



TARDA NEWS

TANA AND ATHI RIVERS DEVELOPMENT AUTHORITY

MINISTRY OF EAC, THE ASALS, AND REGIONAL DEVELOPMENT

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HIGHLIGHTS

Strengthening Dam Safety For Sustainable Development



TARDA's Managing Director Mr. Liban Roba on 4th-8th May 2026 participated in the Dam Safety Experience Sharing and Training Workshop convened under the Nile Centre for Dam Safety, an initiative of the Nile Basin Initiative, bringing together regional institutions, technical experts, and global partners to strengthen dam safety management across Africa.

On the first day of the engagement, participants undertook a technical site visit to the Gibe III Dam in Ethiopia—one of the continent's most significant hydropower investments. As the tallest RCC dam in the world at 243m and with an installed capacity of 1,870 MW, the facility offers critical insights into large-scale infrastructure development, operational management, and regional energy integration.

The workshop comes at a time when dam infrastructure across Africa is expanding rapidly, alongside increasing

pressure from climate variability and aging assets. Within the Nile Basin alone, over 800 dams have been identified, underscoring the importance of coordinated approaches to safety, risk management, and institutional capacity development.

Through this engagement, TARDA, as custodians of the #Masinga and #Kiambere Dams continues to strengthen its approach to dam safety as a core component of basin-based development. The Authority remains committed to advancing sustainable water resource management, enhancing infrastructure resilience, and contributing to regional knowledge exchange platforms that support long-term socio-economic development.

At TARDA, this is the model—restore ecosystems, strengthen water catchments, and build resilience that lasts.

Because climate action only matters when it touches the ground—and stays there.

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EXPLORING THE FUTURE OF REGIONAL HYDROPOWER, DAM SAFETY AND ENERGY INTEGRATION



Day Two of the Dam Safety Experience Sharing and Training Workshop under the Nile Centre for Dam Safety (NCDS) and the Nile Basin Initiative saw the Tana and Athi Rivers Development Authority's Managing Director, Mr. Liban Roba, participate in a high-level technical visit to the Koysha Hydroelectric Project in Ethiopia. The visit offered valuable exposure to one of Africa's most ambitious hydropower and regional energy integration projects currently under development. With an estimated investment exceeding USD 2.5 billion and projected generation capacity of up to 2,160 MW, Koysha represents more than large-scale infrastructure. It reflects the growing shift toward integrated regional systems capable of supporting energy security, climate resilience, industrialization, and cross-border economic cooperation across Eastern Africa.

Of particular interest during the engagement was the project's incorporation of Pumped Hydro Energy Storage (PHES) technology — an innovative approach that effectively allows the dam to function as a large-scale regional energy storage system or “water battery.”

The model enables excess renewable energy generated during low-demand periods to be stored through pumped water systems and released during peak demand, strengthening grid stability while improving integration of wind and solar power into regional energy systems.



The workshop further provided important insights into: ***RCC dam construction quality assurance; Dam foundation preparation and treatment; Advanced hydropower engineering systems; Regional dam safety governance frameworks; and The future of interconnected water-energy infrastructure systems within the Nile Basin region.***

For TARDA, participation in such regional technical engagements remains important in strengthening institutional knowledge, advancing dam safety practices, and supporting long-term thinking around sustainable basin-based infrastructure development.

As Eastern Africa continues to expand investments in water, energy, and climate-resilient infrastructure, regional cooperation and technical knowledge exchange will remain central to building more integrated and sustainable development systems for the future.

FROM DATA TO DEVELOPMENT: POWERING SMARTER RIVER BASIN SOLUTIONS THROUGH INNOVATION



On 25th May 2026, TARDA, led by Managing Director Mr. Liban Roba, hosted the University of Nairobi C4DLab Innovation Fellows led by Dr. Sam Ruhui, for a forward-looking engagement focused on leveraging technology, research and data-driven innovation to tackle some of the most pressing regional development challenges within the Tana and Athi River basins.

The engagement provided an opportunity for the fellows to present innovative, home-grown solutions developed through extensive field research, stakeholder consultations and technical analysis following visits to key project areas including the Kinangop Tree Nursery, Njabini Forest Station, the Inter-Basin Transfer Tunnel, Sasumua Dam and the Tana Delta Irrigation Project (TDIP).

Discussions centred on predictive modelling, proactive flood response systems, infrastructure optimization, soil degradation mitigation, water resource management and climate resilience. The team also showcased a prototype dashboard designed to transform complex environmental and hydrological data into practical, actionable insights to support planning, decision-making and sustainable development interventions.

As an Authority mandated to champion integrated regional development, evidence-based advisory and strategic partnerships, TARDA recognizes innovation and collaborative research as critical enablers in strengthening sustainable natural resource management and climate adaptation initiatives. The feedback and insights shared during the session will help refine the proposed solutions and shape scalable interventions capable of creating meaningful impact for communities across the river basins.

TARDA appreciates the continued collaboration with the University of Nairobi, and commends the C4DLab Innovation Fellows for their ingenuity, dedication and bold vision for the future!

The future of development is intelligent, collaborative and data-driven — and today's engagement demonstrated exactly what is possible when academia and public institutions align around solutions that matter.



CHAMPIONING FISCAL DISCIPLINE AND DELIVERY IN REGIONAL DEVELOPMENT



On 20th May 2026 TARDA accompanied the Principal Secretary for ASALs and Regional Development PS Kello Harsama during the Kenya National Assembly Departmental Committee on Regional Development’s consideration of the 2026/2027 Budget Estimates. The TARDA Team at the meeting were led by Director, Corporate Services, Mr. David Kimaiyo.

The engagement brought together the National Treasury, Principal Secretaries, and Regional Development Authorities as well as National Drought Management Authority to review budget proposals, interrogate implementation performance, assess pending bills, and test alignment with the Bottom-Up Economic Transformation Agenda (BETA).

What stood out is the increasing clarity across government: budgets are no longer just planning instruments — they are delivery contracts. The focus is shifting firmly toward execution discipline, value for money, and measurable outcomes for citizens.

For TARDA, this aligns directly with our mandate across basin development, water resources management, and ecosystem-based livelihoods. It reinforces the need to tighten implementation pathways, strengthen inter-agency coordination, and ensure every allocated shilling translates into visible impact on the ground.

We continue to engage constructively with Parliament, the National Treasury, and our parent Ministry to advance a more accountable and results-oriented regional development framework.

RESTORING RIVER ATHI: HOW BAMBOO IS POWERING A NEW FRONTLINE FOR ENVIRONMENTAL RECOVERY

River Athi is one of Kenya’s most important water systems — supporting communities, agriculture, ecosystems, and industry across multiple counties. Yet years of pollution, waste discharge, and environmental degradation continue to place immense pressure on the river and the livelihoods that depend on it.

In response, TARDA, working alongside partners such as #KisakaFoundation and local communities, is advancing bamboo-based restoration initiatives along sections of the Athi River as part of broader catchment rehabilitation efforts.

CLIMATE ACTION
Restoration



Teta and Athi Rivers Development Authority Field Coordination Services Manager Beatrice Ochieng and John Kabei, environmental expert and founder Kinaka Foundation Kenya, during bamboo planting exercise along River Athi on April 23. STANLEY NGOTHU/NATION

The battle to save River Athi with bamboo as pollution hits critical levels

Once home to hundreds of hippos, the river is now under siege from effluents, plastics, and sewage. Residents and experts are turning to bamboo trees to absorb toxins, stop erosion, and bring the dying ecosystem back to life

BY STANLEY NGOTHU

For residents who grow up to Athi riverbank in Machakos County during the 1980s and 1990s, River Athi was a thriving ecosystem full of aquatic life — from various fish species to hundreds of hippos. The river earned the area its name “Machakos” Kamba dialect reference to the hippos. However, environmental experts now estimate that more than 90 per cent of urban and industrial wastewater in the upper Athi basin is discharged with limited treatment, contributing to sewage pollution that affects thousands of downstream communities. The source river is increasingly under strain from industrial effluents, chemical discharges, solid waste, and untreated domestic sewage. This has led to deteriorating water quality, loss of aquatic biodiversity and increased health risks for communities relying on the river for domestic and agricultural use. In an effort to restore the river, the Teta and Athi Rivers Development Authority (TARDA) is collaborating with other environmental watchdogs such as Machakos County Environmental Department and Kinaka Foundation Kenya to undertake an ambitious bamboo tree planting initiative along the banks of the endangered river. The move aims to catalyze restoration of degraded catchment areas along the Athi River basin as pressure on the country’s critical water systems continues to rise. Bamboos, often referred to as the “emerging green gold” due to its environmental advantages, is seen as the centre of efforts to restore the once vibrant river ecosystem. TARDA Managing Director Likhi Dufu has called communities along the Athi River corridor to adopt bamboo-based initiatives because of its unique advantages. These include its fast-growing nature — some species can grow up to one metre per day under ideal conditions — and renewable harvesting, since bamboo regenerates from its root system after cutting. Bamboos trees have a high carbon absorption capacity, making them a strong natural climate mitigation tool. They are also ideal for soil stabilization, helping to reduce riverbank erosion and siltation, Dufu said. TARDA is also promoting low-cost bamboo propagation techniques. One key method involves collecting soil bamboo shoots (cuttings) from mature stands. These are then nurtured in local nurseries before being transplanted to restoration sites.

Bamboo is emerging as a practical nature-based solution with significant environmental value:

- Stabilizing riverbanks and reducing erosion;
- Supporting restoration of degraded riparian ecosystems;
- Enhancing carbon sequestration and climate resilience; and
- Contributing to long-term watershed protection.

This initiative reflects a growing recognition that restoring Kenya’s river systems requires integrated, community-driven and climate-conscious interventions capable of delivering both environmental and socio-economic impact.

Protecting River Athi is not simply about conserving a waterway. It is about safeguarding ecosystems, strengthening climate resilience, and securing sustainable futures for generations to come.

PLANTING FOR POLLINATORS, CLIMATE ACTION AND COMMUNITY RESILIENCE



The journey to this year's #WorldBeeDay officially begun in Museve, Kitui County, with TARDA joining the launch of a large-scale fruit tree seedling distribution initiative held on 7th May 2025 aimed at strengthening environmental conservation, pollination awareness, and sustainable livelihoods.

Over 20,000 bee-friendly fruit tree seedlings were distributed to community members in an effort to support ecosystem restoration, enhance biodiversity, improve food security, and build climate resilience through sustainable agriculture.

The initiative was implemented through a collaborative effort involving Rockland Credit, the Kitui County Government, ward administrators, and the Museve Chief's Office.

Speaking during the recent exercise, the Chief Guest from the Ministry of Agriculture and Livestock Development underscored the importance of tree planting in advancing carbon sequestration, restoring degraded landscapes, supporting pollinator ecosystems, and helping farming communities adapt to climate change.

As the world prepares to mark World Bee Day on 20 May 2026, the initiative served as a strong reminder that protecting bees also means protecting food systems, biodiversity, and the future of our environment.

WHEN BEES THRIVE, COMMUNITIES SURVIVE: TARDA COMMEMORATES WORLD BEE DAY 2026



World Bee Day 2026 was yesterday commemorated at Kanyangi Chief's Camp in Kitui South Sub-County, as part of wider country celebrations, bringing together communities, government agencies, development partners, conservation actors, and farmers in a shared call to protect pollinators and strengthen sustainable livelihoods.

The event, held under the theme "Bee Together for the People and the Planet – A Partnership that Serves Us All," highlighted the growing connection between environmental conservation, food security, climate resilience, and community empowerment.

The celebration, held on 20th May 2026 was graced by the Chief Officer for Livestock as Chief Guest, alongside representatives from the County Government of Kitui, Ministry of Agriculture, Ministry of Interior, Kenya Forest Service (KFS), Kenya Forestry Research Institute (KEFRI), NCKK, ADRA, Biovision Africa Trust, ADSE, Caritas, MRDP, Dorcas International, World Vision, and other stakeholders committed to sustainable development.

Discussions throughout the day reinforced a simple but critical reality: bees are not just producers of honey — they are frontline workers in our ecosystems. Their role in pollination directly supports agricultural productivity, biodiversity conservation, and food systems that millions depend on. TARDA's own Eresmus Bundi created awareness of the Authority's initiatives towards this noble cause. The event also created awareness on the threats facing pollinators, including deforestation, climate change, habitat destruction, and unsustainable farming practices, while encouraging communities to embrace modern beekeeping as both an economic opportunity and an environmental solution.

At TARDA, we recognize that protecting pollinators is part of protecting livelihoods, ecosystems, and the future resilience of our communities. Because when bees disappear, the warning is not ecological alone — it is economic, agricultural, and deeply human.

RESTORING RIVERS, ONE BEE PLANT AT A TIME: MORE HIGHLIGHTS FROM TARDA'S COMMEMORATION OF WORLD BEE DAY 2026



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In Embu County, #WorldBeeDay2026 went beyond celebration — it became a practical demonstration of ecosystem restoration in action.

TARDA Embu staff, led by Tana Basin Region Coordinator Mr. Joses K. Mugambi, joined the Eastern Region Commissioner Mr. Rotich, regional government officers, and stakeholders in mapping and planting bee-friendly vegetation along River Rupingazi, which borders Embu and Kirinyaga counties. The initiative forms part of a larger restoration effort that will see 50,000 bee plants established along the river corridor to support pollinator conservation, strengthen riparian ecosystems, and enhance environmental resilience within the basin.

Earlier in the day, TARDA participated in a stakeholders' engagement at the County Commissioner's office before joining regional heads and visiting guests in a symbolic tree planting exercise at the Eastern Region Commissioner's compound.

What makes this initiative significant is that it moves beyond awareness into long-term stewardship. TARDA will oversee the growth, maintenance, and restoration management of the River Rupingazi area, reinforcing our commitment to catchment conservation and sustainable basin management. Bees may be small, but the ecosystems and livelihoods they sustain are enormous. Protecting pollinators means restoring rivers, strengthening biodiversity, and investing in climate resilience where it matters most — on the ground and within communities.

TARDA JOINS THE RUN FOR RAIN MOVEMENT TO ADVOCATE FOR WATER SECURITY AND CLIMATE RESILIENCE



On 31st May 2026 TARDA proudly joined environmental champions, development partners, community leaders, and citizens at the Run for Rain event held in Kitui County this past weekend, reaffirming its commitment to sustainable water resource management, environmental conservation, and climate resilience.

The event, organized by Dr. Isaac Kalua Green, Founder of the Green Africa Foundation, served as a powerful platform for raising awareness on the urgent need to protect natural ecosystems, strengthen climate adaptation efforts, and safeguard water resources for future generations. Authority's dedication to championing initiatives that inspire collective action towards a more sustainable future.

Representing TARDA, Mr. Eresmus Bundi successfully completed the demanding 10-kilometre race, demonstrating not only personal endurance and determination but also the Authority's dedication to championing initiatives that inspire collective action towards a more sustainable future.

In recognition of his outstanding achievement and participation, Mr. Bundi was awarded a Gold Medal, a testament to his commitment to the cause and his exemplary representation of the Authority. As climate variability continues to impact livelihoods, ecosystems, and water availability, events such as Run for Rain remind us that environmental stewardship is a shared responsibility. They provide an opportunity to mobilize communities, strengthen partnerships, and accelerate action towards sustainable solutions. At TARDA, our mandate extends beyond infrastructure and resource management. It encompasses the protection of the natural systems that sustain life, support livelihoods, and drive socio-economic development across the Tana and Athi River Basins. We commend the organizers for spearheading this important initiative and congratulate Mr. Eresmus Bundi for representing TARDA with distinction and embodying the spirit of resilience, commitment, and environmental responsibility.

Every step taken today is a stride towards a more water-secure, climate-resilient tomorrow.

STRENGTHENING CLIMATE RESILIENCE IN THE ATHI BASIN: TARDA PARTICIPATES IN LUKENYA UNIVERSITY-LED COMMUNITY RESTORATION INITIATIVE IN MAKUENI COUNTY



On 11th May 2026 TARDA joined Lukenya University in Mtito Andei, Kibwezi East, Makueni County, during a community engagement and empowerment programme aimed at strengthening environmental restoration and sustainable livelihoods at the grassroots level.

The initiative forms part of the ongoing 3-year strategic collaboration between TARDA and Lukenya University focused on climate resilience, community empowerment, and ecosystem restoration within the Athi Basin. Through the partnership, TARDA has supported the programme through the provision of 200,000 potting bags, 70kgs of assorted agroforestry seeds, restoration of the River Athi riparian corridor, and technical support to registered Community-Based Organizations (CBOs). In fulfillment of its resource mobilization commitment under the partnership, Lukenya University today issued cheques to 33 active CBOs to support tree nursery establishment and management across the region. The event culminated in a tree planting exercise at Ngwata Technical Training Institute, where TARDA provided ceremonial trees in support of landscape restoration and long-term environmental sustainability.

This partnership continues to demonstrate the critical role of collaborative action in advancing community-led conservation, climate adaptation, and integrated sustainable development.

CELEBRATING IMPACT IN ENVIRONMENTAL LEADERSHIP



TARDA proudly celebrates Ms. Rebecca Bor, a valued member of our team, following her recognition at the Independent Kenya Women Awards (IKWA). She was honoured among the Top 100 Most Impactful Women in Leadership, receiving the Excellence in Environmental Leadership & National Ecosystem Restoration Award at a vibrant 6th Gala & Summit held in Nairobi on 9th May 2026.

This recognition reflects more than a personal milestone — it speaks to sustained commitment, discipline, and real impact in environmental conservation and ecosystem restoration. Her work continues to align strongly with TARDA's mandate of sustainable resource management and resilient landscapes.

We are proud to see her contribution acknowledged at this level and even prouder to have her driving impact from within the TARDA team.

**Congratulations
Rebecca**

**Keep shaping outcomes
that matter!**

GROWING RIPARIAN RESILIENCE, ONE TREE AT A TIME



On 8th May 2026, staff from TARDA's Machakos Regional Office led a tree-growing initiative at the TARDA Machakos Conservation Centre weir riparian zone as part of ongoing efforts to strengthen environmental conservation and restore fragile ecosystems. The Conservation Centre, situated on 2.04 acres, continues to serve as an important space for conservation and ecological restoration, with the latest exercise expanding tree cover within the centre. A total of 329 assorted agroforestry trees were planted to support riparian restoration, biodiversity enhancement, climate resilience, and sustainable land management.

The initiative was further strengthened through participation by the Chairperson and members of the Iveti Community Forest Association (CFA), reflecting the importance of community partnerships in advancing environmental stewardship and landscape restoration. Every tree planted strengthens the resilience of tomorrow's ecosystems.

TARDA PARTICIPATES IN ADVANCED EARTH OBSERVATION TRAINING FOR WATER RESOURCE MONITORING



From 24th to 28th May 2026, the Tana and Athi Rivers Development Authority (TARDA) participated in the EO AFRICA R&D Facility face-to-face course, "From Satellites to Streamflow: Modern Tools for River Monitoring," held at the University of Dar es Salaam (UDSM), Tanzania. The training brought together experts, researchers, and practitioners from across the region to explore innovative Earth Observation (EO) applications for river monitoring, water resource management, and climate resilience.

Representing TARDA was Mr. Dennis Kiyeng, who joined fellow participants in examining cutting-edge satellite-based technologies and data-driven approaches that are transforming how water resources are monitored, analyzed, and managed.

As an institution mandated to spearhead integrated river basin development, TARDA recognizes the growing importance of Earth Observation technologies in strengthening decision-making, improving water resource planning, enhancing climate adaptation strategies, and supporting sustainable management of the Tana and Athi River Basins.

The Authority commends the EO AFRICA R&D Facility, the European Space Agency (ESA), trainers Roelof Rietbroek and Gabriel Parodi of the Faculty of Geo-Information Science and Earth Observation (ITC), University of Twente, as well as Prof. Joel Nobert and the University of Dar es Salaam for organizing and hosting this valuable programme. The knowledge and skills gained through such initiatives will contribute significantly to advancing innovative, data-driven solutions for water resource management and environmental stewardship across the region.

TARDA CONTRIBUTES TO DEVELOPMENT OF INTEGRATED ECOSYSTEM-BASED NATURAL RESOURCE MANAGEMENT POLICY



On 23rd March 2026 TARDA participated in stakeholder consultations on the development of the Integrated Ecosystem-Based Natural Resource Management Policy, organized by the Integrated Natural Resource Management Secretariat under the Executive Office of the President.

The engagement sessions, held in Sagana, Kirinyaga County, and Nanyuki, Laikipia County, brought together government agencies, conservation stakeholders, development partners, and community representatives to contribute to a policy framework aimed at strengthening sustainable natural resource management across Kenya.

Representing TARDA were Mr. Joses K. Mugambi, Ms. Lucy Ngahu, and Ms. Linet Gichohi, who actively participated in discussions and shared insights drawn from the Authority's extensive experience in river basin development, environmental conservation, and community-based natural resource management.

During the consultations, TARDA highlighted key policy considerations, including the need to strengthen support for beekeeping as a sustainable livelihood, enhance access to water for communities, increase financing mechanisms for conservation actors and community-based organizations, promote the conservation of indigenous and medicinal tree species, and improve compensation frameworks for communities affected by human-wildlife and environmental-related damages. TARDA also showcased its flagship apiculture initiative through an exhibition of TARDA Pure Honey, demonstrating the potential of sustainable natural resource-based enterprises in supporting livelihoods while promoting environmental conservation.

As a champion of integrated river basin management, TARDA remains committed to contributing to policy frameworks that advance ecosystem restoration, biodiversity conservation, climate resilience, and sustainable socio-economic development.

TARDA CHAMPIONS NATIONAL DRIVE FOR 15 BILLION TREES DURING MAKIMA DIVISION PLANTING EXERCISE



In a strong demonstration of environmental stewardship and partnership in action, TARDA took part in a tree planting initiative in Makima Division held on May 2nd 2026, aligning with the Presidential directive to grow 15 billion trees by 2032. TARDA is proud to have supported this initiative by allocating 2,500 assorted tree seedlings for planting across selected public institutions within the Division. In addition, TARDA staff led by Ms. Rebecca Bor actively participated in the planting exercise, reinforcing the Authority's commitment not just in policy, but on the ground.

This initiative goes beyond symbolism—it strengthens ecosystem restoration, enhances climate resilience, and supports long-term water catchment protection within the Tana Basin and beyond.

At TARDA, environmental conservation is not a side agenda—it is core business. Every seedling planted today is an investment in water security, food systems, and community resilience tomorrow.



TARDA REAFFIRMS COMMITMENT TO REGIONAL DEVELOPMENT AS EASTERN REGION LEADERSHIP TRANSITIONS



On 22nd May 2026 TARDA joined leaders and stakeholders in welcoming the newly appointed Eastern Region Commissioner, Mr. Jacob Ouma, during a leadership transition ceremony held in Embu County. The event marked the official handover by the outgoing Eastern Region Commissioner, Mr. Paul Rotich, whose tenure was characterized by close collaboration with national and regional institutions in advancing development initiatives across the region. Representing TARDA Managing Director Mr. Liban Roba, the TARDA Regional Coordinator for the Tana Basin, Mr. Joses K. Mugambi, conveyed the Authority's appreciation to Mr. Rotich for his steadfast support of TARDA's programmes and projects implemented across the Authority's vast area of jurisdiction.

TARDA also extended a warm welcome to Mr. Ouma and reaffirmed its commitment to working closely with his office in advancing sustainable development, environmental conservation, water resource management, food security, and climate resilience initiatives within the region. As part of the occasion, regional leaders participated in a tree-planting exercise at the Eastern Region Commissioner's Compound, underscoring the collective commitment to environmental stewardship and climate action. TARDA's tree seedling was planted by Mr. Mugambi on behalf of the Authority's Management. The ceremony concluded with a briefing by the outgoing Regional Commissioner, bringing together regional heads of government institutions and invited guests to reflect on ongoing development priorities and the way forward for the Eastern Region.

STRENGTHENING ACCOUNTABILITY THROUGH ASSET VERIFICATION AND CONSERVATION



On 26th May 2026 TARDA conducted an Assets Register and Verification Exercise within the Athi Basin Region as part of ongoing efforts to strengthen accountability, enhance operational efficiency, and maintain accurate and complete financial records in compliance with relevant standards. The exercise focused on:

- Reconciliation of the assets register against physical existence and asset status
- Comprehensive physical verification of assets
- Updating asset records within various jurisdictions
- Fresh registration of asset categories regardless of year of acquisition

The exercise concluded with a tree planting activity at the TARDA-Machakos Conservation Centre, reaffirming the Authority's commitment to sustainable environmental stewardship alongside sound institutional governance.

At TARDA, strong systems and environmental responsibility go hand in hand in driving sustainable development.

NATIONAL VALUES SENSITIZATION SECTION **SUSTAINABLE DEVELOPMENT**

The Brundtland Commission Report (1987), in *Our Common Future*, defines sustainable development as development that meets the needs of the present without compromising the ability of future generations to meet their own needs.

Similarly, Adams (2005) defines it as a dynamic process which enables all people to realize their potential and improve their quality of life in ways that simultaneously protect and enhance the earth's life support systems.

The Kenya Vision 2030 addresses sustainable development as social progress that recognizes the needs of all Kenyans by 2030 through effective protection of the environment, prudent use of natural resources and maintenance of high and stable levels of economic growth. The Kenyan Constitution 2010 provides that the State shall ensure the sustainable exploitation, utilization, management and conservation of the environment and natural resources and ensure equitable sharing of the accruing benefits.

Indicators of Sustainable Development in a country include but are not limited to:

- I. Reduced government borrowing and debts;***
- II. Reduced environmental pollution;***
- III. Increased forest cover;***
- IV. Reduced emission of ozone-depleting substances;***
- V. Enhanced protection of the endangered wildlife species;***
- VI. Reduced damage to designated and protected areas;***
- VII. Increased agricultural productivity;***
- VIII. Reduced industrial and commercial waste;***
- IX. Reduced impact disasters; and***
- X. Reduced costs of project maintenance.***

Some of the benefits accrued through Sustainable Development are:

- I. Fair and equitable distribution of resources***
- II. Access to clean and unpolluted environment;***
- III. Increased levels of harmony, peace and cohesion among communities***