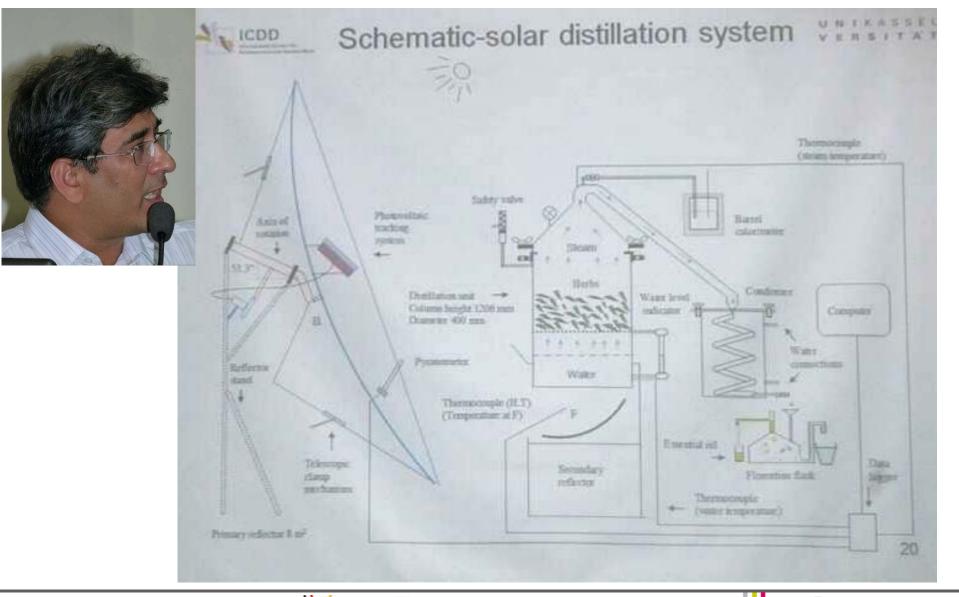
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DAAD Deutscher Ak



Putting good science into practice



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e)



Diversity of very convincing poster topics



German Academic Exchange Service

International Center for

Development and Decent Work

wirtschaftliche Zusammenarbeit

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FOR EXCHANCE AND DEVELOPMENT

und Entwicklung





Problem-oriented key recommendations





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Tissue concentrations (ppm) of heavy metals in crops irrigated with waste water in Uchkara

Species	Ni	Zn	Pb	Cr	Mn
Cabbage	3	53	0	21	19
Cauliflower	3	24	0	16	20
B. juncia	3	66	1	n.a.	68
Wheat	0	34	1	9	27
B. napus	3	66	0	13	28
Round gourd	3	37	0	12	8
Cabbage	4	64	2	12	17
B. napus	4	33	2	43	49

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Shamim Raja et al. (unpublished data)







Urban and peri-urban agriculture (UPA) can make an important contribution to supplying food as well as jobs and income opportunities to the rapidly growing urban populations, but its role and problems strongly vary between locations.



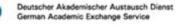
Recommendations

Negative externalities of UPA need:

- careful analysis
- consistent action and dialogue with all stakeholders to design solutionoriented policies
- a legislation fostering the sustainability of the systems, securing product safety and protecting consumer health

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Disadvantages of conv. membrane designs – Flat Sheet

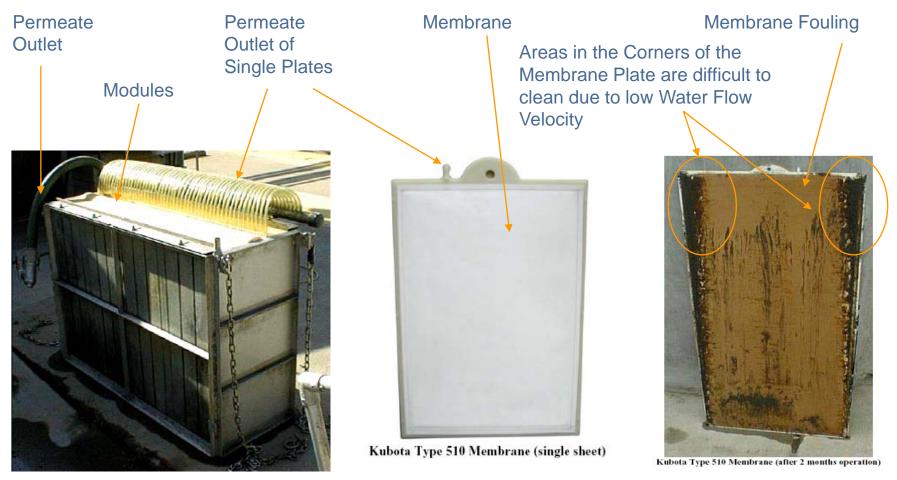


Plate / Frame UF Assembly

Single Plate

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Membrane Fouling

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The filter (membrane) stack before and after cleaning

Fouling

Easy cleaning

Recover complete



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Sewage treatment with membrane stacks









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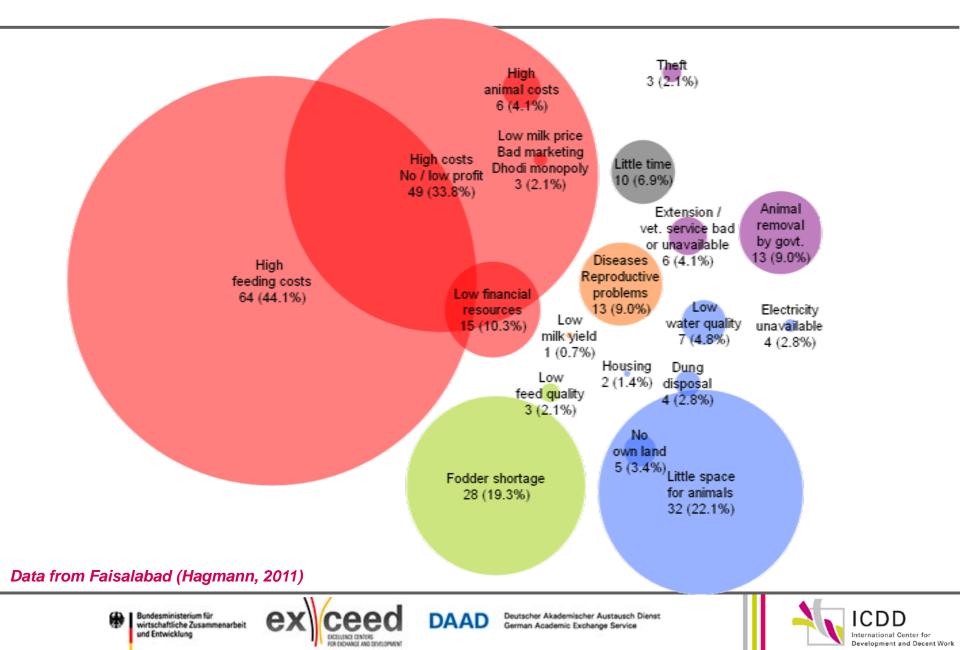


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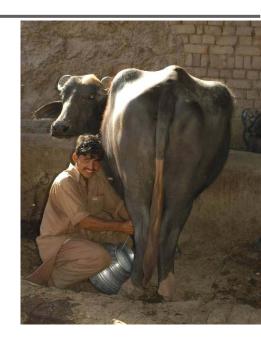








The urban dairy value chain is very important for supplying fresh milk as well as jobs around and within the cities.



Recommendations

Initiate dairy farmer cooperatives / producer associations to:

- harmonize milk production & quality
- rise competitiveness of small/medium farms
- secure adequate milk prices
- maintain jobs and improve income along the value chains

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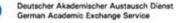


Recommendations

- Investigate the usefulness of biogas digesters for (peri-)urban dairy households or cooperatives (of farmers or dung collectors)
- Better dung recycling to fields: regulations against dung waste and facilitation of fresh dung trade

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(3) Rural-urban migrants – Returned migrants



tliche Zusammenarbeit

Recommendations

Problems

- slum development
- no betterment of living conditions for migrants in town
- left-behind families

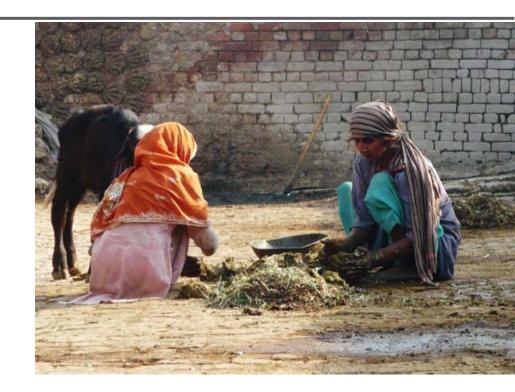
- dedicated investment in rural infrastructure
- credit schemes for small and medium size rural enterprises
- investigate the potential role of silvo-pastoral systems (Mexico) for Pakistan's rural areas
- establishment of women self-help groups for left-behind wives



(3) Domestic workers, unskilled female (migrant) labor

Problems

- very low wages
- irregular working hours
- unsafe working conditions
- abuse
- child labor

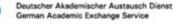


Recommendations

- establishment of an enforced legal framework for domestic worker with minimum wages, maximum working hours and prevention of abuse
- encouragement and support of women self-help groups for domestic workers

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Thanks for an excellent guidance of our discussions !





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Thanks for great side events and social life



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Thanks for a dedicated commitment to on-campus security!



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Thanks for your engagement, patience and tolerance!



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