

S10 HORTICULTURE FOR DEVELOPMENT

CONVENERS

Rémi Kahane, *GlobalHort, Tanzania*
Lusike Wasilwa, *Kenyan Agricultural Research Institute, Kenya*
Manuel Correia, *Portuguese Institute for Development Assistance, Portugal*

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Jan Siemonsma, *Plant Resources of Tropical Africa, The Netherlands*
Julian Smith, *Central Science Laboratory, UK*

SYMPOSIUM SPONSORS



MONDAY, 23 AUGUST

10.30–12.30h

Room 5A

Session 1

INTERNATIONAL PROGRAMS AND INITIATIVES

Chairperson: *Rémi Nono-Womdim (Italy)*

10.30 – Inv. Speaker | The Pacific Agribusiness Research for Development Initiative (PARDI): A Novel Approach to Horticultural Development in the Pacific
Underhill, S. J. R.; Stringer, R.; Bryceson, K.; Prasad, B. C.; Shearer, D. | S10.001

11.00 - Oral | Small and Medium-Scale Public-Private Partnership in Horticulture for Development
Keatinge, J. D.; Easdown, W. J.; Hughes, J. D. | S10.002

11.15 - Oral | Horticulture CRSP, a Long Term Commitment by USAID to Address Poverty and

Hunger of the Rural Poor

Voss, R. E.; Mitcham, E. J.; Reid, M. S.; Bell, M. A. | S10.003

11.30 - Oral | Crops for the Future: A New International Organization Facilitating the Development of Neglected and under-Utilized Crops
Hermann, M. | S10.004

11.45 - SP | Lessons Learned from the First All Africa Horticulture Congress
Wasilwa, L.; Kahame, R. | S10.006

11.49 - Oral | 2nd All Africa Horticulture Congress, Nelspruit, South Africa
Soundy, P.; Du Toit, E. S.; Bower, J. P.; Hannweg, K. | S10.005

13.30–15.00h

Room 5A

Session 2

CASE STUDIES OF RESEARCH FOR DEVELOPMENT PROJECTS I

Chairperson: *Manuel Correia (Portugal)*

13.30 – Inv. Speaker | World Importance, Marketing and Trading of Vegetables
Silva Dias, J. C. | S10.007

14.00 - Oral | An Ecologically Intensive Approach for the Design of Sustainable Horticultural Systems in the Tropics
Ratnadass, A.; Deberdt, P.; Fernandes, P.; Grechi, I.; Rhino, B.; Rycckewaert, P.; Malézieux, E. | S10.008

14.15 - Oral | Fruit and Honey Litchi Production: Activity with Positive Externalities
Ramanarivo, R.; Randrianasolo, H.; Ramanarivo, S.; Dabat, M. H.; Andrianarisoa, B. | S10.009

14.30 - SP | Value Chain Interventions Enhances Commercialization and Consumption of Traditional African Vegetables in Rachuonyo and Busia Districts, Kenya
Kaguongo, W.; Low, J.; Ruminju, J.; Karanja, N. N.; Njenga, M.; Ortmann, G.; Edilegnaw, W. | S10.011

SP | Role of Horticulture in Agriculture Development and Food Security in Jamaica
Benkeblia, N. | S10.012

SP | The Horticulture in Colombia (South America): Current State, Goals and Challenges for 2010-2020
Miranda, D.; Fischer, G. | S10.013

SP | Integrating Traditional Agriculture, Environmental Resources and Market to Support the

Marginal Rural Territories. A Case of Study Developed in the Island of Alicudi (Messina, Italy)
Valentini, P.; Aprile, S.; Zizzo, G. | S10.033

16.30–18.00h

Room 5A

Session 3
CASE STUDIES OF RESEARCH FOR DEVELOPMENT PROJECTS II

Chairperson: *Lusike Wasilwa (Kenya)*

16.30 - Oral | Farmers' Experiences on Low-Pressure Drip Irrigation for Vegetable Production in Southeast Asia and the Pacific
Palada, M. C.; Mercado, A. C.; Roberts, M.; Ella, V. B.; Reyes, M. R.; Susila, A. B.; Ha, D. T.; Wu, D. L.; Bhattarai, M. | S10.014

16.45 - Oral | Experiences in Linking Smallholder Vegetable Farmers to the Emerging Institutional Market in the Philippines
Batt, P. J.; Concepcion, S. B.; Murray-Prior, R. B. | S10.015

17.00 - Oral | Cost of Production Analysis of Horticulturists in Ubatuba, São Paulo State, Brazil
Turco, P. H. N.; Oliveira, M. D. M.; Moreira, S. R.; Castro, C. E. F.; Onatini, M. N.; Souza, M. C. M.; Marchiori, A. C.; Santos, J. C.; Silva Junior, L. C. | S10.016

17.15 - Oral | Vegetable Production for Improving Livelihoods in the Tsunami-Affected Areas of Aceh, Indonesia
Bhattarai, M.; Ferizal, M.; Fitriana, N.; Luther, G.; Mariyono, J. | S10.017

17.30 - Oral | Towards Market Orientation of Underutilised Horticultural Crops: Experiences with Rural Initiatives in India
Nallathamby, D. J.; Bhosale, B.; Ksheerasagar, D.; Relan, A.; Sapate, M. | S10.010

TUESDAY, 24 AUGUST

10.30–12.30h

Room 5A

Session 4
CAPACITY BUILDING AND KNOWLEDGE MANAGEMENT

Chairperson: *Enoch Achigan-Daku (Kenya)*

10.30 - Inv. Speaker | Incorporating Value Chain Research into Horticultural Study Programmes in Developing Countries
Hofmann, S.; Wenz, K. | S10.018

11.00 - Oral | "Aurora Tropical": A Proposal of

Ecological and Urban Horticulture, the Case of One Secondary School in Cabudare City of Venezuela
Gomez, C. E.; Gonzalez-Casamayor, P.; Peroza-Carrasco, D.; Lopez, M.; Ramirez-Guerrero, H. O. | S10.019

11.15 - Oral | Training Engineering in the Capacity Building of Urban Horticulture: Case of Market Gardening Crops in Gabon
Nondah, T. | S10.020

11.30 - Oral | Developing Good Agricultural Practice Systems for Dragon Fruit Farmers and Exporters in Vietnam: An Holistic Approach to Quality System Capacity Development for a Vietnamese Research Institute
Rankin, M. K.; Campbell, J. M.; Nguyen, H. H.; Nguyen, H. V.; Nguyen, C. M. | S10.021

11.45 - Oral | The Value of Knowledge Transfer Partnerships as a Tool for Capacity Building within the Kenyan Horticulture Sector
Bishop, C.; Bingley, E.; Matthews, H. | S10.022

12.00 - SP | Promotion of Positive Business Attitudes among Smallholder Farmers in Ghana: Impacts from the Southern Horticultural Zone
Gyasi-Boakye, S.; Offei Bonsu, K.; Adu-Dapaah, H.; Osei, M. K.; Owusu-Akyaw, M.; Manu-Aduening, J. | S10.023

16.00–18.00h

Room 5A

Session 5
PUBLIC-PRIVATE PARTNERSHIP FOR HUMAN HEALTH AND WEALTH

Chairperson: *Rémi Kahane (United Republic of Tanzania)*

16.00 - Inv. Speaker | Horticulture: Help for Developing Countries in a World of Rising Grain Prices
Lumpkin, T. A. | S10.024

16.30 - Oral | Improving Urban Markets Supply Chains of Indigenous Leafy Vegetables for Fighting Malnutrition and Poverty Alleviation: A Case Study of Yamoussoukro in Côte d'Ivoire
Mahyao, A. G.; Kouame, C. N.; Fondio, L.; Agbo, E. P.; N'Zi, J. C. | S10.025

16.45 - Oral | Unleashing the Potential of Sweetpotato to Combat Poverty and Malnutrition in Sub-Saharan Africa through a Comprehensive Initiative
Low, J. W. | S10.026

17.00 - Oral | Recognising and Supporting Local Innovation: An Alternative Approach to Horticulture for Development
Letty, B. A.; Mudhara, M.; Waters-Bayer, A.; Ngubane, N.; Malinga, M. P.; Shezi, Z. F. | S10.027

17.15 - Oral | Food Chain Partnership for Sustainable Agriculture with Bharti-Walmart in India
Walz-Tylla, B. | S10.028

17.30 - SP | Innovation at a Brazilian Fishing Cooperative - The Successful Case of Coorimbatá
De Lima, M. G.; Dalto, D. T.; Rocha, R. M. | S10.029

SP | A Project by Plamsur: Organic Production of Medicinal Plants in African Descendents Community in Southern Brazil
Barros, L.; Wiest, J. M.; Oliveira, A.; Oliveira, M. B.; Gomes, J. C. | S10.030

SP | Uninformed Pesticide Use in Jharkhand State, India: A Threat to the Health and Livelihoods of Vegetable Farmers
Kriesemer, S. K.; Chadha, M. L.; Weinberger, K. M. | S10.031

SP | Accelerating Horticulture Development in a Heavily Rice Biased Agriculture
Dimiyati, A. | S10.032

MONDAY, 23 AUGUST

15.00–16.30h

Pav. 2

Poster Session 1 HORTDEVELOP

Poster | Healthy Affordable Seed Yam (*Dioscorea rotundata*) Production from Vine Cuttings: Application of Natural Auxins from Cabbage Extracts
Adu-Kwarteng, E.; Otoo, E.; Dzomeku, B. M.; Quain, M. D.; Aubyn, A. | S10.200

Poster | Horticulture CRSP Immediate Impact Projects Quickly Address Needs in Developing Countries
Crump, A.; Shapland, P.; Bell, M. A.; Voss, R.; Mitcham, E.; Reid, M. | S10.201

Poster | Yield and Quality of Some Vegetables Intercropped with Fruit Crops in An Irrigated System in Brazil's Cerrados
Guimaraes, T. G.; Madeira, N. R.; Celestino, S. M. C.; Castro Jr., V.; Andrade, G. A.; Cohen, K. O. | S10.202

Poster | Innovative Strategies for Biodiversity Integration and Rural Development in Madagascar
Beccaro, G. L.; Canterino, S.; Bellone, D.; Giacoma, C.; Bounous, G. | S10.203

Poster | Onion and Peanut: Differentiation Cultures of Farmers for the Development of the District of Bekily-Madagascar
Ramananarivo, R.; Ramananarivo, S.; Rapanoël, D. K.; Andriamanalina, S. I. | S10.204

Poster | Project of Technical Cooperation Brazil-Haiti in Vegetables Production
Guiducci Filho, E.; Madeira, N. R.; Vilela, F. R.; Melo, W. F. | S10.205

Poster | Integrated Aquaculture - Floating Agriculture: Is It a Valid Strategy to Raise Livelihood?
Pantanello, E.; Cardarelli, M.; Colla, G.; Danieli, P. P.; MacNiven, A. | S10.206

Poster | Horticulture Production in North-Western Himalayan Region under Changing Climatic Scenario-A Case Study
Bhardwaj, S. K.; Verma, K. S.; Sharma, S. D. | S10.207

Poster | Evaluation of Sustainability of Horticultural Activities for Natural Resources Conservation in the Wetlands of the Lake Victoria Basin
Maithya, J. K.; Kariuki, W.; Njoroge, J. B. M. | S10.208

Poster | Baby Salad Leaves as Emerging Industry: A Promising Technique for No-Polluted and Healthy Vegetables with Developmental Goals
Ahmed, H. M. I. | S10.209

Poster | Non-Conventional Edible Plants: Agrobiodiversity Valorisation at a Small Family Agriculture Unity
Barros, L.; Kinupp, V. F.; Bohrer, S.; Silva, M. A. | S10.210

Poster | Consumers' Perception of Watercress Quality in Antananarivo
Ramananarivo, R.; Randrianasolo, H.; Ramananarivo, S.; Dabat, M. H.; Andrianarisoa, B. | S10.211

TUESDAY, 24 AUGUST

15.00–16.00h

Pav. 2

Poster Session 2 HORTDEVELOP

Poster | Small Farm Horticulture and the Agricultural Transformation in Africa: The Case of Cameroon
Parrot, L.; de Bon, H.; Malézieux, E.; Ganry, J.; Sotamenou, J. | S10.212

Poster | Sweetpotato Product Development in Ghana: Towards Alleviation of Nutritional Deficiencies in Women and Children
Adu-Kwarteng, E.; Sakyi-Dawson, E.; Asafu-Agyei, J.; Baafi, E.; Dapaah, H. | S10.213

Poster | The Role of Human Factor in the Innovation of Apricot Production- Empirical Study in a Disadvantage Area of East-Central European Country
Demeter, D.; Nyéki, J.; Szabó, Z. | S10.215

Poster | Market Gardening Reduces Poverty: Evidence from Libreville, Gabon
Nondah, T. | S10.216

Poster | Developing Egyptian Export Markets and Marketers

Behe, B. K.; Fernandez, R. T.; Samy, M. M. | S10.217

Poster | The Role of Quality Management of Traditional Horticultural Products in Rural Development in Hungary

Ferencz, A.; Berde, C.; Levai, P.; Notari, M.; Czeglédi, M. | S10.218

Poster | The Role of Sales Management of Traditional Horticultural Products in Rural Development in Hungary

Ferencz, A.; Berde, C.; Levai, P.; Notari, M.; Czeglédi, M. | S10.219

Poster | Sustainable Food Production for the 21st Century – VertiCrop™ High Density Vertical Growing
Bayley, J. E.; Frediani, K.; Yu, M. | S10.220

Poster | Restoration of Peanut Seed Bank in Louga District (Senegal)

Berruti, A.; Ndiaye, F.; Sylla, A.; Diop, T. A.; Bianciotto, V.; Ricci, P. | S10.221

Poster | An Innovative Approach for a Sustainable Agriculture in Developing Countries: The Slow Food International Presidia

Peano, C.; Milano, S.; Sottile, F. | S10.222

Poster | A Validation of Determinants of the Market Success of Fruit Product Innovations

Rakowska, J.; Bakker, T. | S10.223

Poster | Management and Technological Alternatives to Promote Productivity in The Mexican Agricultural Sector

Longar-Blanco, M. P. | S10.224