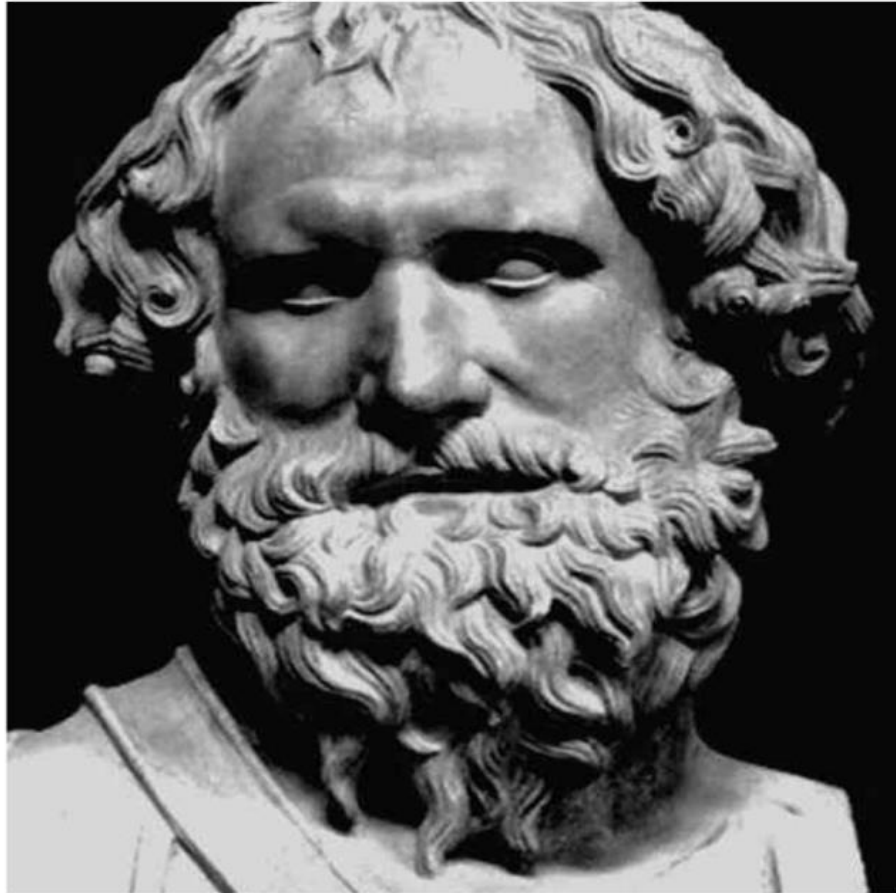


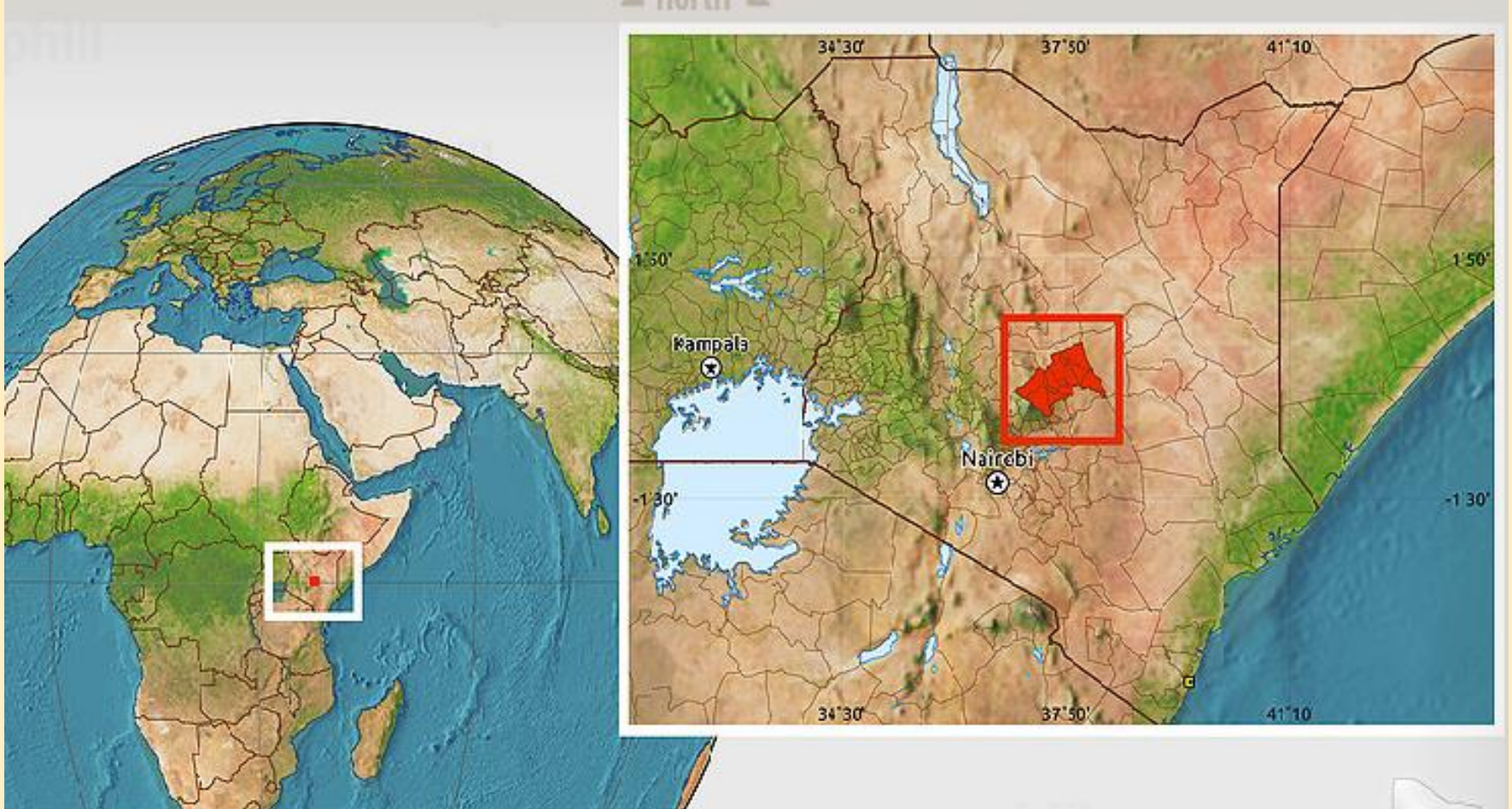
Research is a MUST.

ARCHIMEDES RESEARCH CENTER



Meru University of Science and Technology
Kenya

From Meru University of Science & Technology (MUST) a call to the world



Dr. IOANNIS TSIPOURIDIS, Director of Archimedes Research Center
Technical Advisor of Research, Internationalization & visiting professor



Who and where we are

Meru University of Science and Technology (MUST) is a public university located in Meru County, Kenya.

It was established in 2008, chartered in 2013 and is one of the universities under the Ministry of Education, Science, and Technology in Kenya.

The university is located at the slopes of Mount Kenya and is surrounded by Natural Reserves and Safari Parks



Directorates

1. Research Innovation, Commercialization and Extensions (RICE)
2. Technical and Vocational Education and Training (TVET)
3. Open Distance and e-Learning (ODeL)
4. Quality Assurance and Career Services (QA&CS)
5. Postgraduate Studies
6. Center for Processional Studies (CPS)
7. Teaching Programs & Learning (TPL)
8. Liasson/ International office
9. Sanitation Research Institute
10. Cement Research Institute

Some examples of Research in progress at MUST

1. Sanitation research
2. Cement research
3. E-waste
4. Camel research
5. EPIVOT project
6. End of life vehicle (ELVs) recycling and material reprocessing
7. Value addition of Avocado (*Persea americana*) by incorporating its by-products into food and beverages.
8. Investigating the factors of drip irrigation successes and failures among smallholder farmers in Kenya
9. Development and Validation of Digital Medical Laboratory Educational platform



Areas where collaboration is welcome.

1. **In research & innovation funded projects**
2. In Staff and Student Mobility
3. In joint teaching through blended mode approach
4. In jointly Organising international conferences
5. In jointly Organising international conferences
6. In Training & Capacity development of staff
7. **In Accessing grants for infrastructure development**
8. **In cultural exchanges**

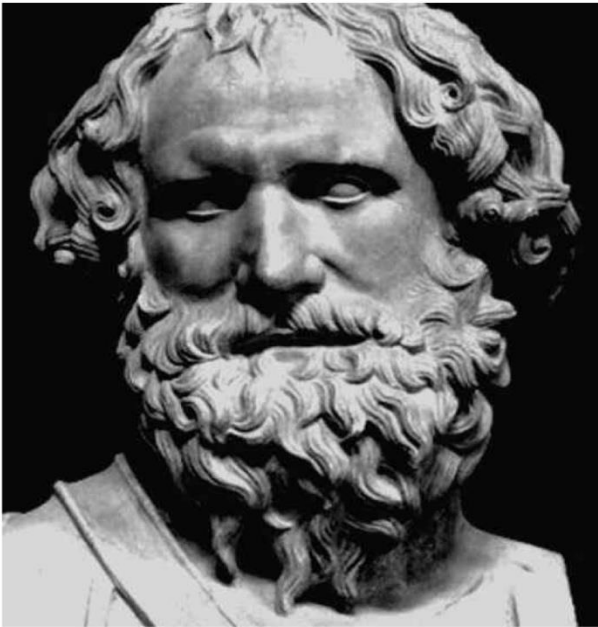


The ARCHIMEDES Research and Innovation center



THE ARCHIMEDES RESEARCH CENTER

ARCHIMEDES RESEARCH CENTER

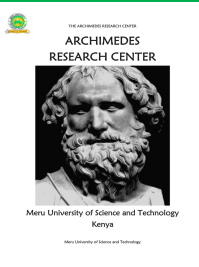


Meru University of Science and Technology
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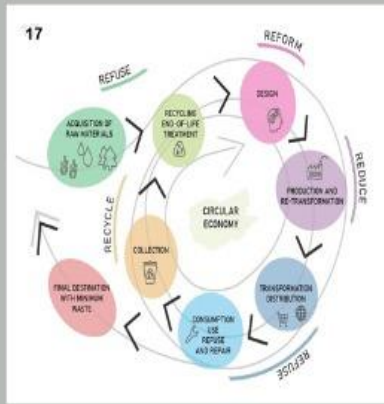
The ARCHIMEDES Research and Innovation center aims to inform, guide and support policy decisions and actions pursuing sustainable development in all economic & social sectors in Sub Saharan Africa, through nature based solutions, clean energy transition and climate mitigation & while supporting urgent climate adaptation and climate resilience solutions.



ARCHIMEDES: a photorealistic overview



ARCHIMEDES: the constituent elements



MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY
Office of the Vice Chancellor

ARCHIMEDES
Climate and Energy Research Center

- 1.Climate & Energy Policy Lab / NTU Athens
- 2.Green Hydrogen Hub / CErTH West Macedonia
- 3.Electric Mobility Lab / University of West Africa
- 4.Urban Heating & Cooling Lab / UNSW Australia / Prof. Mat. Santamouris
- 5.Modelling Tools Lab / Politecnico di Milano
- 6.International Climate Law & Negot. Chair / L&D Collaboration Group
- 7.Solar and Wind Vocational Training Center / CRES Greece
- 8.Media / Comms Center / MUST's Distance Learning Department
- 9.MUST courses Unit / MUST Curriculum Committee
- 10.Auditorium
- 11.Secretariat
- 12.Director's Office / SEV Liaison Office
- 13.Refectory
- 14.Washrooms
- 15.Patio
- 16.A 'Walk in Renewable Training / Exhibition Ground'
- 17.A 'Walk in Circular Economy Teaching / Exhibition Ground'.
- 18.Storage container.

P.O.Box 972-60200 Menu Kenya Tel No : +254704508454
Website: www.must.ac.vc@must.ac.ke

Architect: Korallia Papaioannou Dip. AUTH. M.Sc. AUTH.
Drama, Greece, www.koralpap.gr

ARCHIMEDES: the layout



ARCHIMEDES: the Labs

Immediate areas of research and collaboration focus



1. Energy and Climate Policy.
2. Urban heating and intervention in Cities.
3. Green Hydrogen Production, Transportation, Storage and Utilisation.
4. Climate Modeling for Sustainable Development.
5. Electric mobility and Sustainable Transportation.
6. International Climate Law & Negotiations for Loss & Damage
7. TVET for Solar and Wind technologies
8. Dissemination, distance learning & outreach to schools and communities
9. Extensions and collaborations with international Industrial associations

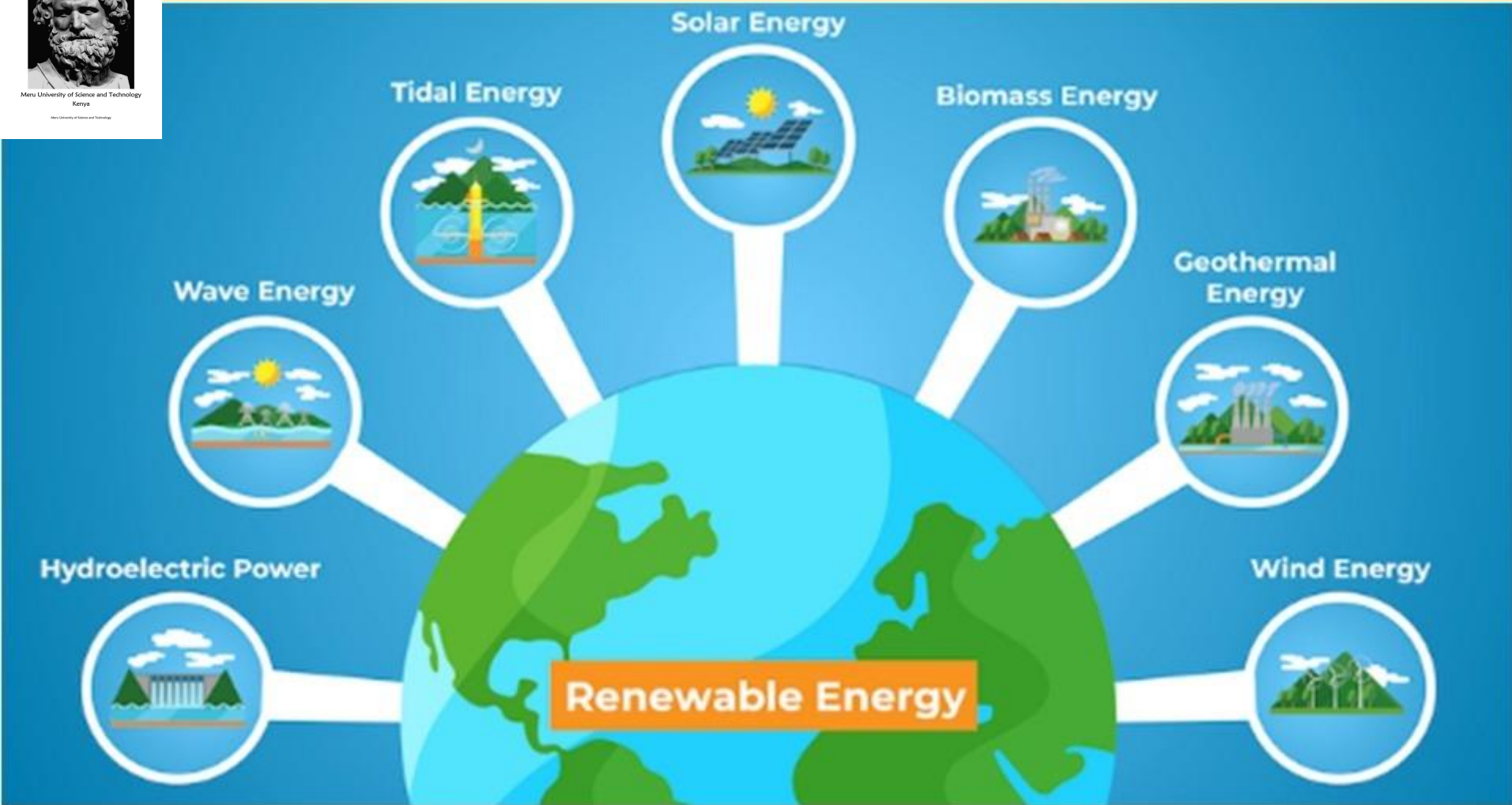
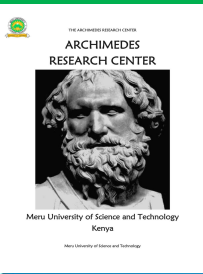


ARCHIMEDES: the community open space

18



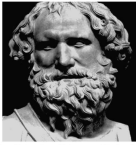
A walk in Renewables Playground



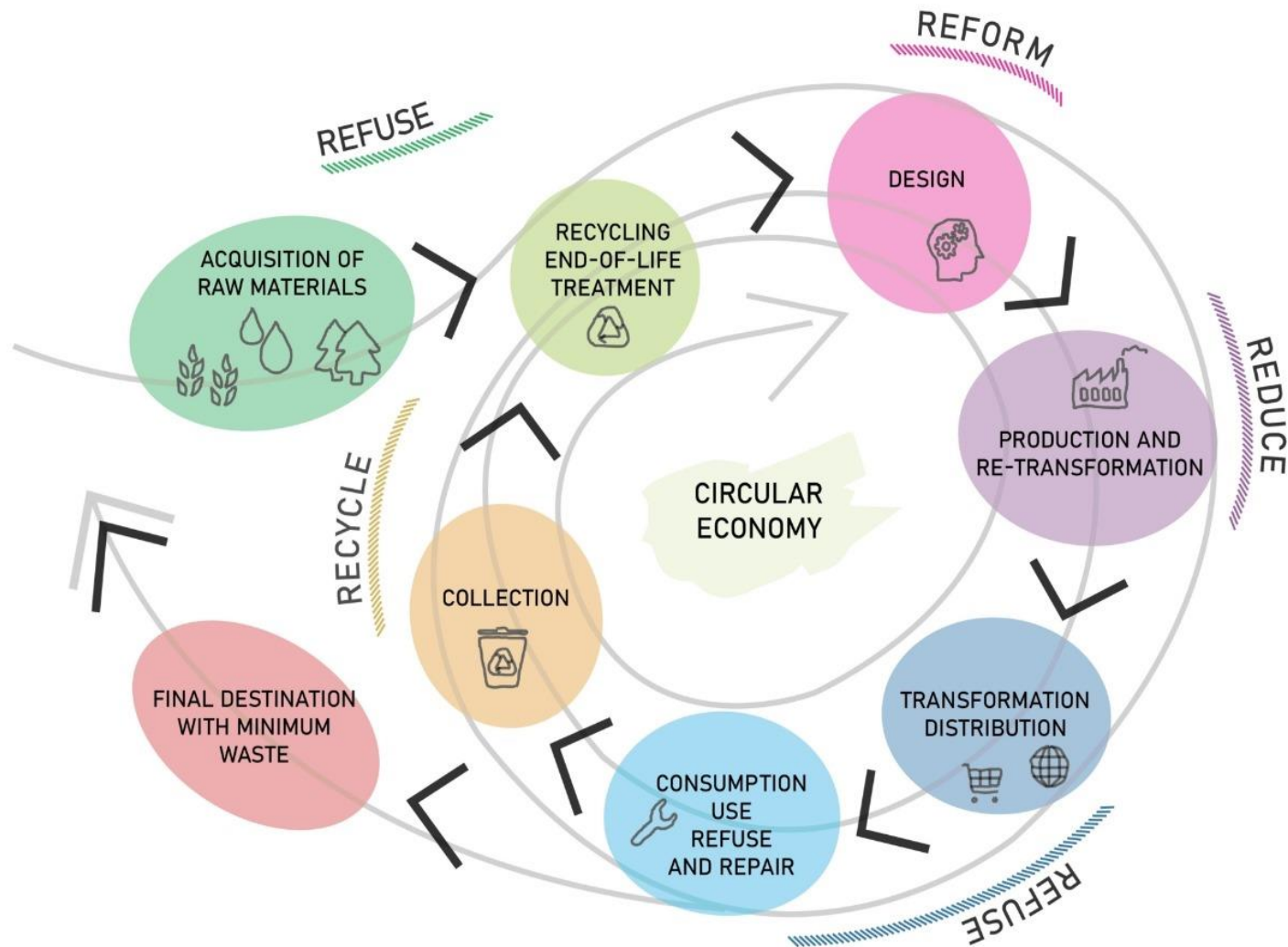
A walk in circular economy playground



ARCHIMEDES
RESEARCH CENTER



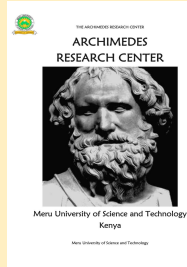
Meru University of Science and Technology
Kenya



ARCHIMEDES: the vision

Future areas of research and collaboration focus

1. All Sustainable Development Goals and especially no 6, 7, 9, 12, 13, 14, 15
2. Accelerate Renewable Energy Integration in SSA
3. Tidal & Wave energy & Offshore Wind
4. Bioenergy and Biofuels &
5. E-Waste Management and Lithium-ion Battery Recycling
6. County Outreach and engagement with businesses
7. Community Engagement and Education & Primary and Secondary education engagement
8. Cross-Disciplinary Collaboration & Policy Advocacy and
9. East African Intervention & Engagement through the **East African Sustainable Universities Network(EASUN)**



ARCHIMEDES: courses

DEGREES AND DURATION OF RESEARCH

The research programs to be offered at ARCHIE adhere to the university's standard degree structures, with the following durations:

After a project and preparation period lasting no longer than one year:

A 2-year M.Sc. program, with a maximum completion time of 4 years.

A 3-year Ph.D. program, with a maximum completion time of 6 years.

ARCHIE embraces international collaboration and warmly invites partnerships with foreign universities and research institutions.

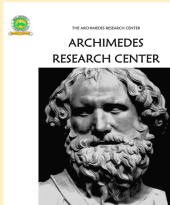
We extend a welcoming hand to visiting students who wish to conduct or finalize their research endeavours in Kenya. Additionally, we are strongly invite distance learning initiatives on a case-by-case and subject-specific basis.

TEACHING AND SHORT COURSES WE WILL BE CONDUCTING

ARCHIE will participate in the courses at MUST by:

Introducing a fully-fledged unit on Renewables in current School of engineering and Science degrees

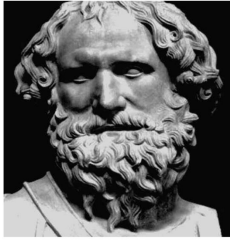
Introducing a unit on introduction to Renewables, Climate science and sustainability in current social sciences and arts faculty departments



Δωσ μοι πα στω και ταν γαν κινάσω» Αρχιμήδης

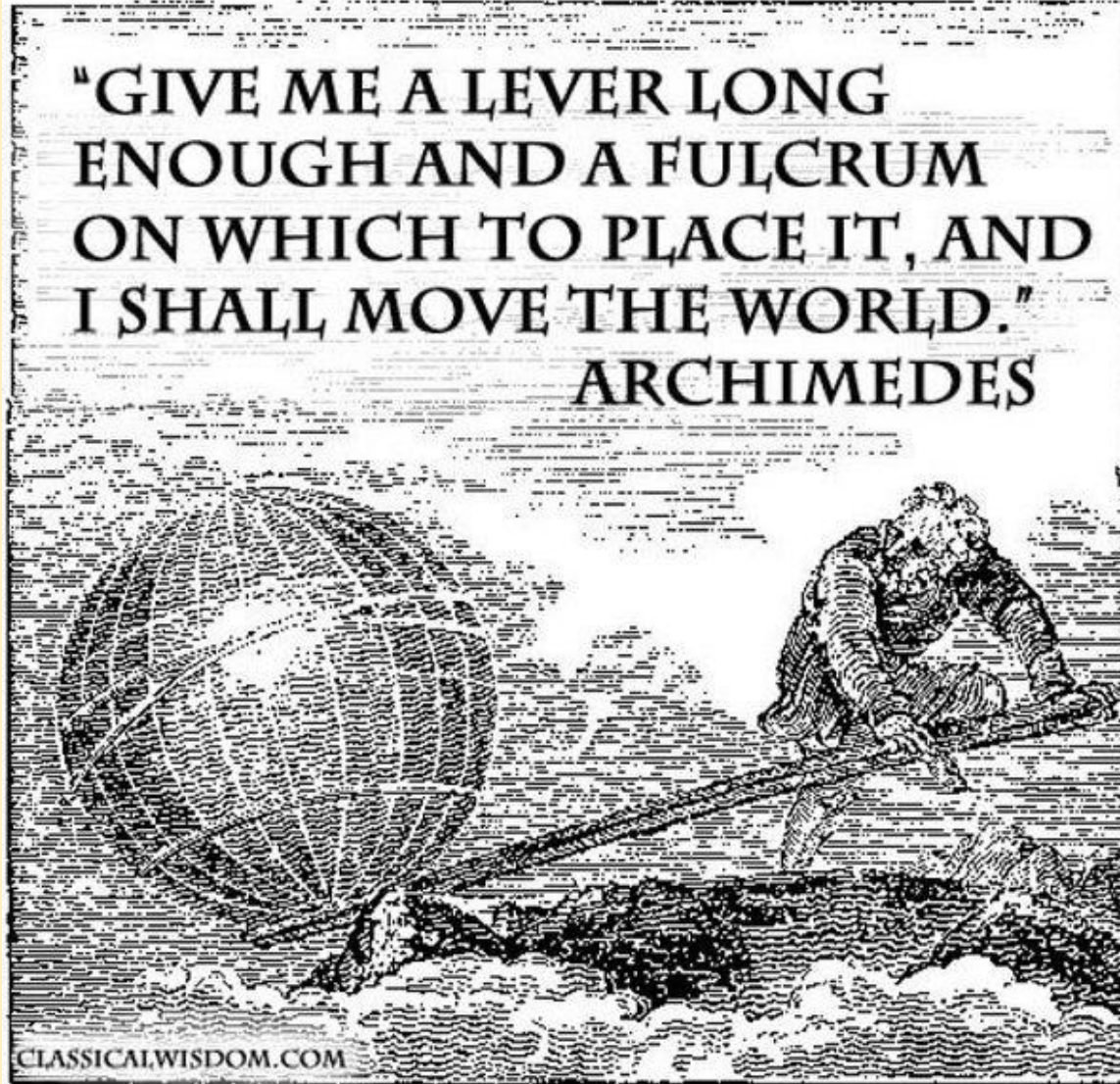


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Meru University of Science and Technology
Kenya

Meru University of Science and Technology



Africa For Renewables In Climate Action



Thank you

Dr. Ioannis Tsipouridis / anemologia99@gmail.com / +30 6972 338150 (whatsapp)

