









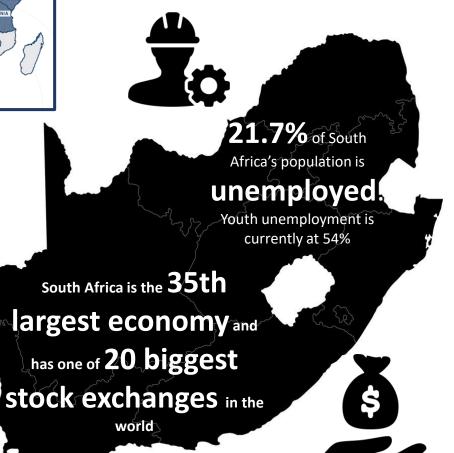
Water security is one of the biggest economic risks in South Africa today

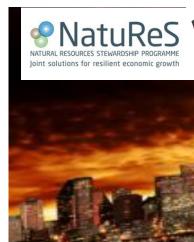




- 21.7% of South The Natural Stewardship Resource Programme (NatuRes) is an Africa's population is international initiative which combines global best practices with unemployed local know-how
 - The programme facilitates partnerships between the public sector, the private sector and civil society, promoting collective action to protect and manage natural resources and the services they provide to economic centres; securing livelihoods and fostering sustainable development
 - NatuReS operates in **five African countries**, including South Africa and is **funded by the BMZ** (the German Federal Ministry for Economic Cooperation and Development) and implemented by Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH ("GIZ")













Cities are the
economic
powerhouses of the
country but are most
heavily impacted by
natural resource
limitations



Special Economic
Zones provide
favourable
investment
environments and
create jobs but
require natural
resource security to
operate



Circular
Economy
returns waste to
the value chain



Partnerships are what drive the NatuReS approach



The Sustainable Development Goals are the global blueprint to realise a world worth living in for all. They address the interconnected challenges we face around poverty, inequality, climate, environmental degradation, prosperity, and peace and justice. The Centre for Cooperation with the Private Sector (CCPS) contributes towards these goals through, both evidence-based results as well as through the outcomes of the diverse and innovative range of projects we undertake.







Natural Resource Stewardship Programme (NatuReS)

The project combines global best practices with local know-how. The programme facilitates partnerships between the public- and private sector and civil society, promoting collective action to protect and manage natural resources and the services they provide to economic centres, while safeguarding livelihoods and fostering sustainable development.

- NatuReS ******************* enables three NatuReS is working with the Algoa Water Fund to support upstream land rehabilitation management NatuReS is supporting a coastal fishing town in the sustainable
 - sector partners in more effective collaboration on natural resource

13 555

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- NatuReS chairs the Strategic Water Partners Network (SWPN) Sanitation Working Group
- NatuReS supports municipalities and the private sector to become more resilient to climate-related disasters



- NatuReS aims to influence and institutionalise 4 natural resource stewardship policies/practices
- NatuReS aims to implement 3 waste reduction interventions
- NatuReS mainstreams Water Stewardship standards and principles into business operations and Economic Zones

growth of the fisheries sector

- NatuReS promotes the Alliance for Water Stewardship in corporate sustainability reporting

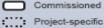
 NatuReS supports active citizenry and natural resource stewardship education in schools

- NatuReS promotes improved WASH facilities through our SWPN SANI Working Group support
- u Our 3 NatuReS partnerships include local community representatives
 - NatuReS is improving water efficiency through Non-Revenue Water reductions and dam operation management support
 - NatuReS catalyses public and private sector collaboration in water resource management and catchment stewardship

- NatuReS advises municipalities on water and natural resource risk resilience through our Water Resilient Cities partnership
 - NatuReS is supporting ecotourism as a natural resource dependant economic sector with high potential for job creation

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- NatuReS supports new investments made and safeguards existing investments in 3 key partnerships
- NatuReS works to create jobs, while safeguarding up to 529 042 existing jobs





Our work in uMhlathuze in 2019: an overview





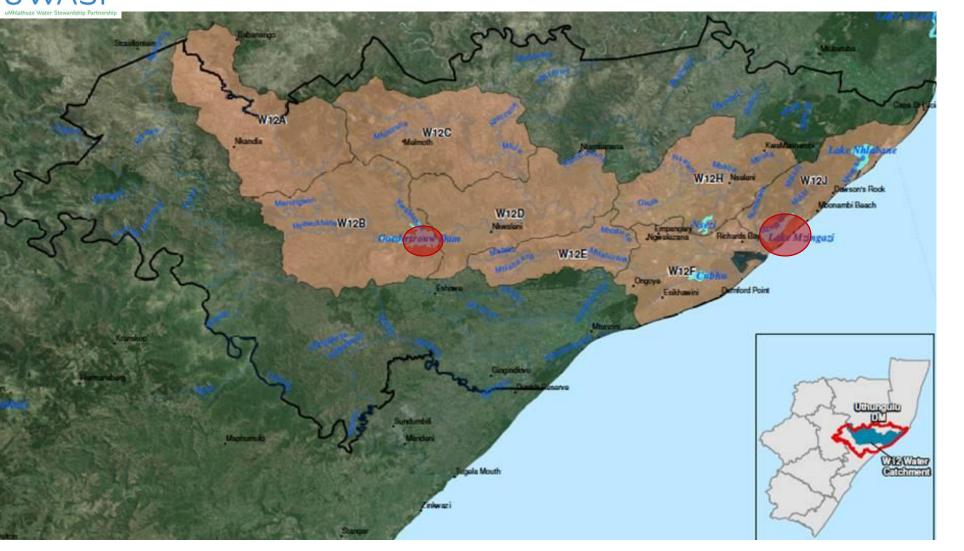
Non-Revenue Water support, using drone technology

Collective dam management, harnessing expert knowledge and a digital platform

Circular economy and industrial symbiosis

Citizen and youth-based water and waste management

Business and natural resource management training for small-scale farmers





Collaborative monitoring and management of dam water releases

- Harness knowledge and expertise of experienced dam manager: embed within catchment
- Simplify the dam release tool to encourage more widespread use amongst stakeholders and improve collective decision making support
- Digitise the tool to enable more effective collaboration and use
- Present the tool to DWS national dam operators

Norman Ward





www.uwasp.pisilabs.com

Circular economy within UWASP











Mondi's waste

lime

Mondi's waste paper fibre



Saves Mondi on waste disposal costs and improves water efficiency



Joint solutions for resilient economic growth

NatuReS and the
Circular Economy

Provided free to farmers as affordable mulch and fertilizer









Citizen and youth-based water and waste management

- An integrated schools programme that builds on and connects the best of existing schools' initiatives in South Africa
- A water efficiency programme within partners' properties (e.g. water audits and responsive actions within schools, universities, government buildings and companies)
- A socio-technical water/ catchment management programme beyond partners' properties (e.g. using innovations such as communities and youth support by cell phone applications to report on and address water/ catchment issues)





Business and natural resource management training for small-scale farmers

- Business development to equip farmers with optimal production parameters
- Natural resources management and approaches to more efficient farming
- Water re-use and management in the agricultural sector
- Gender: women in farming







The way forward in 2020

- Increase support for CoU in Non-Revenue Water and WDCM (linked to the active citizenry project and the NW&SMP)
- Embed the dam management platform locally and scale it nationally
- Identify and support Industrial Symbiosis and Circular Economy initiatives within the catchment (develoPPP.de possibilities)
- Improve resource efficiency within the RBIDZ through our work with the DTI and the development of SOPs for water stewardship
- Continue support within the agricultural sector on natural resource management and jobs/investment safeguarding(TBD)
- Assess the economic value of the uMhlathuze catchment