

SA participation in FP7

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Context

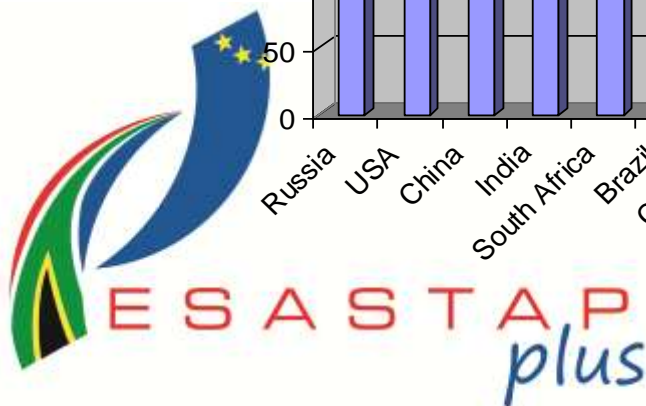
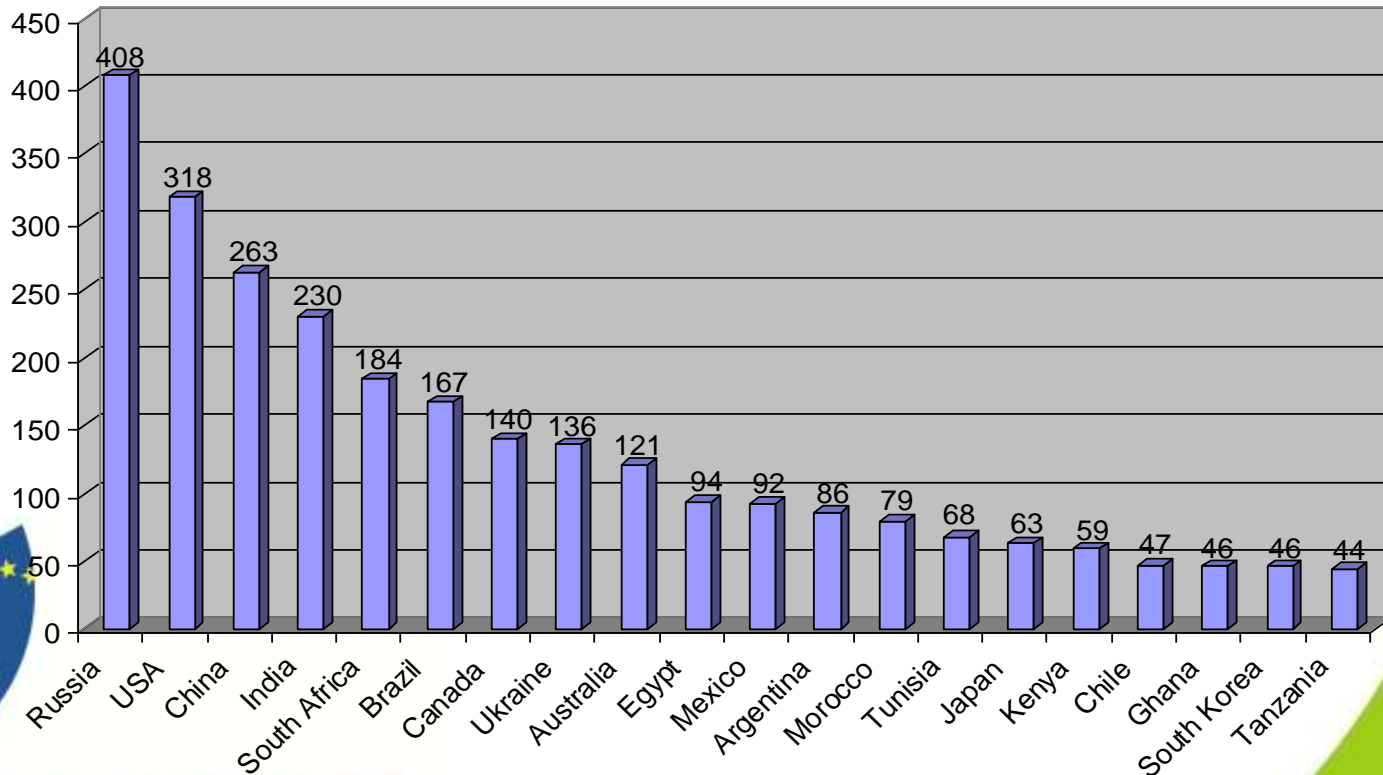
- General FP7 participation stats
- Thematic participation
- MCA participation
- Leading SA institutions
- Frequent European and African partners
- Examples of project addressing issues of societal challenges



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SA participation in FP7

No of applications: 997 (27.2 % vs 23.4 % by all 3rd countries). 5th amongst 3rd countries (Russia, USA, China and India)



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SA participation in FP7...

- Success rate: 271 applicants (27.2 % vs 4.13 % of 3rd countries)
- Total: Cooperation=165/132, Capacities=32/26, People=4, Ideas 3/3
Coordination: 3 projects
- SME participation: 115 applications with 38 (24.52 %) successful
- Total investment: R385 M



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Thematic representation

- Health: 39 participations / 30 projects
- FAB: 33 participations / 30 projects
- Environment: 33 participations / 25 projects
- ICT: 16 participations / 15 projects
- Space: 14 participations / 9 projects
- Transport: 12 participations / 7 projects
- SSH: 10 participations / 9 projects
- others: 8 participations / 7 project



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Leading SA institutions

- CSIR 34 participations
 - University of Cape Town 22 participations
 - DST 18 participations
 - University of Kwazulu-Natal 14 participations
 - Stellenbosh University 12 participations
-
- Total for Top 5: 100 participations (49%) of the 165 total
 - cooperation participations



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Frequent European partners

• United Kingdom	240 partners in 139 projects
• France	203 partners in 111 projects
• Germany	195 partners in 108 projects
• Italy	159 partners in 102 projects
• Belgium	137 partners in 83 projects
• The Netherlands	136 partners in 94 projects
• Spain	133 partners in 85 projects
• Sweden	77 partners in 63 projects
• Switzerland	69 partners in 57 projects
• Norway	53 partners in 37 projects



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Frequent African partners

- Kenya 37 partners in 31 projects
- Ghana 25 partners in 21 projects
- Senegal 25 partners in 19 projects
- Egypt & Uganda 22 partners in 21 projects
- Morocco 20 partners in 18 projects
- Tanzania 18 partners in 17 projects
- Tunisia 16 partners in 16 projects
- Nigeria 15 partners in 13 projects
- Ethiopia 14 partners in 9 projects
- Mozambique 12 partners in 11 projects
- Botswana 9 partners in 9 projects
- Rwanda 9 partners in 7 projects



Most frequent partners

- Brazil partners 49
- India partners 46
- Greece partners 45
- Denmark & USA partners 43
- Portugal partners 42
- Austria partners 40
- China partners 39
- Kenya partners 37
- Russia partners 29
- Finland partners 27



SA MCA participation

- Increased SA participation in some MC actions and more interest on IRSES
- 33/173 (19% success rate), from 40 SA institutions (35 IRSES, 2 IAAP, 2 ITN and 1 IOF)
- € 2.4 M investment
- 3 researchers coming to SA institutions (2 ITNs and 1 IOF)
 - IAAP = 18.18%
 - IIF = 0%
 - IOF = 4.76%
 - IRSES = 33.33% (10th 3rd country and 19 overall)
 - ITN = 4.55%



Examples of projects addressing issues of societal challenges

- Marine Recourses/ blue growth related projects addressing societal challenges:
- **Increasing Value and Flow in the Marine Biodiscovery Pipeline (PHARMASEA)**
- Duration: 2012-10-01 to 2016-09-30
- Partners: SA institutions (UCT)



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Marine Recourses/ blue growth related projects addressing societal challenges

- **Marine ecosystem evolution in a changing environment (MEECE)**
- Duration: 2008-09-01 to 2013-02-28
- SA Partners: UCT

- **Multi-level assessment of ocean-climate dynamics: A gateway to interdisciplinary training and analysis (GATEWAYS)**
- Duration: 2009-12-01 to 2013-11-30
- SA Partners: UCT



Marine Recourses/ blue growth related projects addressing societal challenges

- **Development of global plankton data base and model system for eco-climate early warning (GREENSEAS)**
- **Duration:** 2011-01-01 to 2013-12-31
- **SA Partners:** CSIR and UCT



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Water related projects addressing societal challenges

- **Capture of evaporated water with novel membranes (CAPWA)**
- Duration: 2010-09-01 to 2013-08-31
- SA Partners: SAPPI LTD

- **Nano-structured TiON Photo-Catalytic Membranes for Water Treatment (NATIOMEM)**
- Duration: 2010-07-01 to 2013-06-30
- SA Partners: Umgeni Water



Water related projects addressing societal challenges

- **Spatial earth observation monitoring for planning and water allocation in the international Incomati Basin (WATPLAN)**
- Duration: 2011-02-01 to 2013-07-31
- SA Partners: GEOTERRA IMAGE and UKZN

- **A collaborative project aimed at pre-validation of a GMES Global Water Scarcity Information Service (GLOWASIS)**
- Duration: 2011-01-01 to 2013-03-31
- SA Partners: UKZN



Water related projects addressing societal challenges

- **Africa at a meso-scale: Adaptive and integrated tools and strategies for natural resources management (AFRONAISON)**
- Duration: 2011-03-01 to 2014-02-28
- SA Partners: Institute for Natural Resources Association and UKZN



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Competitive low-carbon Energy related projects addressing societal challenges

- **Optimisation of CO2 Capture Technology Allowing Verification and Implementation at Utility Scale (OCTAVIUS)**
- Duration: 2012-03-01 to 2017-02-28
- SA Partners: ESKOM and ECOMETRIX AFRICA LTD

- **Sweet Sorghum : an alternative energy crop (SWEETFUEL)**
- Duration: 2009-01-01 to 2013-12-3
- SA Partners: ARC



Sustainable food security related projects addressing societal challenges

- **AN Integration of Mitigation and Adaptation options for sustainable Livestock production under climate CHANGE (ANIMAL CHANGE)**
 - Duration: 2011-03-01 to 2015-02-28
 - SA Partners: University of Pretoria
- **Seed health: development of seed treatment methods, evidence for seed transmission and assessment of seed health (TESTA)**
 - Duration: 2012-10-01 to 2016-01-31
 - SA Partners: University of Pretoria



Sustainable food security related projects addressing societal challenges

- **Integrated approach for increasing breeding efficiency in fruit tree crops (FRUIT BREEDOMICS)**
- Duration: 2011-03-01 to 2015-08-31
- SA Partners: ARC

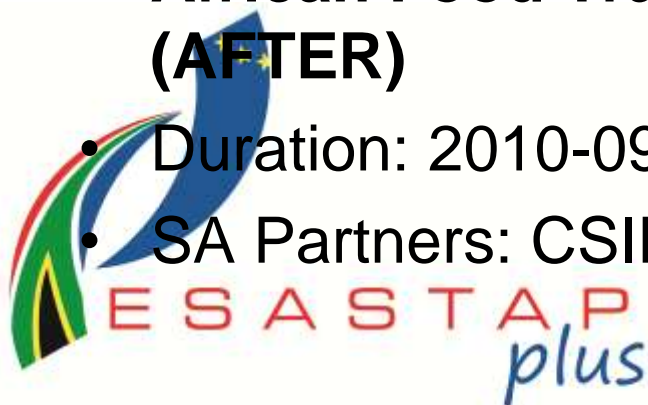
- **Sustainable Nutrition Research for Africa in the Years to come (SUNRAY)**
- Duration: 2011-01-01 to 2012-12-31
- SA Partners: North West University



Sustainable food security related projects addressing societal challenges

- **Impact of climate change and globalisation on safety of fresh produce governing a supply chain of uncompromised food sovereignty (VEGI-I-TRADE)**
- Duration: 2010-05-01 to 2014-04-30
- SA Partners: University of Pretoria and CSIR

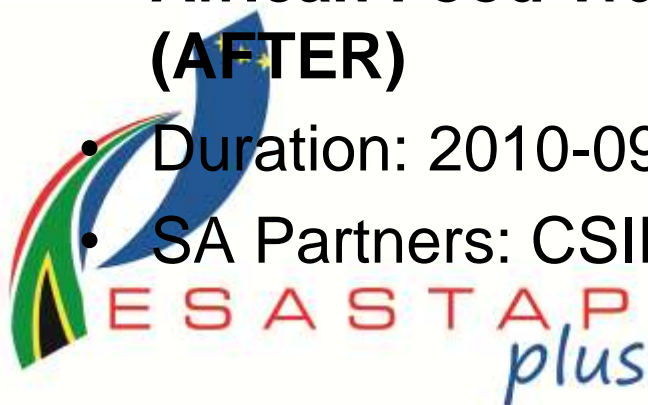
- **African Food Tradition Revisited by Research (AFTER)**
- Duration: 2010-09-01 to 2014-05-31
- SA Partners: CSIR



Sustainable food security related projects addressing societal challenges

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- SA Partners: CSIR



Sustainable food security related projects addressing societal challenges

- **PLANT food supplements: Levels of Intake, Benefit and Risk Assessment (PLANTLIBRA)**
- Duration: 2010-06-01 to 2014-05-31
- SA Partners: CSIR

- **Novel staple food-based strategies to improve micronutrient status for better health and development in sub-Saharan Africa (INSTAPA)**
- Duration: 2008-06-01 to 2013-11-30
- SA Partners: UKZN



Sustainable food security related projects addressing societal challenges

- **European Union and African Union cooperative research to increase Food production in irrigated farming systems in Africa/ EAU4Food (EUAFOOD)**
- Duration: 2011/07/01 to 2015/06/30
- SA Partners: CSIR and SU

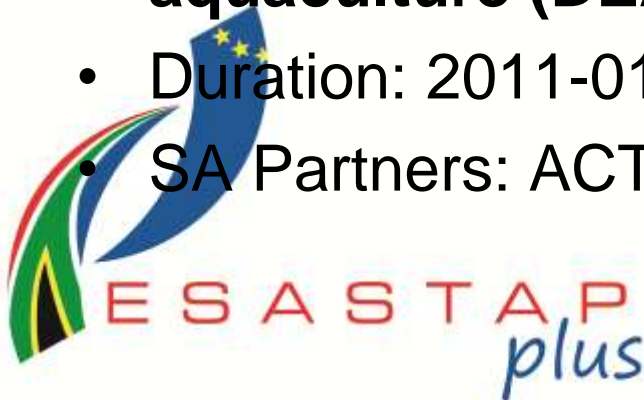


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Waste related projects addressing societal challenges

- **INTEGRATED WASTE MANAGEMENT IN WESTERN AFRICA (IWWA)**
- Duration: 2010-06-01 to 2012-05-31
- SA Partners: INFLUENTIAL INPUTS CC

- **The development of a deammonification treatment to remove nitrogen from recirculated water used in aquaculture (DEAMMRECIRC)**
- Duration: 2011-01-01 to 2012-12-31
- SA Partners: ACT OF GRACE 128



Thank you!

For more information:

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