

France-South Africa S&T bilateral partnership



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A dynamic research collaboration

- 512 cosigned articles in 2012 (+20% per annum)
- Covers all fields of science
- >100 european projects in the frame of FP7
- Examples of programs in SA
 - F’SATI (since 1998), a F-SA institute (HE and research). Electronics, Telecommunication, Enabled environment, satellite engineering. TUT, CPUT, ESIEE, USQV, U-Paris Est.
 - ICEMASA Laboratory (since 2011). Oceanography (UCT, IRD, ...)
 - Paleontology. LIA-CNRS at Ditsong museum.
 - IFAS. French institute in SA. A platform in JhB for Human sciences (history, archeology, urban studies,...)
 - Agriculture for development. CIRAD @ UP
 - PROTEA. Joint research projects.



Capacity Building Programs

- F'SATI.
 - 200 students, mainly at Master and PhD level
 - University staff training
 - Strong link to industry. 8 spin-off companies
- F'SAGRI.
 - F'SATI's younger brother in the field of agriculture. In construction with DST, ARC, DAFF and industry.
- Vocational training
 - F'SASEC. VUT/Schneider Electric/French Ministry of Education partnership for training artisans and technicians in the field of electricity and energy management.
 - PLMCC. CPUT/Dassault Systèmes/MEN partnership for training higher technicians, engineers, students and academics to 3D simulation.
- Support to summer schools, conferences and student mobility



Public Outreach and Science Education

- France-South Africa seasons 2012-2013
 - Highlighting cooperation (workshops and conferences, French Days in SA universities)
 - High audience exhibitions (Archeology in Toulouse and Origins centre, Chemistry at Sci-Bono)
- Exhibitions and events
 - Sci Fest,
 - Robots and rockets competition
- « La main à la pâte » - ASSAF/French academy of science cooperation
 - A hands-on science teaching method
 - Pilote phase 2012-2014 in ten schools in Pretoria



Future Directions

- Increase links to industry/economic development
 - Extend partnerships with industry to other fields: agriculture, rail, energy, space,...
 - Develop partnership on innovation: institution building and project development

- Increase student mobility
 - Sharp contrast with dynamism of research partnerships,
 - Sharp contrast with international trends
 - Decisive role of EU and SA government

