

The European Union's Funding Programmes



Overview of Presentation

- Importance of international collaborations
- European Union's Framework Programmes
 - Seventh Framework Programme (FP7)
- European Cooperation in Science and Technology (COST) Programme
- African Caribbean and Pacific (ACP) Science and Technology Programme
- Erasmus Mundus
- European and Developing Countries Clinical Trials Partnership (EDCTP)
- DST support to SA participants in EU funding programmes



Drivers for South Africa's International S&T Cooperation

- Human Resource Development
 - Retention and attraction (Diaspora)
- Maximize return on national investment
 - Leverage foreign funding
- Share experience and expertise
 - SA performs 0.5% of global R&D - need to connect other 99.5%
- Policy benchmarking / best practices



European Union's Seventh Framework Programme

- EU's main instrument for funding R&D started 1984
- FP4-FP6 : 4 years (R150 Million investment in SA projects)
- FP7
 - 7 years (50,5 billion EURO from 2007-2013)
 - Already SA investment of R250 000 000.00 in ± 160 projects
 - Preferred partners:
 - European: UK, France, Germany, Italy, Belgium, Netherlands, Spain, Sweden, Switzerland and Norway
 - ACP: Kenya, Ghana, Uganda, Senegal, Tanzania, Ethiopia and Nigeria



Structure of FP7

Four Specific Programmes

- **Cooperation:** Collaborative research, research networks, coordination research programmes and support actions
- **Ideas:** Frontier research, researcher driven
- **People:** Human capital: training & mobility
- **Capacities:** Research infrastructures, SMEs, Science and Society and Horizontal international cooperation actions



FP7 participation

- Implementation through defined calls for proposals
- European partners are needed for participation
- Need to register the Participant Identity Code (PIC) and appoint a Legal Entity Appointed Representative (LEAR)
- Full electronic submission (EPSS)
- Independent experts for evaluation and monitoring (<https://cordis.europa.eu/emmp7/index.cfm?fuseaction=wel.welcome>)
- Guidance for IP in consortium agreements (<https://cordis.europa.eu/ipr-helpdesk/en/>)



FP7 Thematic Areas

- 1) Health
- 2) Food, agriculture and biotechnology
- 3) Information and communication technologies
- 4) Nanosciences, nanotechnologies, materials and new production technologies
- 5) Energy
- 6) Environment (including climate change)
- 7) Transport (including aeronautics)
- 8) Socio-economic sciences and the humanities
- 9) Space and
- 10) Security



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SA participation in FP7

- Priority instrument for internationalisation of South African S&T
- FP4-FP6: close to 250 participations
 - Dominated so-called INCO activity
- FP7: 203 participations in 64 projects
 - Direct EC investment more than €25 million
 - Rank only behind USA, Russia, China and India



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Analysis South African FP7 participation

- Most successful areas
 - Health; environment; bio-economy
- Important progress:
 - ICT, aeronautics, transport, space, social sciences / humanities, nuclear, researcher mobility
- Challenge:
 - Energy, materials and production technologies
 - Relatively low industry / SME participation



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Benefits from South Africa's Framework Programme participation

- Not only funding – long-term strategic relations
- Meaningful involvement knowledge generation builds capacity
- Enrich and complement bilateral cooperation
- R&D cooperation addressing global challenges
- Creates other cooperation opportunities



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EUROPEAN COOPERATION IN SCIENCE AND TECHNOLOGY (COST)



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COST PROGRAMME

- European Cooperation in Science and Technology (COST) started in the 80s
- "Bottom-up" approach
- Focus on multidisciplinary cooperation
- Promote early stage researcher
- Coordination through cooperation in networks
- Complements FP



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COST DOMAINS

1. Biomedicine and Molecular Biosciences (BMBS)
2. Chemistry and Molecular Sciences & Technologies (CMST)
3. Earth System Science & Environmental Management (ESSEM)
4. Food & Agriculture (FA)
5. Forests, their Products and Services (FPS)
6. Individuals, Society, Culture & Health (ISCH)
7. Information & Communication Technologies (ICT)
8. Materials, Physical & Nanosciences (MPNS)
9. Transport & Urban Development (TUD)



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SA-COST Reciprocal Agreement

- South Africa's Department of Science and Technology (DST) signed a Reciprocal Agreement with the European Cooperation in Science and Technology (COST) office in June 2009.
- Aims to respectively fund SA and EU researchers undertaking short-term scientific missions to Europe and SA, related to SA's participation in COST actions
- DST has designated the European South African Science and Technology Advancement Programme (ESASTAP) to implement the Agreement.



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How to participate in an Action from South Africa?

- Get in touch with the Action Chair
- Agree on the mutual benefit of your participation
- The Action Chair starts a formal procedure to get your institution's participation approved
- Contact ESASTAP in the meanwhile about your COST application
- Travel to Europe and establish scientifically productive and trustful collaborations



20 SA participations in about all actions

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ACP S&T PROGRAMME



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ACP S&T Programme

- Aimed at building capacity in ACP regions and Europe by supporting ACP countries in formulating and implementation S&T policies that can lead to sustainable development and poverty reduction
- CB at three levels:
 - Institutional, administrative and policy making
 - Academic research and technology
 - Business and civil society
- 1st call in 2009
- Project size: € 350 000 to € 1 million



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ACP S&T PROGRAMME..

- **Types of projects funded:**
 - Environmental research activities
 - Quality health care
 - agriculture and agro-industry
 - Transport
 - Sustainable trade
 - Energy

SA participation:

- 11 projects
- Total project cost ±10 Million Euro
- Total participation ± 8 Million Euro



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Erasmus Mundus

- Co-operation and mobility Programme in the field of higher education
- Contributes to the development of human resources and the international cooperation capacity of higher education institutions in third countries
- Joint MSc and PhD programmes and short scholarships
- Duration (2008-2013)



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Institutional support for South African Framework Programme participation

European South African Science and Technology Advancement Programme (ESASTAP)

- Dedicated platform for promoting and supporting SA participation in the EU funding programmes
- Local and international information and training sessions
- ESASTAP from 2005-2007
- ESASTAP 2 from 2008-2012
 - Closing event and awards (28 September 2011, 17:00-20:00)
 - Deadline for project registration is 15 August 2011
 - 3 categories (capacity development, innovation and lifetime)
 - 1st prize R30 000 and 2nd prize R20 000.00



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Institutional support for South African Framework Programme participation

- Network of National Contact Points
 - For all themes, mobility, legal and finance and SME
- National funding instruments:
 - FP7 (Seed and co-investment)
 - COST seed funding
 - ACP co-investment



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Thank you!

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