

# 2020 WATER JPI WORKSHOP ON INTERNATIONAL COOPERATION



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# OVERVIEW

- South African Context
- International STI Cooperation modalities
- Mechanisms



# SOUTH AFRICAN STRATEGIC CONTEXT



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## National Development Plan – 2030

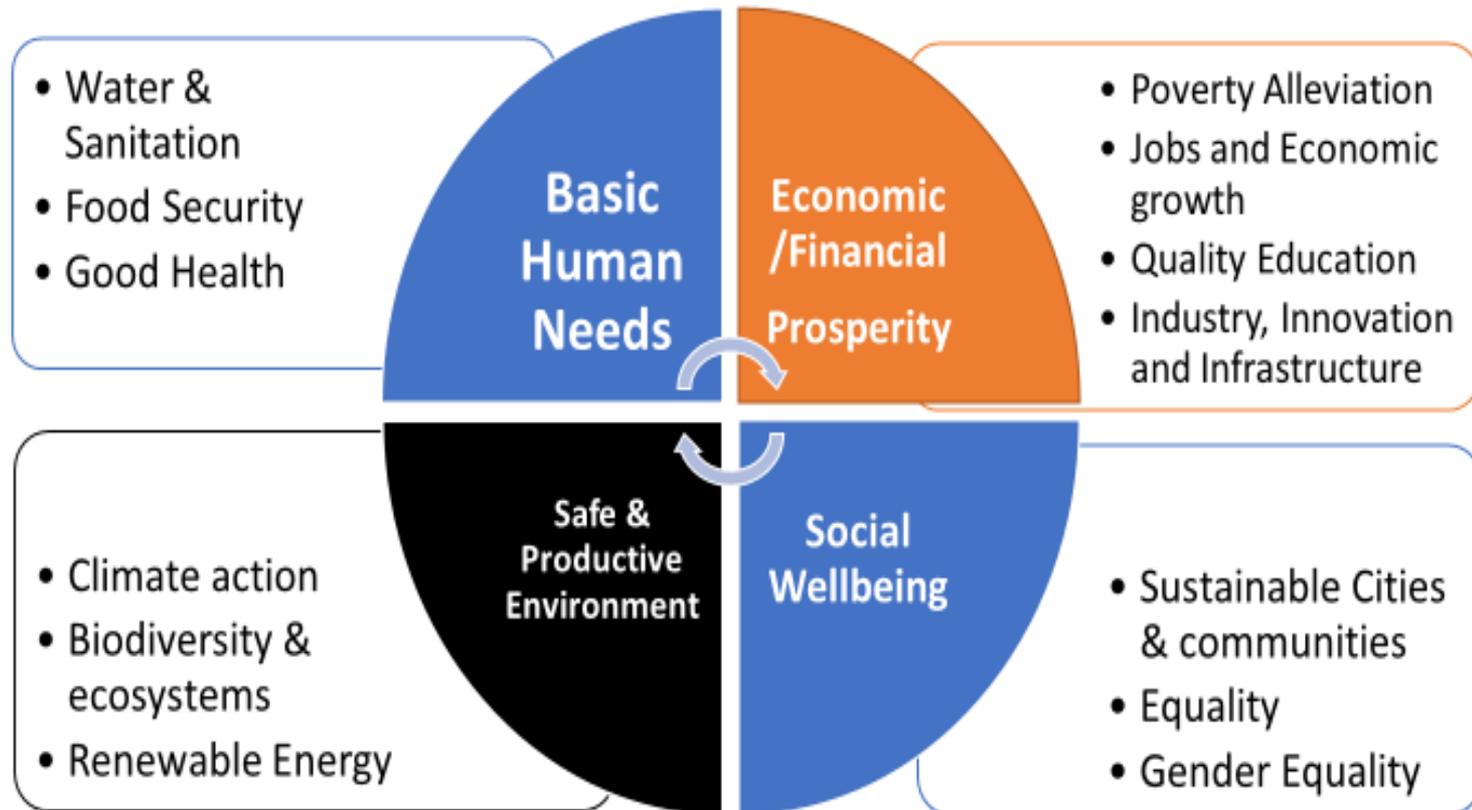
- The National Development Plan Vision 2030 is South Africa's long-term planning framework - plan for the country to address unemployment; eliminate poverty and reduce inequality by 2030
- The NDP envisages STI playing an important role in achieving its vision for 2030
- The aim of the NDP is to address a set of core outcomes covering the following focus areas:
  - education, health, safety and security, economic growth and employment, skills development,
  - infrastructure, rural development, human settlements, local government, environment,
  - international relations, public sector, social protection, nation-building and social cohesion
- science, technology and innovation are key enablers that cut across all these focus areas



## Policy on Science, Technology and innovation

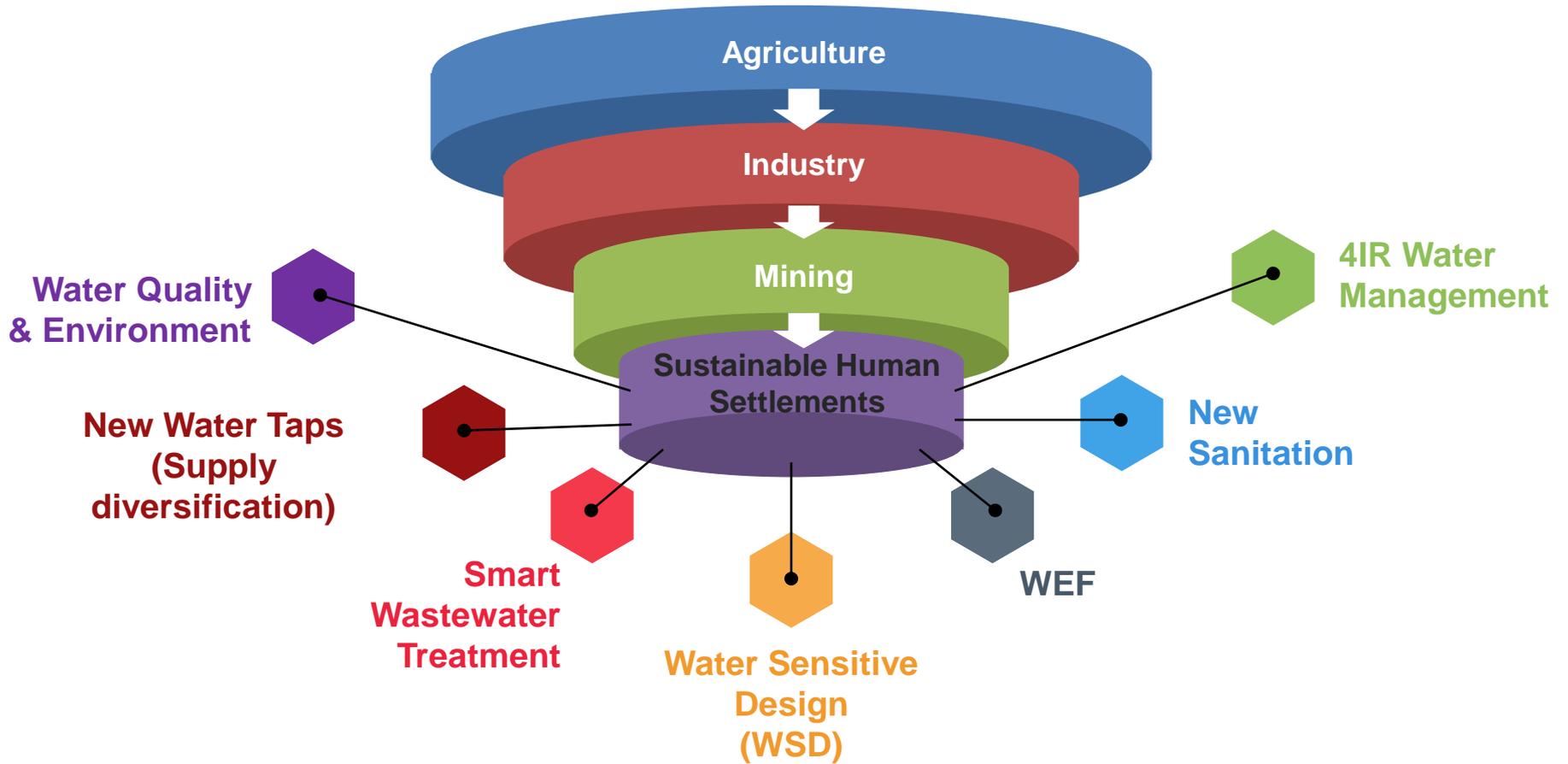
- Since 1996 White Paper- the world has changed - rapidly in the future (e.g. the impact of the Next Industrial Revolution, AI, growing youth bulge in population, and urbanisation)
- South Africa has released a new White Paper on Science and Technology in 2019. Sets out new policy directions for STI, which emphasizes inclusion, transformation, and partnerships
- Expansion and transformation of human capabilities and of the research enterprise; Enabling innovation; Funding; **Expanded internationalisation**
- Governance; M&E and learning
- **Water RDI ROadmap**

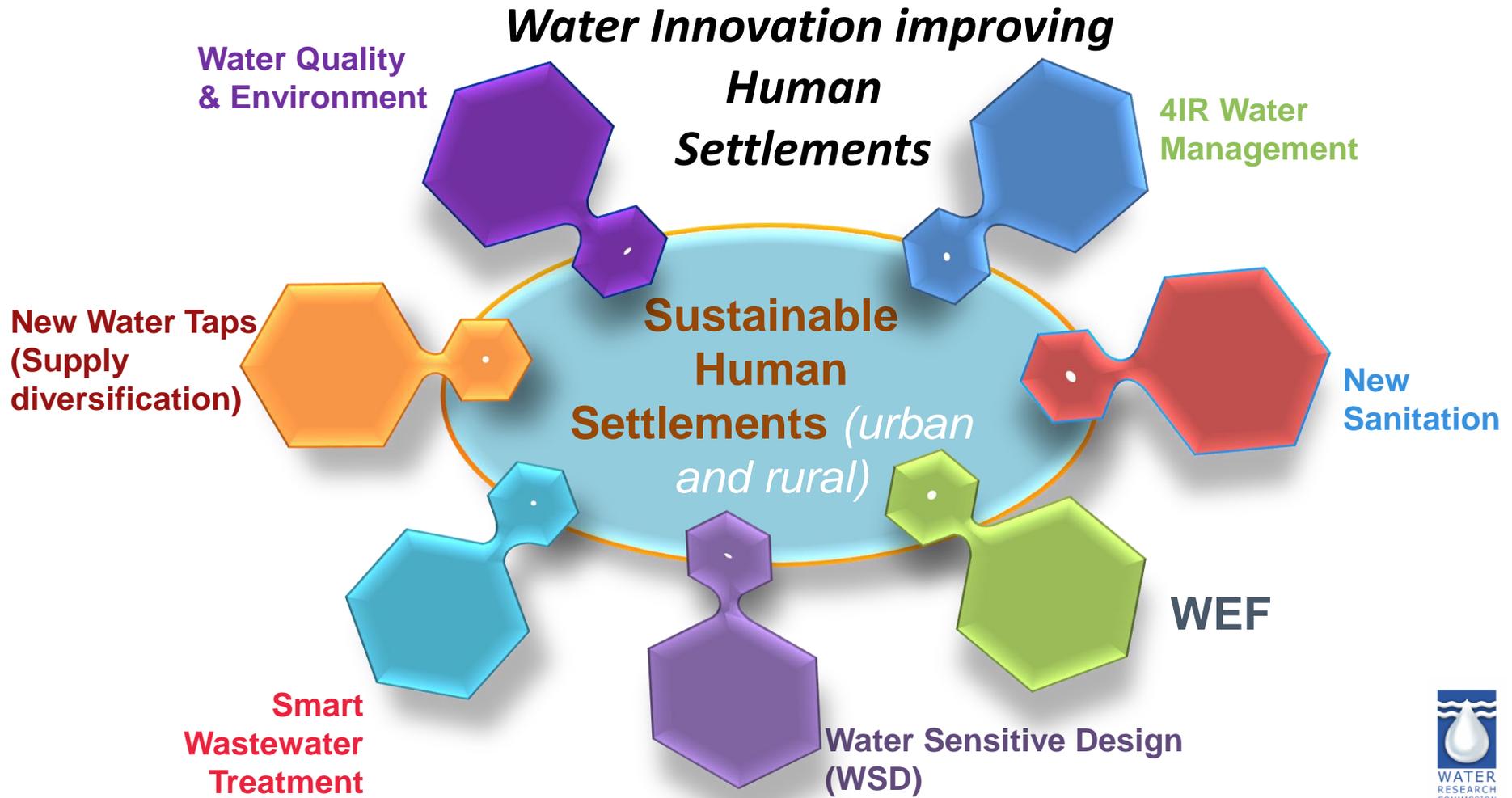
## Addressing the SDGs



## Major Impact Areas







# INTERNATIONAL COOPERATION



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## DSI INTERNATIONAL AGENDA

- Develop partnerships to address global and national challenges
  - South African – areas of excellence to foster cooperation
  - Leverage international resources to complement national investment (
    - corporate R&D investments
    - Philanthropic partnerships
    - Co-funding with partners
  - Access international experience / expertise build SA capacities, join forces address global challenges
    - Post-graduate training SA abroad
    - More focused, deeper partnerships
    - Diversify portfolio of partners (geographic, public/private)
- 



# FRAMEWORK FOR SOUTH AFRICA'S S&T COOPERATION WITH EUROPE

- SA – EU S&T Cooperation Agreement
- This is the first agreement that the EU and South Africa signed since democracy in 1994. The Science and Technology Cooperation Agreement was concluded in 1996 and entered into force in November 1997
- ESASTAP 2020 – platform to promote cooperation between Europe & Africa
- Cooperation agreement with the JRC & DSI as well as SANSA
- Other DGs – DG ENVIRO, DEVCO, DEFIS,...





# FRAMEWORK FOR SOUTH AFRICA'S S&T COOPERATION WITH EUROPE

- SA participates in various EU H2020 programs:
  - Co-funds (bioeconomy, ocean, material....)
  - JPI (Water, AMR)
  - European & Developing Countries Clinical Trials Partnership
  - AU-EU projects (Climate Change & Renewable energy; food & nutrition security and sustainable agriculture, ...)





# FRAMEWORK FOR SOUTH AFRICA'S S&T COOPERATION WITH EUROPE in STI

- Bilateral STI Agreements Member States
- SA – EU Strategic Partnership – strong focus on S&T at annual Summits
- Support Joint Africa-EU Strategy
- SA is active in Eureka and Eurostars (programs that facilitate innovation between SMEs in Europe and partners)





# INTERNATIONAL COOPERATION

- Advance African agenda for science, technology and innovation
  - Agenda 2063, SADC, “trilateral”
  - Co-funded bilateral partnerships
  - Support AU Science, Technology & innovation Strategy for Africa (STISA); SADC; Grand Challenge Africa
  - AU Agenda 2063
- Other Multilateral Mechanisms (SA participation, BELMONT, etc)



# MECHANISMS



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# POSSIBLE MECHANISMS

- Water JPI
  - Joint Calls
  - setting Networks of Researchers,
  - more strategic activities (identification of Research & Development topics in the Water area).
- nominating or recommending SA experts to joint Communities of Practice/Network
- Horizon Europe Opportunities - Water4All?
- Focus on innovation within the water sector
- Human capital development in the water sector – potential for collaboration under instruments such as MSCA and Erasmus, etc
- Knowledge hubs
- Science for policy advice



# WATER JPI INTERNATIONAL STRATEGY



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- Who? International partners – focus ?
  - Combination of strategic partners, international networks/initiatives
  - Private sector, multilateral, Foundations?
- Value add
  - Synergies, leverage of funding
- Ownership of the strategy
  - engagement
- Co-funding and implementation



- Circular economy
- Green deal (EU) – possible links within the broader AU-EU agenda
  - SA is the current chair of the AU
  - AU-EU Summit is planned for October 2020
- Health Pandemic
- COVID-19 (issues)
  - Water-Food-Health nexus
  - Innovation in the water sector
  - Data and analysis





**THANK YOU**





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