

10 September 2019

Chair of the day Angelica Kaus, Director SalFar project

		LOCATION
08:30	Registration opens	VHL entrance
09:30 - 10:00	Welcome and introduction to the conference Angelica Kaus, Director SalFar Project Jan van Iersel, Chair van Hall Larenstein Pier Vellinga, Wadden Academy	Auditory F.002
10.00 - 11:00 10:00 - 10:30 10:30 - 11:00	Keynote speeches Dionysia Aggeliki Lyra, ICBA Willem Ferwerda, CEO Commonland	Auditory F.002
11:00 - 12:00	Opening of the fair and poster presentations	Studiekantine/ hallway
12:00 - 13:00	Lunch Welcome by Douwe Hoogland, Member of the Executive Council, Province of Friesland	Studiekantine/ hallway
13:00 - 13:30 13:00 - 13:30	Keynote speech Marc van Rijsselberghe, pioneer entrepreneur Salt Farm Foundation	Auditory F.002
13:30 - 15:30	Parallel sessions	
	I Addressing Climate Change and Food Security	Room F.112
	V Experiments and promising crops	Room F.129
	IX Revitalization of saline degraded soils	Room S.110
15:30 - 16:00	Coffee break and poster presentations	Studiekantine/ hallway
16:00 - 18:00	Parallel sessions	nanway
	II Awareness raising and capacity building for saline farming	Room F.112
	VI Promising crops for saline farming	Room F.129
	X Traits affecting salinity tolerance	Room S.110
18:30 - 19:30	Welcome reception by Wetsus Introduction to Wetsus – Cees Buijs, Director, and Jan Post, Director of Programs	Walk together to Wetsus

11 September 2019

Chair of the day: Margot Faber, Province of Groningen

		LOCATION
09:00 - 10:00 09:00 - 09:30 09:30 - 10:00 10:00 - 10:15	Plenary sessions Genetic characterization of salinity tolerance traits to increase salinity tolerance in crops – Mark Tester, KAUST "Living with salinity" Can saline agriculture contribute in a sustainable and profitable way? – Arjen de Vos, Saline Farming Introduction to EPI AGRI Working Group – Iain Gould	Auditory F.002
10:15 - 11:00	Coffee break and poster presentations	Studiekantine/ hallway
11:00 - 13:00	Parallel sessions	панway
	III Food-water-energy nexus	Room F.112
	VII Salinity adapted cultivation strategies	Room F.129
	XI Interactions among salinity, roots and microbial communities	Room F.110
13:00 - 14:00	Lunch	Studiekantine
14:00 - 15:00 14:00 - 14:30 14:30 - 15:00	Plenary sessions Climate change induced salinization as a growing global challenge – Atiq Rahman, Bangladesh Center for Advanced Studies Global opportunities and constraints – Katarzyna Negacz, Waddenacademie	Auditory F.002
15:00 - 15:30	Coffee break and poster presentations	Studiekantine/ hallway
15:30 - 17:10	Parallel sessions	
	IV Fresh and brackish water management in potentially saline soils	Room F.112
	VIII Innovation and practical experience at farm level	Room F.129
	XII Alternative use of salt-tolerant plants	Auditory F.002
17:30 - 18:00 18:00 - 18:30	Report on priorities from the parallel international farmers meeting Conclusions from the parallel sessions by Pier Vellinga	Auditory F.002
18:30 19:30	Refreshments CONFERENCE DINNER	Kantine/hallway

SCIENTIFIC COMMITTEE

The Saline Futures Scientific Committee's role is advising on the programme, reviewing all submitted abstracts, selecting presentations and posters.

Prof. Henrik Aronsson

(University of Gothenburg, Sweden)

Prof. Pier Vellinga

(Waddenacademy, Netherlands)

Prof. Theo Elzenga

(University of Groningen, Netherlands)

Dr. Anne Asselin de Williencourt

(NMBU, Norway)

Dr. Bas Bruning

(Saline Farming, Netherlands)

Dr. Dennis Corwin

(USDA-ARS, U.S. Salinity Laboratory)

Dr. Dionysia Aggeliki Lyra

(ICBA, United Arab Emirates)

Dr. Ed Barrett-Lennard

(Murdoch Univearsity and The University of Western Australia, Australia)

Dr. Gary Bosworth

(University of Lincoln, UK)

Dr. Jeroen De Waegemaeker

(ILVO, Belgium)

Dr. Laurids Siig Christensen

(Taste of Denmark/VIFU)

Dr. Leena Karrasch

(University of Oldenburg, Germany)

Dr. Maria Konyushkova

(Lomonosov Moscow State University, Russia)

Dr. Redouane Choukr-Allah

(Institut Agronomique et Vétérinaire Hassan II Morocco)

Dr. Sara Marjani Zadeh (FAO, Turkey)

ORGANISING COMMITTEE

The Saline Futures Organising Committee tasks include organisational matters, logistics and communication.

Prof. Pier Vellinga

Conference chair

(Waddenacademy, Netherlands)

Dr. Katarzyna Negacz

Conference manager

(Waddenacademy, Netherlands)

Angelica Kaus

Director SalFar project

(Province of Groningen, Netherlands)

Douwe van Noordenburg

Financial Manager SalFar project

(Province of Groningen, Netherlands)

Dr. Jeroen De Waegemaeker

(ILVO, Belgium)

Sjerpy Moeyersoons-Joustra

(Waddenacademy, Netherlands)

Thea Smit

(Waddenacademy, Netherlands)

ORGANISING PARTIES























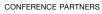


















APPENDIX 1.

PARALLEL SESSIONS

Policy and Management

I

Addressing Climate Change and Food Security

10 September, 13:30 - 15:30, Room F.112

Chair: Dr. Leena Karrasch

Dr. Anne Asselin de Williencourt

Freshwater salinisation and its drivers: A critical water quality challenge with implications for agricultural development – Josefin Thorslund, Michelle van Vliet

Understanding Farmers' Perceptions of and Livelihoods Adaptation to Climate Change: Insights from the Coastal Bangladesh – Md. Jahangir Kabir, Donald H Gaydon, Mohammad Mainuddin, Mohammad Moniruzzaman

Delta environments: landscapes at major threat from salinity

– Edward G Barrett-Lennard

The Effect of Climate Change Adaptation on Rural Community Livelihoods — Nakasaga Halima, Kabagenyi Hilder, Lukyamuzi Grace, Mbidde Robertson (presenting author: Nalubega Rose)

II

Awareness raising and capacity building for saline farming

10 September, 16:00 - 18:00, Room F.112

Chair: Dr. Sara Marjani Zadeh Dr. Jeroen De Waegemaeker

A Legal Perspective on the Effects and Prevention of Salinization

– Annalies Outhuijse, Ida Helene Groninga, Tatia Brunings

Is saline farming a shape shifter? Review of the debate on and policies for climate adaptation at the Flemish coast (2005-2017)

– Jeroen De Waegemaeker

A vision and a strategy for mitigating and adapting to salinization of highly productive clay soils in the Netherlands

Mindert de Vries

Adaptive Management Strategies to Alleviate the Impacts of Saltwater Inundation on Agricultural Lands – *Christopher F. Miller*

Salinization of the coastal zone as driver for innovation in flood risk management strategy – *Jantsje M. van Loon-Steensma*

Salinization and agriculture in the Netherlands: benchmarking stakeholder perspectives

- Isa Camara Beauchampet

III

Food-water-energy nexus

11 September, 11:00 - 13:00, Room F.112

Chair: Dr. Anne Asselin de Williencourt Dr. Sara Marjani Zadeh

Salinity dynamics in river water, canal water, pond water and groundwater over the dry season in Ganges Delta

– Afrin Jahan Mila, Richard Bell, Edward Barrett-Lennard, Enamul Kabir and Yingying Yu

What if it becomes too saline?

– Reinier Nauta

The impacts of North Sea flooding to UK agriculture

– Iain Gould, Isobel Wright, Gary Bosworth, Eric Ruto, Martin Collison, Simon Pearson

Sustainable saline agriculture in Iran: Turning Threats into Opportunities

– Raheleh Malekian

The Study of South Coastal Areas Development of Iran Using Biosaline Agriculture (Haloculture) – Ardavan Azari

Potentials of saline agriculture for subsistence and livelihoods of local poor communities in the Jordan Valley

– Ziad Al-Ghazawi

IV

Fresh and brackish water management in potentially saline soils

11 September, 15:30 - 17:10, Room F.112

Chair: Dr. Eric Ruto Dr. Leena Karrasch

Managing salinization under climate change: using degraded irrigation waters and new technologies – Francisco Pedrero Salcedoa, Juan José Alarcón Cabañeroa, Margo Robbenb, Huub Rijnaartsb, Pedro Javier Guillermo Lópeza

Nine steps towards a sustainable climate-proof fresh groundwater supply: the case of Zeeland, the Netherlands

- Oude Essink, Gualbert

Saline groundwater seepage increase with sea level rise

– Johan Medenblik

Awareness raising and commitment, experiences in how to involve the farming community

– Jouke Velstra

The Water Farm: collaborative water system measures and governance approach to increase self-sufficiency of freshwater availability for agriculture

– Jouke Rozema, Pieter Pauw, Marco Arts, Esther van Baaren, Melle Nikkels, Tim Moermans, Marjan Sommeijer, Vincent Klap

Innovations

V Experiments and promising crops

10 September, 13:30 - 15:30, Room F.129

Chair: Dr. Bas Bruning

Dr. Redouane Choukr-Allah

Quinoa, a Promising Halophyte with Modified Planting Date and Minimum Water and Pesticide Requirements for Fars province, Iran

- Rezvan Talebnejad

The study of quinoa at high salinity in the field conditions

– Muhammad Shahid

Screening of Sorghum genotypes in the coastal saline region of Bangladesh

– Md. Harunor Rashid, Mustafa Kamal Shahadat, M. Amiruzzaman and M. Akkas Ali

Multi-year evaluation field trials of Salicornia bigelovii in United Arab Emirates: prospects & challenges

– Dionysia Lyra, Hifzur Rahman, Hamza Khan and R.K. Singh

VI Promising crops for saline farming

10 September, 16:00 - 18:00, Room F.129

Chair: Dr. Bas Bruning
Dr. Ed Barrett-Lennard

Physiological growth and gas exchange of saffron (Crocus sativus L) in saline and deficit irrigation condition under different planting methods

– Maryam Dastranj, Alireza Sepaskhah,
Seyed Mohammad Mirsafi

Tetragonia tetragonioides as a salt-tolerant crop in a saline agriculture context

– Giulia Atzori

Investigations of soils and plants from farms and field trials in South-East Norway, can make the local farmer better prepared from future episodes of sea water flooding

– Åsgeir R. Almås and Susanne Eich-Greatorex

VII Salinity adapted cultivation strategies

VIII

Innovation and practical experience at farm level

11 September, 11:00 - 13:00, Room F.129

Chair: Dr. Redouane Choukr-Allah Dr. Laurids Siig Christensen

Reducing Salinity Effect On Alfalfa (Medicago Sativa) Production Using Soil Condintioner – Case Of Lahbab Farm In Dubai

– Khalil Ur Rahman, Mohammed Khalifa Bin Thaleth and Khalfan Al Suwaidi

Crop Intensification option through zero tillage potato cultivation using mulch that improves soil properties in the south-western saline soil of Bangladesh – Mustafa Kamal Shahadat, Md. Harunor Rashid, Farzana Jahan Juthi and Munmun Ahmed

Performance Of Intercropping Short Duration Leafy Vegetables With Elephant Foot Yam In The Coastal Area Of Bangladesh – Md. Harunor Rashid, Mustafa Kamal Shahadat

and M. Akkas Ali

Spaarwater: sustainable and profitable usage of fresh water for agriculture in the Wadden Sea Region – Jouke Velstra, Tine te Winkel, A. Oord, S. Burger, B. de la Loma Gonzalez

Desalinization of greenhouse floors

– Stephan Jung

11 September, 15:30 - 17:10, Room F.129

Chair: Dr. Dionysia Aggeliki Lyra Dr. Redouane Choukr-Allah

Putting Saline Agriculture into Practise – a showcase from Bangladesh – Arjen de Vos

Climate resilient agricultural practices in the saline prone areas of Bangladesh

- Muhammad Abdur Rahaman Rana

Modular farming approach utilizing saline water resources to enhance food and nutrition security in desert environments: two case studies in United Arab Emirates

- Dionysia Lyra and Stathis Lampakis

Saline Agriculture, Smart Water Management and Agroforestry

– Bas Bruning, Rogier van Opstal, Eric van Zandwijk

Sustainable Saline Soils Use System for Food Security and Poverty Alleviation in Ghana

- Rosemary Nunoo

Geography and Biology

IX Revitalization of saline degraded soils

10 September, 13:30 - 15:30, Room S.110

Chair: Dr. Maria Konyushkova

The monitoring of soil salinity using remote sensing data on agricultural lands of Central Asia – Maria Konyushkova, Tatyana Khamzina, Gulchekhra Khasankhanova, Anna Kontoboytseva, Yevgenia Pankova

A Simplified Model for Soil Salinity and Sodicity in Drylands

- Isaac Kramer, Yair Mau

Droughts impacts on surface salinity levels and implications for irrigation water scarcity in the United States

– Edward Jones, Michelle T.H. van Vliet

Salinity of soil in Denmark

– Laurids Siig Christensen

Recovery opportunities and prospects for the use of degraded land in the context of structural economic and technological changes

– Mikhail Kislitskii

Revitalisation of degraded lands

– Ties van der Hoeven

\mathbf{X}

Traits affecting salinity tolerance

10 September, 16:00 - 18:00, Room S.110

Chair: Prof. Theo Elzenga

Dr. Laurids Siig Christensen

Development and characterization of an EMS mutated wheat population and identification of salt tolerant wheat lines

– Lethin Johanna, Shakil Shahriar S.M., Hassan Sameer, Sirijovski Nick, Töpel Mats, Olsson Olof, Aronsson Henrik

OsHAK9, a potassium transporter, is essential for seed germination in rice under salt stress

– Peng Zeng, Luofeng Qian, Ting Xie, Xumei
Qian, Yuqian Jiang, Zhoufei Wang, Henrik Aronsson,
Jinping Cheng, Hongsheng Zhang

Genome Wide Analysis Of WRKY Transcription Factors In The Wheat Genome With Emphasis On Regulating Salt Tolerance

– Hassan Sameer, Lethin Johanna, Blomberg Rasmus, Mousavi Hesam, Aronsson Henrik

Molecular breeding of Triticum aestivum in abiotic stress

- Esteri Viitanen, Sameer Hassan, Henrik Aronsson

Effects of elevated salinity on agronomic and physiological parameters of different mutated wheat lines

– Hesam Mousavi, Johanna Lethin, Nupur Naik, Olof Olsson, Henrik Aronsson

XI

Interactions among salinity, roots and microbial communities

11 September, 11:00 - 13:00, Room S.110

Chair: Dr. Ed Barrett-Lennard Dr. Bas Bruning

Rhizobiome of resurrection plants-potential source of plant growth promoting bacteria

- Zivko Jovanovic, Svetlana Radovic, Tamara Rakic, Jelena Lozo, Djordje Fira

Endophytic fungi-mediated salinity stress tolerance in Solanum dulcamara (Bittersweet)

- Sasirekha Munikumar, J. Theo M. Elzenga, J. Dick van Elsas, N. Nataraja Karaba
- Elucidation of root traits that contribute to yield

stabilisation in potato under climate change -Jan Henk Venema and J. Theo M. Elzenga

Root system archtecture and grass productivity under salt stress

- L. Wang, J. Theo M. Elzenga

XII

Alternative use of salt-tolerant plants

11 September, 15:30 - 17:10, Auditory F.002

Chair: Prof. Henrik Aronsson Dr. Laurids Siig Christensen

Evaluating crop salt tolerance from field trials at Salt Farm Texel – a new venue - Gerrit van Straten, Arjen de Vos, Jelte Rozema, Peter van Bodegom

Saline plant molecular factory for production of pharmaceuticals, functional feed, and biofuels using biorefinery technologies

- Mette Hedegaard Thomsen, Tanmay Chaturvedi, Iwona Cybulska

Bio-fractionation of Salicornia bigelovii to increase the value of the green biomass

– Aslak Christiansen, Henning Jørgensen, Dionysia Lyra

FINANCIAL SUPPORT PROVIDED BY















