

Preliminary Program times and content may be subject to change

	Start 11:30	Arrival / Reception in Rotkreuz with Welcome Coffee							
Monday, 8. Sep.	13:00	:00 Walcome Speech							
	13:30	30 Tutorials: all in narallel							
		Introduction to Modeling and Simulation, Debugging with Modelica and OpenModelica	FMI Beginners Tutorial	Introduction to System Structure and Parameterization (SSP)	eFMI: A beginner's overview and hands-on	Beyond Simulation: Building Workflows and Web Interfaces with Modelica and Python			
		Modeling complex thermal architectures using the DLR ThermoFluid Stream Library	3DS: Exporting and importing an FMU using C code	Using SMArtInt+: Machine- learning and easy integration of Al in Modelica	M&S of Robotic Arm Dynamics and Control in Modelica with MWORKS.	From Uncertainty-Aware Simulation to Learning-Based Control using FMI and Python			
		Regression Testing with Dymola and the Testing Library	CasADi tutorial on dynamic optimization with FMI 3.0 Model Exchange	Modeling and Simulation of profitableness in Modelica industrial energy systems	FMI3 co-simulation with UniFMU	Modiator: Develop a specialized Modelica Web-App			
	15:00	Coffee Break with Poster Presentations							
	15:30	Tutorials continued							
	16:45	4 Platin and Gold Vendor Presentations: LTX, Dassault Systèmes, Modelon, Tongyuan			6 Silver Sponsor Presentations: JuliaHub, Wolfram, XRG, orthogonal, OpenModelica, eXXcellent				
	18:45	5 Welcome Reception							
	08:30	Welcome Coffee							
	08:50	Conference Opening by Ulf Christian Müller							
	09:00	Keynote of Prof. Mishra Siddhartha on Physics-Informed Al							
	09:45	Modelica and FMI News by Dirk Zimmer							
	10:00	Short Coffee Break with Poster Presentations							
		Scientific Track on General Modelica	Scientific Track on Energy	Scientific Track on Control & Al	Scientific Track on FMI and related	Industrial Users Presentations			
Tuesday.	10:20	Modelica Tool Development	Power System Simulation	Modelica & Al	FMI Tool Developement	Modelica Applications			
9 Sep.	12:00	Lunch							
	13:00	Chemics, Pharmacology and Medicin	Thermal Management for Green Energy Systems	Robotics	Layered Standards	Aerospace			
	14:15	Coffee Break with Poster Presentations							
	14:45	Digital Twin	Media Property modellling	Control for HVAC and Buildings	FMI for energy systems	Credible Simulation, Traceability, SSP			
	16:00	Panel discussion on the value of open standards							
	17:00	Transfer to Lucerne is individual by Train (Boarding at KKL)							
	18:00		Boat-Cruise-Dinner (D	eparture 18:30 / Arrival 22:30 / 30	min Boarding and Exit)				
	08:00	Welcome Coffe							
	08:30	Keynote of Dr. Johan R Åkesson on Opportunities and Challenges in Design and Operation of Integrated Energy Systems							
	09:15	Simulation and Optimization	Pumps and Vapour Compression	FMI for Embedded Systems and Virtual Prototyping	Workflows in Systems Engineering	FMI Applications			
	10:30	Coffee Break with Poster Presentations							
Wednesday, 10 Sep.	11:00	Modeling Methods and Tools	Energy Generation Systems	Control- and Al-based Methods with FMI for Automotive	Maritime Applications	Modelica Applications			
	12:40	Lunch							
	13:40) Awards and Announcements							
	14:10	New Translation Methods and Language Experiments	Fuel Cell Modeling and Control	Control Applications in Modelica	Automotive	FMI and SSP for Model-Based System Engineering			
	15:50	Coffee To Go							

Scientific Track General Modelica Control & Al FMI and related Industrial Users Energy FMI Tool fmi Modelica Tool Development Modelica & Al **Modelica Applications Power System Simulation** Developement Luis Sanchez-Heres, Fredrik Olsson and Hans Olsson Marcelo de Castro and Luigi Vanfretti Andreas Hofmann and Lars Mikelsons Jan Östh Kanadevia Inova AG Improved Unit Inference and Checking OpenIWPI: Open-Instance Wave-Towards Integration of PeN-ODEs in a Liaison: an open-source tool for Process-based Life-Cycle Sustainability Analysis of Integrated Solid Waste in Modelica Phasor Interface Library for Power Modelica-based workflow distributed co-simulations Management Systems: A Decision-Support System Simulation Studies in Modelica Platform using OpenModelica Michele Urbani, Michele Bolognese, Luca Srijita Bhattacharjee, Fernando Fachini Linus Langenkamp, Philip Hannebohm and Luigi Vanfretti and Bernhard Bachmann Henrik Tidefelt and Quentin Lambert Pratticò and Matteo Testi Optimation AB Expanding an Open-Source Modelica On the challenges of large-scale simulation Implicit Unit Conversion in Modelica Efficient Training of Physics-enhanced A Tool for the Implementation of Open Compliant Package of Generic Neural ODEs via Direct Collocation and Neural Network Exchange Models in platforms and our solution to overcome them Renewable Energy Source Models: Nonlinear Programming Functional Mockup Units Implementation of the REEC D and REGC_B Models in Modelica and OpenIPSL Erik Henningsson, Christian Schulze, Julius Zhipeng Chen, Zhichao Huang, Chong Tim Jonas Hanke, Johannes Brunnemann, Aka, Manuel Gräber, Dag Brück, Elmir Electric Power Research Institute, US Zhou, Qi Liu, Fanli Zhou and Lipina Cher Herbert Schmidt Robert Flesch and Jöra Eiden Nahodovic and Oliver Lenord Model State Solidification Technology Analytical Treatment of Hollow Toroid Status of the SMArtInt Library: Simple Input Smoothing for Faster Co-Optimization of Hybrid Energy Systems Flux Tubes Modelica Artificial Intelligence Simulation using FMI Utilizing a Custom System Cost of Interface Ankush Chakrabarty, Marco Forgione, Hydrogen Estimation Method Baptiste Mazurié, Audrey Jardin, Pascal Thomas Egsgaard Kallesen, Søren Waagø Felix Tischer, Simon Genser, Daniel Dario Piga, Alberto Bemporad and Borel, Didier Boldo, Frans Davelaar and

Christopher Laughman

Zero-Shot Parameter Estimation of

Modelica Models using Transformer

Watzenig and Martinf Benedikt

Comparing the Predictive Event Handling Algorithm LookAhead to

Tue.

10:20

Luis Corona Mesa-Moles

Data Reconciliation for Industrial

Experiments

Traction Applications

Christiansen and Rene Just Nielsen

Master controller concept for power

flexible energy systems

Analysis of Incompressibility

Assumptions

Networks Rollback and Early Return Tue Thermal Management for Green Chemics, Pharmacology and fmi fmi fmi Robotics 13:00 Layered Standards Medicin **Energy Systems** Amin Bajand, L. Viktor Larsson, Lena Jose Sebastian Rojas Ordoñez, Mikel Buffoni, Elmir Nahodovic, Robert Finn van Ginneken and Alexander Busch Hällqvist, Hans Olsson and Martin Otter Marek Matejak Segura and Ekaitz Zulueta Bridging the gap between System Chemical 2.0 (Free open-source Modelling, Simulation and Validation of Integration of Physical and AI Models Towards a Common Portable Standard Using Open and Interoperable Modelica library) thermal propagation for 3D discretized for Model Credibility Engineering and Simulation, applied to collaborative design of Aircraft Systems battery cells in Modelica Standards: A Model-Based Methodology for Autonomous Robot Development Tobias Thummerer, Hans Olsson, Chen Tomas Kulhanek, Filip Jezek, Jiri Kofranek, Lone Meertens, Jelger Jansen and Lieve Song, Julia Gundermann, Torsten Marek Matejak and Stef Rommes Blochwitz and Lars Mikelsons Helsen Matthias Reiner Pharmacolibrary - Free Library to Development and Experimental Modelica FMI based hybrid LS-SA: Developing an FMI layered OpenSCALING: A Saah Aeronautics Model Pharmacology Validation of an Unglazed Photovoltaic reinforcement learning enhanced standard for holistic & efficient Thermal Collector Modelica Model that trajectory planning for an ADR scenario sensitivity analysis over FMUs only needs Datasheet Parameters for combined control of a satellite with a 7-axis robotic arm using Modelica/FMI Christian Bertsch, Kahramon Jumayev, Igor Belot, Francois Nepveu, Pierre Garcia, Andreas Junghanns, Pierre R. Mai, Nathan Fournier, Teddy Chedid, Etienne Benedikt Menne, Masoud Najafi, Tim Pfitzer, Jan Ribbe, Klaus Schuch. Markus Letournel, Pierre Delmas and Alexis Clément Coïc and Marco Masannek Gonnelle Antoine Pignède and Carsten Oldemeye Süvern and Patrick Täuber Introducing the NewLib Library and its Automatic Modelica Package and FMI Layered Standard for Network Combining static and dynamic FMI Standard and Airbus Needs, Usages optimization approaches for path application to multi-level, large-scale Model Generation from Templates and Communication: Applications in and Expectations Full Version planning, with collision avoidance solar field models Data Files with Python, Exemplified Networked ECU Development with URDF Tue, FMI for energy fmi fmi ssp Digital Twin **Control for HVAC and Buildings** Media Property modellling 14:45 systems Michael Wetter, Yan Chen, Karthik Devaprasad, Paul Ehrlich, Antoine Pascal Borel, Rafik Moulouel, Antoine Gautier, Jianjun Hu, Anand Prakash and Corentin Lepais and Dirk Zimmer Chupin and Felix Marsollier Marco Pritoni Karim Besbes Prototypical Control for the Digital TAeZoSysPro: A Modelica Library for Modelica Meets ASHRAE: Towards A An innovative heterogeneous modeling Twin of Aircraft Environmental Control Thermal Aeraulic and Buildings Digital Standard for Building Control approach to build a cooling system for Thermodynamics Calculations battery thermal management with System common fluid properties involving FMI terminals Sagnik Basumallik, Luigi Vanfretti, Andreas Heckmann, Alexander Poßeckert Rohit Dhumane, Dan Gorman and Karl Walther, Michael Wetter, Anand Mohammad Ali Dashtaki. Ziana Zhana and Vijaya-Bhaskar Adusumalli Rajkumar K S Prakash and Jianjun Hu Reza Pourramezan and Hossein Hooshyar Refrigerant Mixture Package for Aspects and Ideas for the FMI-based CDL-PLC translator: From Modelica Enhancing Large-Scale Power Systems Modeling of Railway Digital Twins Dynamic Simulation of Auto-Cascade HVAC control design to IEC 61131 PLC Simulations through Functional Refrigeration implementation Mockup Unit-based Grid-Forming Inverter Models Lucas Bex, Muhammad Hafeez Saeed, Lucas Verleyen, Lieve Helsen and Geert Ruirui Zeng, Hui Gao, Wei Liu, Lei Huang, Gerhard Hippmann and Blas Blanco Mula Hubert Blervaque and Félix Marsollier Deconinck Qi Liu, Fanli Zhou and Liping Chen Collaborative Digital Twin A Generic Non-Miscible Liquid-Gas Yet Another Residential District Design and Simulation Validation of Development for Railway Braking and Medium Model in Modelica with Simulator: yards for Controller Steam Power Systems Based on MBSE

Development in the Residential Built

Environment

Industrial Track

Smith Group, United States

First Modelica Model: Lessons Learned from Modeling a Chilled Water Plant in

Modelica

Dassault Aviation

Saab Aeronautics

Perspective

AIRBUS SAS, ALTEN

Aerospace

Credible Simulation. Traceability, SSP AVL List GmbH. Robert Bosch GmbH Integration of systems engineering and simulation based on standards: The needs challenges and solutions from an industrial perspective Robert Bosch GmbH Dassault Systèmes AB, eXXcellent solutions

GmbH Towards a Credible System Simulation Architecture applicable to Heat Pump Systems using Modelica, FMI and SSP

Robert Bosch GmbH, PMSF IT Consulting, eXXcellent solutions GmbH Traceability and reuse of simulation using SSP-Traceability Layered Standard

Wed, 09:15	Simulation and Optimization	Pumps and Vapour Compression	FMI for Embedded Systems and Virtual Prototyping	Workflows in Systems Engineering	fmi FMI Applications
	Francesco Casella, Bernhard Bachmann, Karim Abdelhak, Philip Hannebohm and Teus van der Stelt Diagnosing Newton's Solver Convergence Failures in the Initialization of Modelica Models	Raphael Gebhart, Martin Düsing, Niels Weber and Franciscus L. J. van der Linden Centrifugal Pump Model of the DLR Thermofluid Stream Library	Tom Reynaud, Erfan Enferad and Maxime Lefrancois Facilitating the use of Physics-Based Simulations on Embedded Devices by running FMUs from MicroPython	Mark Williams, Hubertus Tummescheit, Ajaykumar Mst and Jose Maria Alvarez- Rodríguez The Fundamental Modeling Practices and Specifications to support the Preservation and Reuse of Analytical Simulations	Robert Bosch GmbH, DLR e.V. Optimization with FMI and CasADi: Analysis in Industrial Applications
	Matteo Luigi De Pascali, Lorenz T. Biegler, Emanuele Martelli and Francesco Casella Modelica2Pyomo: a tool to translate Modelica models into Pyomo optimization models	Jiacheng Ma and Matthis Thorade Frost/Defrost Models for Air-Source Heat Pumps with Retained Water Refreezing Considered	Nils Bosbach, Meik Schmidt, Lukas Jünger, Matthias Berthold and Rainer Leupers FMI Meets SystemC: A Framework for Cross-Tool Virtual Prototyping	Erik Rosenlund, Robert Hällqvist, Robert Braun and Petter Krus Automation Nation: Taming Complex V&V Workflows in—Domain-Specific Language—Style	DNVAS Accuracy and assurance of co-simulations in marine lifting operations
	Linus Langenkamp and Bernhard Bachmann Enhancing Collocation-Based Dynamic Optimization through Adaptive Mesh Refinement	Scott Bortoff, Vedang Deshpande, Christopher Laughman and Hongtao Qiao A Dynamic Analysis of Refrigerant Mass in Vapor Compression Cycles	Tobias Kamp, Christoff Bürger, Johannes Rein and Jonathan Brembeck Hybrid Simulation Models for Embedded Applications: A Modelica and eFMI approach	Christoph Steinmann, Konstantin Wrede, Jens Schirmer and Jens Lienig Integration of Geometric Tolerance Analysis in System Simulations via Functional Mock-up Units	<i>Renault</i> Optimizing Assemblies of FMUs
Wed, 11:00	Modeling Paradigms and Language Experiemnts	Energy Generation Systems	Control- and Al-based Methods with FMI for Automotive	Maritime Applications	Modelica Applications
,	Gaadha Sudheerbabu, Dragos Truscan and Mikael Manngård Validation of Dynamic Simulation Models using Metamorphic Testing and Given-When-Then Patterns	Inga Beyers, Lukas Krebeck, Astrid Bensmann and Richard Hanke- Rauschenbach Modelling and Impact of Hydraulic Short Circuit Operation in Pumped Hydro Energy Storage	Minsu Hyun A Study on Vehicle Suspension Loads Prediction Method Based on Hybrid Road Simulation using Modelica Library and FMI	Karl Gunnar Aarsæther and Stian Skjong Shared sea-environment definition and realization for maritime and offshore co-simulations	Electric Power Research Institute, Modelon Model Predictive Controller Development in Modelica
	Dirk Zimmer The Value of Enforcing a Strict Modeling Methodology within Modelica	Markus Gillner and Arne Speerforck Modelling Aquifer Thermal Energy Storage (ATES) System with Buoyancy Flow	Tobias Thummerer, Fabian Jarmolowitz, Daniel Sommer and Lars Mikelsons Br(e)aking the boundaries of physical simulation models: Neural Functional Mock-up Units for Modeling the Automotive Braking Systems	Severin Sadjina, Lars Kyllingstad and Stian Skjong Decreasing Risk in the Design of Large Coupled Systems via Co-Simulation- Based Optimization and Adaptive Stress Testing	Danfoss AS, TLK Energy GmbH Optimized usage of heat recovery potentials in modern liquid cooled data centers to minimize their environmental impact
	Christian Gutsche, Christoph Seidl, Volodymyr Prokopets, Sebastian Götz, Zizhe Wang and Uwe Assmann Context-Oriented Equation-based Modeling in ModelingToolkit.jl	Ao Zhang and Xiang Wang Further Application of Modelica-Based Nuclear Power System Simulation: Tasks in Different Scenarios Driven by Model and Data	Jonathan Brembeck, Ricardo Pinto de Castro, Johannes Ultsch, Jakub Tobolar, Christoph Winter and Kenan Ahmic VDCWorkbench: A Vehicle Dynamics Control Test & Evaluation Library for Model and Al-based Control Approaches	Basilio Puente Varela, Maria Dolores Fernández Ballesteros, Maria Isabel Lamas Galdo and Luis Carral ShipSIM: A Modelica Library for Ship Maneuverability Modeling and Simulation	Lince S.r.L. Optimal Energy Management of a Biogas Plant Using Model Predictive Control and Forecast-Driven Optimization
	Zizhe Wang, Christian Gutsche and Uwe Assmann Context-Oriented Modelica for Advanced Variability Management	Joy El Feghali, Louis Garbay, Adrien Guironnet, Philibert Parquier, Marco Chiaramello, Martin Franke and Luka Plavec An Open-Source Industrial-Grade Collection of Renewable Energy Source Generic Models in Modelica Language	Zhiguo Zhou, Xuehua Zhou, Lin Du, Peiquan Ma, Xiang Wang, Ying Chen, Mingjia Liu, Tengyue Wang, Lixin Hui and Cun Zeng Simulation of Embodied Cyber Physical System Based on Modelica/MWORKS: A Case Study of Intelligent Unmanned Surface Vessel	Boudewijn Van Groos, Alje Van Dam, Carsten von Ohlen, Finn Theel, Johannes Brunnemann and Jörg Eiden Modelica driven development of the thermal management control system for a zero emission yacht	Samsung Electronics Development of scalable rule-based temperature feedback controls for energy- efficient condenser water loops in semiconductor factories
Wed, 14:10	New Translation Methods and Tools	Fuel Cell Modeling and Control	Control Applications in Modelica	Automotive	SSP Model-Based Workflows and SSP
,	Benoît Caillaud, Albert Benveniste and Mathias Malandain Benchmarking the Modular Structural Analysis Algorithm	Michele Bolognese, Emanuele Martinelli, Luca Pratticò and Matteo Testi Dynamic modelling of an Ammonia2Power (A2P) system at high efficiency using a solid oxide fuel cell (SOFC) system	Alberto Leva On the precise and efficient representation of industrial controllers in Modelica	Massimo Stellato, Alberto Momesso, Theodor Ensbury and Alessandro Picarelli Race Car Braking System Thermal Model for Real Time Use in a Driving Simulator	DENSO Automotive, BMW Group Open-source ADAS Use Case for MBSE and Seamless Collaboration using SSP
	Martin Otter and Hilding Elmqvist Resizable Arrays in Object-Oriented Modeling	Emanuele Martinelli, Michele Bolognese, Nirmala Nirmala, Narges Ataollahi and Matteo Testi Direct Ammonia Solid Oxide Fuel Cell Stack: Modelling and Experimental Validation	Rüdiger Franke, Marcin Bartosz and Rasmus Nyström Master controller for offshore wind power and hybrid grids	Filip Cieslar Integrated Multidomain Simulation for Noise Reduction in Automotive Headlamp Cooling Systems	DENSO Automotive, PMSF IT Consulting Transmission Control Unit Use Case for Virtual ECUs and SSP-based Collaborative Development
	Karim Abdelhak and Bernhard Bachmann Constant Time Causalization using Resizable Arrays	Markus Pollak, André Thüring and Wilhelm Tegethoff Dynamic Simulation of a PEM Electrolysis System	Reiko Müller The FlightControl library for aircraft control design applications	Jan Friedrich Hellmuth, Markus Pollak, Andreas Schulte, Wilhelm Tegetholf and Jürgen Köhler Solid-State Battery-Systems and Thermal Management for Electric Long- Distance Buses	Toshiba Digital Solutions Corporation Cross-Company Collaborative Model- Based Development using FMI3.0 and SSP2.0
	Hilding Elmqvist and Martin Otter Modiator - a Web App for Modelica Simulation	Axelle Hégo, Félix Bosio and Sylvain Mathonnière Model-Based Control Design for a Multi- Stacks SOC System	Tilman Bünte Quasi-Periodic Feedforward Control based on Inverse Model tabled FFT	Jaewung Jung, Alessandro Picarelli, David Briant, Kodir Sahin, Garron Fish, Victor- Marie Lebrun, Christopher Stromberger, Arnaud Colleoni and Quentin Prieto Development of a Multi-Physical Simulation Platform for Durability Prediction for Hyundai & Kia Electric Vehicles	MAN Energy Solutions Neural Network-Based Reduced-Order Model of a Large-Scale CO ₂ Heat Pump for Real-Time Simulation and Digital Twin Applications

	Scientific Poster Presentations						
Mon, Tue, Wed, all day	Philip Hannebohm and Bernhard Bachmann Selective Evaluation of RHS during Multi-Rate Simulation	Markus Gillner, Jan Westphal, Béla Wiegel, Tom Steffen, Julian Urbansky, Anne Hagemeier, Stefanie Ruppert, Annika Heyer, Jörn Benthin, Tim Hanke, Johannes Brunnemann, Christian Becker and Arne Speerforck Status of the TransiEnt Library: Transient Simulation of Complex Integrated Energy Systems	Joshua Brun, Thomas Sergi, Sylvan Mutter, Tim Arnold and Ulf Christian Müller From Simulation to Reality: Deployment of Reinforcement Learning Based Neural Network Controllers Trained with Modelica Models	Stefan H. Reiterer, Alexander Meierhafer, Ivan Vidovic, Marco Forberger, Benjamin Stuntner and Jochen Nowotny Railway Marketplace for Data, Know- How and Services			
	Gustavo Canon, Volodymyr Prokopets, Fabian Elizondo Arrieta, Eliécer Arias and Alexander Zeißler A Thermal Digital Twin of Asphalt Pavements: Implementation and Application to an Instrumented Pavement in Costa Rica	Carles Ribas Tugores, Gerald Zotter and Carina Seidnitzer-Gallien Absolut Modelica library	A. Phong Tran and Fatma Cansu Yücel Safe and Efficient Control of a Brayton Cycle Heat Pump Using Reinforcement Learning	Simon Müller, Abdulrahman Dahash, Shariq Akbar, David Schmitt, Peter Bayer and Tobias Schrag Integrating a Seasonal Thermal Energy Storage FMU in a MATLAB/Simscape Thermal Source Network Model			
	Micah Condie, Abigaile Woodbury, James Goppert and Joel Andersson Rumoca: Towards a Translator from Modelica to Algebraic Modeling Languages	Marcelo Muro, Guido Sassaroli and Riccardo Lazzari MultiEnergySystem: A Modelica Library for Dynamic Modeling and Simulation of District Heating and Gas Networks	Robert Weber, Staša Gejo, Rainer Gehring and Lars Mikelsons Identification and Elimination of Instabilities During Simulation of Highly Stiff Vehicle Electrical Power System Models	Alberto Romero, Johannes Angerer, Elias Steinkellner and Luca Belforte A low complexity physics-based aging model for lithium ion cells with solid electrolite interface and lithium plating side-reactions			
	Requirement Verification with CRML and OpenModelica Requirement Verification with CRML and OpenModelica	Christophe Montsarrat, Pascal Borel and Ana Paez Calibration of a Chiller Modelica model with experimental data	Mathieu Specklin, Elie Solai, Clémence Rouge and Michael Deligant Dynamic modeling of a liquid piston compressor system including conjugate heat transfer	Li Zuo, Yuanhui Dong, Shubin Zhang, Yuxin Li, Ji Ding, Qi Liu, Fanli Zhou and Liping Chen Dynamic Simulation of Off-Grid Energy Island with Wind-PV-Storage Hydrogen Production			
	Songchen Tan, Keming Miao, Alan Edelman and Christopher Rackauckas Scalable Higher-order Nonlinear Solvers via Higher-order Automatic Differentiation	Pierre Blaud and Imad Mourtaji A Dynamic Simulation Model of Outdoor Swimming Pool with Thermal Energy Storage, Boiler and Solar Thermal Collectors	Fabian Lagerstedt, Samuel Kärnell, Marcus Rösth and Liselott Ericson Modeling and Simulation of a Direct Heat Recovery System for Cabin Heating in Battery-Powered Mobile Machines	Bahareh Bakhsh Zahmatkesh, Mina Shahi and Amirhoushang Mahmoudi Physics-Based Dynamic Modeling of Solar-Powered Off-Grid Cold Storage for Perishables Using Modelica: A Case Study – Xingalool, Somalia			