

Mathematics

Priority Area	
Innovation and Technology	
Abstract	
Building on over twenty years of successful collaboration between African and European partners, CoRE-Math is ready to take a critical next step in supporting socio-economic development in Africa and address significant challenges as described in the SDGs. CoRE-Math seeks to enhance multidisciplinary and interdisciplinary research and promote the applications of mathematics beyond academia. Additionally, their planned doctoral programme aims to produce graduates proficient in mathematics and computing skills, well-prepared to adapt to and excel in a rapidly evolving job market, thereby increasing productivity. To achieve these goals, CoRE-Math will create platforms for academia-industry interaction and interdisciplinary research. These platforms will include working groups, contact workshops, industry and innovation days, modelling weeks, and statistics offices. Furthermore, CoRE-Math will develop a high-standard collaborative PhD programme to expand PhD training and meet societal demands. They will also ensure that the existing postgraduate programmes are up-to-date and aligned with societal priorities.	
Co-Leads (Academic, University)	
ARUA	The Guild
John Magero Mango, Assoc. Prof. EAUMP Inter-Network Ismail Mirumbe, Senior Lecturer, Head of Department Prof. Mukadasi Buyinza, DVC Academics - Makerere University, Uganda	Bengt Ove Turesson, Head ISP, Director IPMS Georgios Dimitroglou Rizell Head Department of Mathematics Jörgen Östensson, Head of the Centre for Interdisciplinary Mathematics (CIM) Prof. Charlotte Platzer Björkman, DVC Science and Technology - Uppsala University, Sweden
Core Partners (Academic, University)	
Girum Aklilu, Senior Lecturer, Head of Department - Addis Ababa University , Ethiopia	
Tilahun Abebaw, Senior Lecturer - Addis Ababa University , Ethiopia	
Sylvester Rugehyamu, Senior Lecturer, Head of Department – University of Dar es Salaam , Tanzania	
Prof. Steffen Müller - University of Groningen , Netherlands	
Prof. Gareth Amery, Head of Department of Mathematics – University KwaZulu Natal , South Africa	
Prof. Stephen Luketero, Head of Department – University of Nairobi , Kenya	
Prof. Giulia Di Nunno, Professor, Risk and Stochastics – University of Oslo , Norway	
Celestin Kurujibwami, Senior Lecturer, Head of Department – University of Rwanda , Rwanda	
Prof. Balázs Szendrői, Professor in Algebraic Geometry – University of Vienna , Austria	
Prof. Sibusiso Moyo, Deputy Vice Chancellor of Research, Innovation and Internationalisation - Stellenbosch University , South Africa	
Prof Gareth Boxall, Professor, Head of Division (Mathematics), Department of Mathematical Sciences – Stellenbosch University	
Other Partners (including non-academic ones)	
Mervis Kikonko, Assoc. Prof., Head of Department – University of Zambia , Zambia	
Prof. Lassi Roininen, Professor in Applied Mathematics - Lappeenranta-Lahti University of Technology , Finland	
Prof. Martin Singull - Linköping University , Sweden	
Prof. Tom Britton & Paul Vaderlind - Stockholm University , Sweden	
Assoc. Prof. Diletta Martinelli - University of Amsterdam , Netherlands	
Prof. Guttorm Alendal - University of Bergen , Norway	
Prof. Alessandra Micheletti, President - European Consortium for Mathematics in Industry (ECMI) , Netherlands	
Prof. Wil Schilders, President - International Council for Industrial and Applied Mathematics (ICIAM) , Netherlands	