



Bernhard Freyer (Herausgeber)

Eric Tielkes (Herausgeber)

Tropentag 2016

Solidarity in a competing world - fair use of resources

International Conference on Research on Food
Security, Natural Resource Management and
Rural Development



Tropentag 2016

**Solidarity in a competing
world - fair use of resources**

Book of abstracts

Sunday - Wednesday, Sept. 18-21, 2016
University of Natural Resources and Life
Sciences (BOKU)

Vienna, Austria

www.tropentag.de

Organised by:



<https://cuvillier.de/de/shop/publications/7337>

Copyright:

Cuvillier Verlag, Inhaberin Annette Jentzsch-Cuvillier, Nonnenstieg 8, 37075 Göttingen,
Germany

Telefon: +49 (0)551 54724-0, E-Mail: info@cuvillier.de, Website: <https://cuvillier.de>

Contents

Plenary speeches	9
1. Plants	17
1) Cropping systems	19
2) Soil fertility and nutrient management	43
3) Crop diversity and plant breeding	75
4) Environmental impact on soil and crop health	97
5) Crop biotic stresses (DPG session)	113
6) Rice	129
2. Animal science	145
1) Livestock systems, animal health and ruminants	147
2) Mobile dryland pastoralism	183
3) Monogastric livestock	213
4) Aquaculture and fisheries	233
3. Natural resource management and ecology	245
1) Forestry, agro-forestry	247
2) Water and soils	281
3) Climate change, remote sensing and GIS tools	295
4) Agrobiodiversity, ecology and ecosystem services	317
4. Organic agriculture and food systems	337
1) Organic farming systems	339
2) Organic markets and certification	355
3) Organic strategies and policies	371
5. Socioeconomics	385
1) Adoption, innovation and gender perspectives	387
2) Markets and value chain analysis	419
3) Micro-economics and livelihoods	439
4) Governance, policy, strategy and macro-economics	465
5) Knowledge, participation, stakeholders and social networks	491

6. Food and nutrition security and engineering	527
1) Food security and nutrition	529
2) Engineering aspects	561
7. Special programmes and visiting CGIAR centre	575
2) Research for development - innovative partnerships in Africa, Central Asia and Southeast Asia (BMBF)	577
3) BMEL: Diversified agriculture and nutrition	585
4) Bioversity International (CGIAR centre)	601
Index of authors	603
Index of keywords	619
Index of abstract IDs	633